QUADRILATERO Marche Umbria S.p.A.

ASSE VIARIO MARCHE – UMBRIA E QUADRILATERO DI PENETRAZIONE INTERNA MAXI LOTTO 2

LAVORI DI COMPLETAMENTO DELLA DIRETTRICE PERUGIA ANCONA:
SS. 318 DI "VALFABBRICA". TRATTO PIANELLO – VALFABBRICA
SS. 76 "VAL D'ESINO". TRATTI FOSSATO VICO – CANCELLI E ALBACINA – SERRA SAN QUIRICO
"PEDEMONTANA DELLE MARCHE", TRATTO FABRIANO – MUCCIA – SFERCIA

PERIZIA DI VARIANTE

CONTRAENTE GENERALE	IL RESPONSABILE DEL CONTRAENTE GENERALE
DIRPA 2 s.c.a r.l.	GIACOMO ZANCHINI 2023.04.12 14:21:58
PROGETTAZIONE Partecipazioni Italia S.p.A. IL PROGETTISTA Dott. Ing. Salvatore Lieto Ordine degli Ingegneri Prov. di Mantova n.1147 SALVATORE LIETO 12.04.2023 15:29:18 GMT+01:00 Il Geologo IL GEOLOGO 2023.04.13 09:19:23 Babbini Amedeo Geol. Amedeo Babbini Ordine dei Geologi Regione Toscana n.1032	ASSISTENZA ALLA PROGETTAZIONE SGS IL PROGETTISTA Ing. Valter Capata

VISTO IL RESPONSABILE DEL PROCEDIMENTO	IL COORDINATORE DELLA SICUREZZA IN FASE DI ESECUZIONE	IL DIRETTORE DEI LAVORI
Ing. Iginio Farotti	Ing. Vincenzo Pardo	Ing. Peppino Marascio

2.1.3 PEDEMONTANA DELLE MARCHE
3° stralcio funzionale: Castelraimondo nord – Castelraimondo sud
4° stralcio funzionale: Castelraimondo sud – innesto S.S. 77 a Muccia

OPERE D'ARTE MINORI
Paratia di controripa in SX da km 9+585 a 9+684
Relazione tecnica e di calcolo

SCALA:

DATA:
Luglio 2022

Codice Unico di Progetto (CUP) F12C03000050021 (Assegnato CIPE 20.04.2015)

Codice Elaborato:	Opera	Tratto	Settore	CEE	WBS	Id. doc.	N. prog.	Rev.
	L0703	213	E	16	MU0032	REL	01	D

REV.	DATA	DESCRIZIONE	Redatto		Controllato	Approvato
A	Settembre 2020	Emissione a seguito istruttoria ANAS	Progin	M. Tartaglia	S.Lieto	A.Grimaldi
B	Maggio 2021	Emissione PED	SGS	C.Agostini	V. Capata	S.Lieto
C	Gennaio 2022	Emissone a seguito istruttoria ANAS del 21.12.2021	SGS	C.Agostini	V. Capata	S.Lieto

	D	Luglio 2022	Emissione a seguito istruttoria ANAS del 18.07.2022	SGS	C.Agostini	V.Capata	S.Lieto	

I N D I C E

1. GENERALITÀ

Il presente documento costituisce la relazione di calcolo del Progetto Esecutivo di Dettaglio (PED) delle opere geotecniche di contenimento previste nell'ambito dei lavori di completamento degli stralci funzionale 3 e 4 del tratto della Pedemontana delle Marche.

La redazione del Progetto Esecutivo di Dettaglio ha lo scopo di ottimizzare, laddove possibile, le opere geotecniche oggetto del Progetto Esecutivo. A tal fine, sono state prese come riferimento per la ottimizzazione le valutazioni e carattezzazioni idrogeologico, geotecniche e sismiche dei siti in esame presenti nel Progetto Esecutivo. I calcoli e le verifiche di sicurezza in conformità alle norme NTC 2008.

2. DOCUMENTI DI RIFERIMENTO

Nella redazione del progetto esecutivo di dettaglio si è fatto riferimento ai seguenti documenti.

2.1 DOCUMENTI DI PROGETTO

- L0703213E01000000REL01D - Relazione tecnica generale
- L0703213E02GE0000REL01C - Relazione geologica, geomorfologica e geoidrologica generale
- L03213E02GE0001REL01D - Relazione geotecnica generale sulle opere all'aperto e gallerie artificiali
- L0703213E04000000REL01D - Relazione sismica
- L0703213E02GE0000PRF06C – Profilo geologico
- L0703213E02GE0001PRF06D – Profilo geotecnico

2.2 NORMATIVE DI RIFERIMENTO

Nella redazione del progetto esecutivo si è fatto riferimento ai seguenti documenti normativi.

- D.M. 14/01/2008 "*Norme tecniche per le costruzioni" (NTC08).*
- Circolare del 02/02/2009. *Istruzioni per l'applicazione delle "Norme tecniche per le costruzioni" di cui al D.M. del 14/01/2008.*
- UNI EN1990 *EUROCODICE 0 – Criteri generali di progettazione strutturale.*
- UNI EN1991 *EUROCODICE 1 – Azioni sulle strutture*
- UNI EN1992-1-1 *EUROCODICE 2, parte 1-1 Progettazione delle strutture in calcestruzzo. Parte 1-1: Regole generali e regole per gli edifici.*
- UNI EN 1997-1. *EUROCODICE 7, parte 1. Progettazione geotecnica. Parte 1: Regole generali*
- UNI EN 1998-5. *EUROCODICE 8, parte 5. Progettazione delle strutture per la resistenza sismica. Parte 5: Fondazioni, strutture di contenimento ed aspetti geotecnici.*

2.3 SOFTWARE

RC-Sec (GeoStru – 2021) - www.geostru.eu

PARATIE PLUS – versione 2021 – Harpaceas – www.harpaceas.it

3. DESCRIZIONE DELL' OPERA

Le analisi e verifiche nel seguito esposte fanno in particolare riferimento all'opera di sostegno MU32 situata in SX dell'asse stradale, dal km 9+585 al km 9+684, per uno svuluppo totale di circa 99.4 m.

Nell'ambito del Progetto Esecutivo di Dettaglio (PED), l'ottimizzazione dell'opera in oggetto prevede la realizzazione di paratie di pali ϕ1500/1.7m aventi lunghezza variabile tra i 13m e i 18m. I tratti di applicazione delle paratie di pali con diverse lunghezze dipendono dall'altezza di scavo fino alla quota di progetto.

In

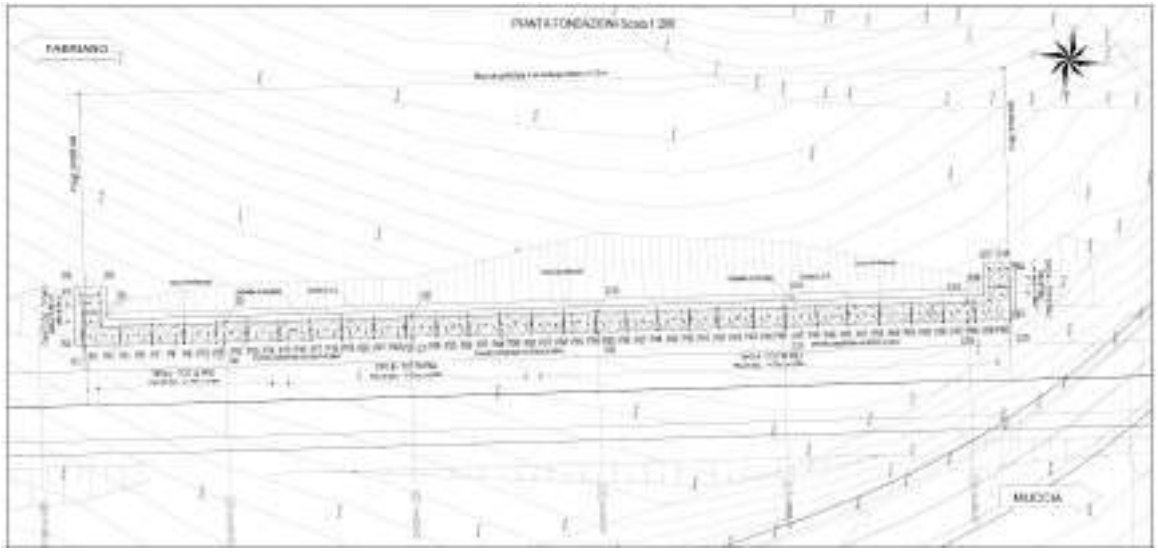


Figura **1**,

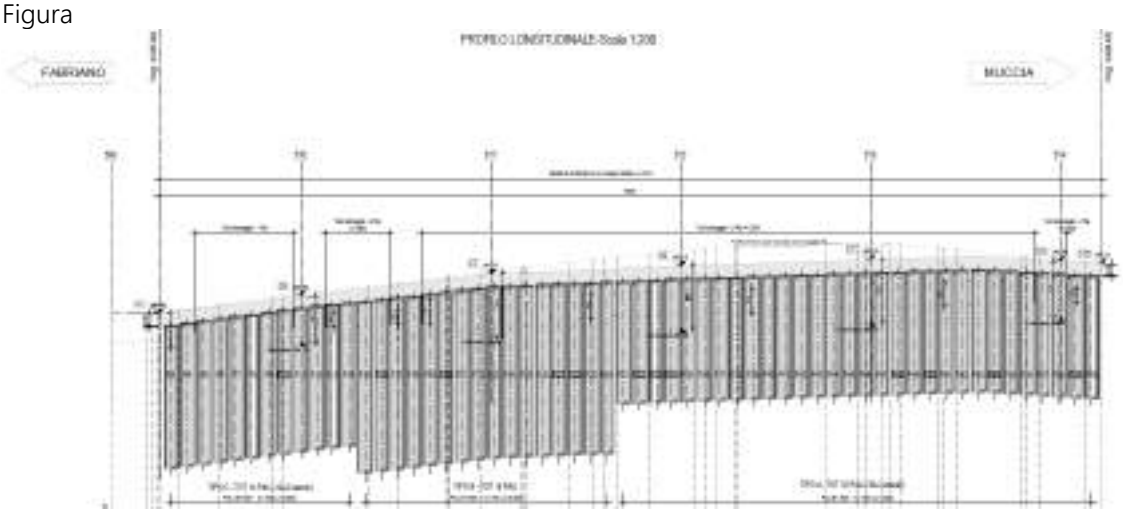


Figura **2** e Figura 3 sono rappresentati pianta, profilo e sezioni tipo dell'opera. Per i dettagli si rimanda agli elaborati grafici di riferimento.

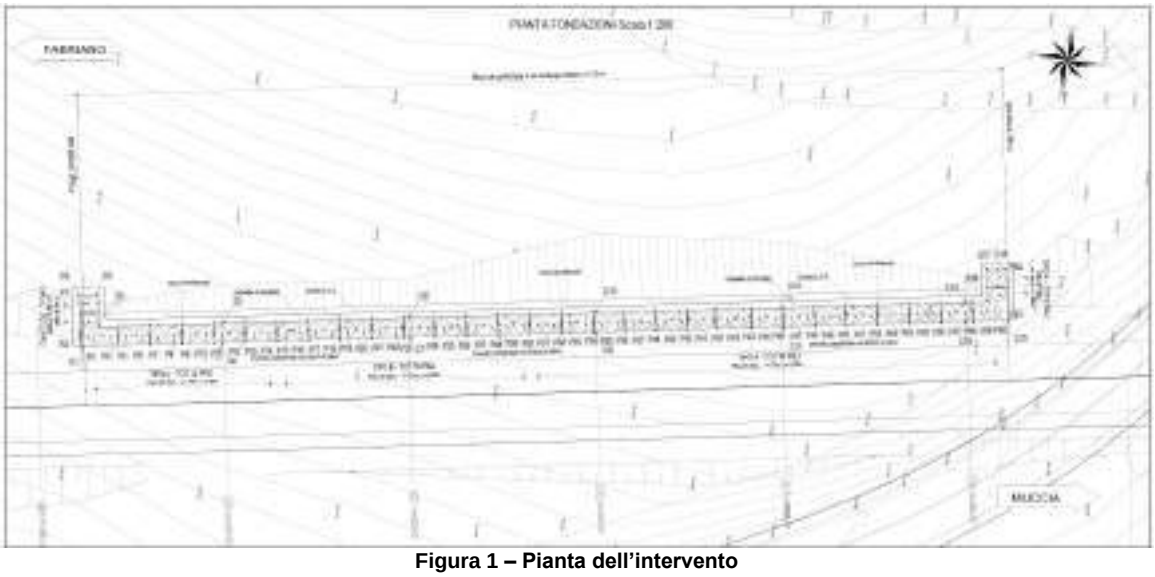


Figura 1 – Pianta dell'intervento

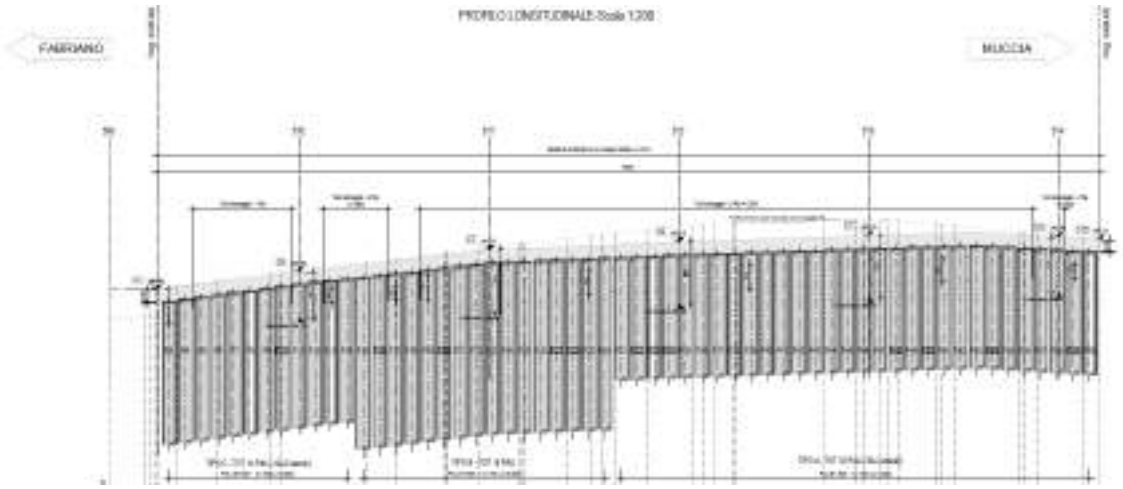


Figura 2 – Profilo longitudinale della paratia

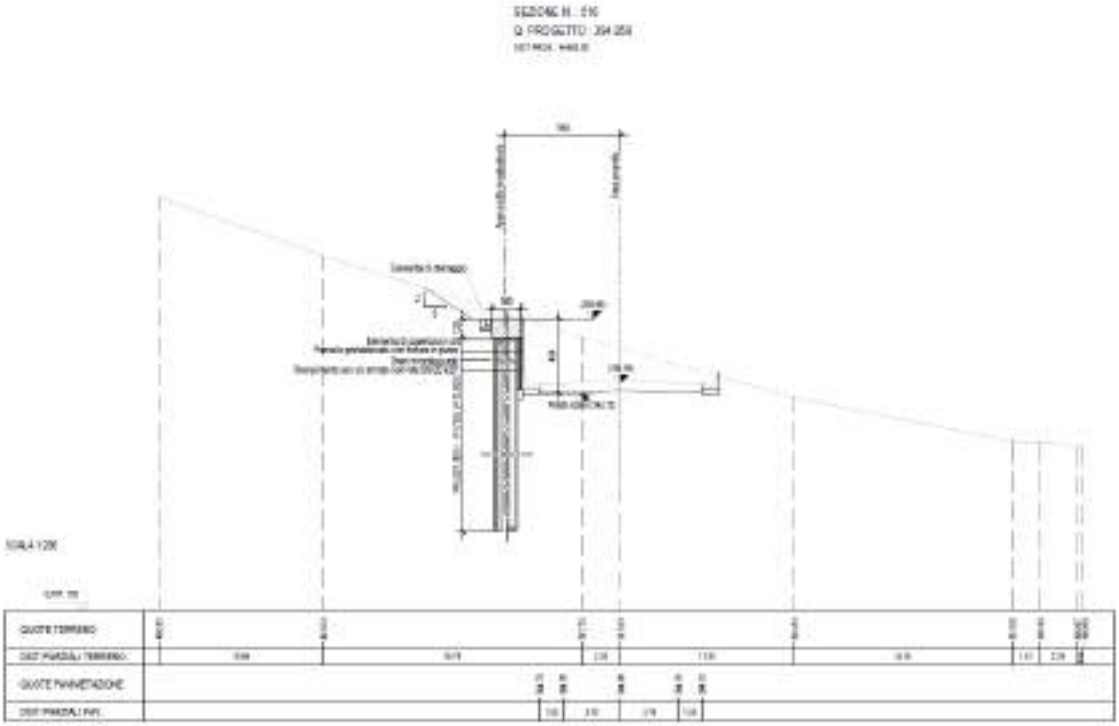


Figura 3 – Sezione tipo paratia

4. CARATTERISTICHE DEI MATERIALI

4.1 CALCESTRUZZO PER PALI E CORDOLO

Per i getti in opera è stato considerato un calcestruzzo di classe C32/40 (Rck=30MPa a 28 gg), le cui proprietà meccaniche sono:

- Resistenza caratteristica cubica a compressione 28 gg: R_{ck} = 40 MPa
- Resistenza caratteristica cilindrica a compressione 28 gg $f_{ck} = 0.83 \cdot R_{ck}$= 32 MPa
- Resistenza media cilindrica a compressione: $f_{cm} = f_{ck} + 8$ = 40 MPa
- Resistenza media a trazione semplice (assiale): $f_{ctm} = 0.3 \cdot f_{ck}^{2/3}$ = 3.02 MPa
- Resistenza caratteristica corrispondente al frattile 5%: $f_{ctk,0.05} = 0.7 \cdot f_{ctm}$=2.12 MPa
- Modulo elastico $E_{cm} = 22 \cdot (f_{cm}/10)^{0.3}$=33GPa
- Rapporto massimo acqua/cemento: A/C≤0.50
- Classe di esposizione ambientale: XA2

I valori delle resistenze di progetto sono ottenuti applicando i seguenti fattori di sicurezza:

- Coefficiente parziale di sicurezza relativo al calcestruzzo: γ_c= 1.5
- Coefficiente riduttivo per la resistenza di lunga durata: α_{cc}=0.85

Resistenza di progetto allo SLU

- Resistenza di calcolo a compressione: $f_{cd} = \alpha_{cc} \cdot f_{ck}/\gamma_c$= 18.1 MPa
- Resistenza di calcolo a trazione: $f_{ctd} = f_{ctk,0.05}/\gamma_c$ = 1.41 MPa

Resistenza di progetto allo SLE

- Tensione limite in comb. caratteristica (rara) $\sigma_{c,r} = 0.6 \cdot f_{ck}$ =19.2 MPa
- Tensione limite in comb. quasi permamente $\sigma_{c,qp} = 0.45 \cdot f_{ck}$ =14.4 MPa
- Tensione limite fessurazione (trazione) $\sigma_t = f_{ctm}/1.2$ = 2.52 MPa

4.2 ACCIAIO PER BARRE DI ARMATURA

Per le barre di armatura è stato considerato un acciaio del tipo B450C, le cui caratteristiche di resistenza sono:

- Tensione caratteristica di snervamento: $f_{yk} \geq$ 450 MPa
- Tensione caratteristica di rottura: $f_{tk} \geq$ 540 MPa
- Rapporto $(f_t/f_y)_k$: $1.15 \leq (f_t/f_y)_k < 1.35$
- Limite sup. resistenza caratteristica di snervamento: $f_{yk}/(450MPa) \leq 1.25$
- Allungamento: $(A_{gt})k \geq 7.5\%$

Il valore della resistenza di progetto è ottenuto applicando un fattore di sicurezza pari a:

- Coefficiente parziale di sicurezza relativo all'acciaio: γ_s= 1.15

Resistenza di progetto allo SLU

- Resistenza di calcolo dell'acciaio: $f_{yd} = f_{yk}/\gamma_s = 450/1.15 = 391$ MPa

Resistenza di progetto allo SLE

- Tensione massima acciaio $\sigma_s = 0.8\ f_{yk} = 360$ MPa

5. MODELLO GEOTECNICO DI RIFERIMENTO

Nel presente paragrafo si riporta la caratterizzazione geotecnica specifica per l'opera in esame. Per dettagli si rimanda alla Relazione Geotecnica Generale. Si sottolinea, comunque, che mediamente il profilo stratigrafico presenta una coltre instabile, di spessore massimo pari a 4.5 circa, che si estende sino ad uno sviluppo di circa 35m dalla progressiva iniziale dell'opera in oggetto. Al di sotto di tale strato, e nel tratto superficiale, che si sviluppa per i successivi 12m circa, è presente una fascia, di spessore variabile tra 5.0 e 9.5m, costituita da depositi eluvio colluviali limoso argillosi che sovrasta il substrato alterato argilloso limoso. Per progressive maggiori a quelle corrispondenti ai tratti precedentemente descritti, il profilo stratigrafico è caratterizzato dalla successione del substrato alterato e del substrato della Formazione dello Schlier costituito da marne argillose, con intercalazioni di calcare detritico e calcareniti

Nell'area adiacente all'opera in oggetto si ha il seguente sondaggio di riferimento: SN2236.

Analizzando il profilo geologico geotecnico, e considerando i tratti di ubicazione dell'opera di sostegno oggetto di dimensionamento, è possibile dunque assumere cautelativamente, la seguente configurazione stratigrafica a diverse progressive di riferimento:

Tabella 1 - Stratigrafia di riferimento MU32 (pk 9+600)

Unità geotecnica	Profondità dal piano campagna [m da p.c.]	Descrizione
a	0 ÷ 4.5	Accumuli di frana
Ecla	4.5 ÷ 14.0	Depositi Eluvio-colluviali limoso argillosi
Salt	14.0-22.0	Substrato alterato argilloso llimoso
Sch	>22.0	Formazione dello Schlier.alternanza di marne argillose siltose

Tabella 2- Stratigrafia di riferimento MU32 (pk 9+620)

Unità geotecnica	Profondità dal piano campagna [m da p.c.]	Descrizione
Ecla	0 ÷ 5.0	Depositi Eluvio-colluviali limoso argillosi
Salt	5.0-18.0	Substrato alterato argilloso llimoso
Sch	>18.0	Formazione dello Schlier.alternanza di marne argillose siltose

Tabella 3- Stratigrafia di riferimento MU32 (pk 9+660)

Unità geotecnica	Profondità dal piano campagna [m da p.c.]	Descrizione
Salt	0.0-3.2	Substrato alterato argilloso llimoso
Sch	>3.2	Formazione dello Schlier.alternanza di marne argillose siltose

5.1 LIVELLO DELLA FALDA

La falda è riscontrata a profondità variabili. Sulla base dell'andamento riportato nel profilo geotecnico, nelle analisi si assume cautelativamente un livello di falda prossima ad una profondità di circa 4 metri dal piano campagna.

5.2 CARATTERIZZAZIONE GEOTECNICA

I parametri geotecnici considerati per l'opera in esame sono riportati nella seguente tabella e fanno riferimento alla caratterizzazione presentata nella relazione L03213E02GE0001REL01D.

In particolare, per lo strato superficiale denominato "a – accumuli di frana" sono stati assunti parametri residui, mentre per le altre unità sono stati adottati parametri medi tra quelli di progetto indicati nella suddetta relazione di riferimento.

Tabella 4 - Parametri geotecnici terreno in sito

Unità	γ [kN/m³]	φ' [°]	c' [kPa]	E [MPa]	v [-]
a	19	18	0	30	0.2
Ecla	19	25	10	30	0.2
Salt	20	26	10	200	0.2
Sch	23	31	63	135	0.2

γ = peso dell'unità di volume

φ' = angolo di resistenza al taglio

c' = coesione drenata

E = modulo elastico

ν = Modulo poisson

6. CARATTERIZZAZIONE SISMICA

Per la caratterizzazione sismica del sito si rimanda alle considerazioni presenti nella relazione sismica (L0703213E04000000REL01D).

Di seguito si riportano i parametri di progetto adottati per le verifiche della stabilità dell'opera in caso di azione sismica.

Tabella 5 – Periodo di riferimento azione sismica

Vita nominale V_N	Classe d'uso	Coefficiente d'uso	Periodo di riferimento V_R
50	III	1.5	75

Tabella 6 - Accelerazione (ag), fattore (F0) e periodo (T*c)

V_R [anni]	Stato Limite	PV_R -	T_R [anni]	a_g [g]	F_0 [-]	T_c [s
75	SLO	81%	45	0.078	2.440	0.285
	SLD	63%	75	0.097	2.433	0.295
	SLV	10%	712	0.220	2.544	0.333
	SLC	5%	1462	0.277	2.584	0.343

Lo spettro di risposta elastico per la descrizione della componente orizzontale del moto sismico è infine costruito a partire dai parametri seguenti.

Tabella 7 – Caratterizzazione sito

Categoria di sottosuolo	Categoria topografica	S_s, fattore stratigrafico	St, fattore topografico
B	T1	1.36	1.0
C	T1	1.18	1.0

7. VERIFICHE GEOTECNICHE E STRUTTURALI

Di seguito si riassumono le verifiche condotte per la stabilità globale dell'opera in esame e le verifiche strutturali della paratia.

7.1 VERIFICHE GEOTECNICHE

7.1.1 STABILITA' GLOBALE

La verifica di stabilità globale del complesso opera di sostegno-terreno è condotta mediante l'ausilio del modulo di stabilità dei pendii (VSP) del software di calcolo Paratie Plus.

Per la verifica si fa riferimento al metodo dell'equilibrio limite di Bishop.

7.1.2 STABILITA' PARATIA

La verifica di stabilità dell'opera di sostegno è condotta mediante l'ausilio del programma Paratie Plus.

Per ulteriori dettagli si rimanda all'Allegato A.

7.2 VERIFICHE STRUTTURALI DELLE SEZIONI IN C.A.

Le verifiche delle sezioni in c.a. dei pali della paratia sono state condotte per mezzo del codice RC-Sec (GeoStru – 2021). Le sollecitazioni sulla paratia sono ricavate, in condizioni SLE, SLU ed SLV, dal calcolo svolto con il codice Paratie Plus.

7.2.1 STATO LIMITE ULTIMO

La determinazione della capacità resistente della sezione del palo viene effettuata con i criteri di cui al punto 4.1.2.3 delle NTC08 per le seguenti sollecitazioni:

- Pressoflessione (rif. formule al punto 4.1.2.1.2.4 delle NTC 2008);
- Taglio per elementi con armature trasversali (rif. formule al punto 4.1.2.1.3 delle NTC 2008).

7.2.2 STATO LIMITE ESERCIZIO

La verifica nei confronti degli Stati limite di esercizio, consiste nel controllare, con riferimento alle Combinazioni di Calcolo allo SLE, il tasso di Lavoro nei materiali e l'ampiezza delle fessure nel calcestruzzo attesa, secondo quanto di seguito specificato:

- Verifica delle tensioni nel calcestruzzo e acciaio sotto combinazione di carico quasi permanente e rara (ref. punto 4.1.2.2.4.1 delle NTC 2008)

  $\sigma_{c,r} = 0.6 \cdot f_{ck} = 19.2$ Mpa — tensione limite calcestruzzo in comb. rara
  $\sigma_{c,qp} = 0.45 \cdot f_{ck} = 14.4$ MPa — tensione limite calcestruzzo in comb. qp
  $\sigma_s = 0.8\ f_{yk} = 360$ MPa — tensione limite acciaio

- Verifica a fessurazione calcestruzzo sotto combinazione di carico frequente e combinazione quasi permanente (ref. punto 4.1.2.2.4.2 e Tab. 4.1.IV delle NTC 2008)

  Condizioni Ambientali: Ordinarie

  Armature: Poco Sensibili

w < 0.2 mm combinazione Quasi permanente

w < 0.3 mm combinazione frequente.

8. STATI LIMITE E COMBINAZIONI DI CALCOLO

8.1 STATO LIMITE ULTIMO

Per quanto riguarda le opere di stabilizzazione, costituite da paratia di pali, si effettuano le verifiche con riferimento ai seguenti stati limite:

- SLU di tipo geotecnico (GEO);
- SLU di tipo strutturale (STR) per il raggiungimento della resistenza negli elementi strutturali.

Secondo quanto riportato in normativa DM 14-01-2008, la verifica di stabilità globale dell'insieme terreno-opera deve essere effettuata secondo l'Approccio 1:

- Combinazione 2: (A2+M2+R2)

Le rimanenti verifiche devono essere effettuate secondo almeno uno dei seguenti approcci:

Approccio 1:

- Combinazione 1: (A1+M1+R1)
- Combinazione 2: (A2+M2+R1)

I coefficienti per le azioni A, per i parametri geotecnici M e per le resistenze R sono riassunti nelle seguenti tabelle.

Tabella 8 – Coefficienti parziali per le azioni SLU

Carichi tipo	Effetto	Coefficiente parziale	A1	A2
Permanenti G1	Favorevole	γ_{G1}	1.0	1.0
	Sfavorevole		1.3	1.0
Permanenti non strutturali G2	Favorevole	γ_{G2}	0.8	0.8
	Sfavorevole		1.5	1.3
Variabili Q	Favorevole	γ_{Q}	0	0
	Sfavorevole		1.5	1.3

Tabella 9 – Coefficienti parziali per i parametri del terreno SLU

Carichi tipo	Coefficiente parziale	M1	M2
Tangente angolo resistenza al taglio	$\tan \varphi'_k$	1.0	1.25
Coesione efficace	c'_k	1.0	1.25

Resistenza non drenata	c_{uk}	1.0	1.4
Peso unità di volume	γ	1.0	1.0

Tabella 10 – Coefficienti parziali resistenza R2 verifiche di opere in materiali sciolti e fronti di scavo

Verifica	R2
Stabilità globale	$\gamma_R = 1.1$

In presenza di azioni sismiche, lo stato limite ultimo considerato comprende lo Stato Limite di Salvaguardia della Vita (SLV).

I coefficienti parziali sulle azioni e parametri geotecnici sono posti pari all'unità mentre i coefficienti parziali relativi alle resistenze risultano invariati rispetto a quelli considerati per le verifiche in condizioni statiche.

8.2 STATO LIMITE ESERCIZIO

Per le verifiche strutturali allo stato limite di esercizio seguenti coefficienti parziali per le azioni sono stati considerati:

Tabella 11 – Coefficienti parziali per le azioni SLS Freq. e QP

Carichi tipo	Effetto	γ	Ψ
Permanenti G1	Sfavorevole	1.0	-
Permanenti G2	Sfavorevole	1.0	-
Variabili Q	Sfavorevole	1.0	-

Tabella 12 – Coefficienti parziali per le azioni SLS Rara

Carichi tipo	Effetto	γ	Ψ
Permanenti G1	Sfavorevole	1.0	-
Permanenti G2	Sfavorevole	1.0	-
Traffico Q	Sfavorevole	1.0	0.75

9.

10. ANALISI DEI CARICHI

10.1 CARICHI PERMANENTI

Per carichi permanenti si intendono le azioni associate ai pesi propri del palo, del terrapieno spingente e dell'acqua di falda, valutati in automatico dal Software di calcolo utilizzato.

10.2 AZIONE SISMICA

Per la valutazione degli effetti dell'azione sismica sulle masse e sui coefficienti di spinta del terreno, si è fatto riferimento al metodo pseudo-statico previsto al punto 7.11.3.5.2 - "Metodi di Analisi" - delle NTC2008 secondo il quale, nelle verifiche allo stato limite ultimo, i valori dei coefficienti sismici orizzontale kh e verticale kv possono essere valutati mediante le seguenti espressioni:

$$k_h = \beta_s \cdot \frac{a_{max}}{g}$$

$$k_v = \pm 0.5 \cdot k_h$$

dove

a_{max} = accelerazione orizzontale massima attesa al sito

g = accelerazione di gravità.

In assenza di analisi specifiche della risposta sismica locale, l'accelerazione massima può essere valutata con la relazione:

$$a_{max} = S \cdot a_g = S_s \cdot S_t \cdot a_g$$

dove

S = coefficiente che comprende lìeffetto dell'amplificazione stratigrafica (S_s) e dell'amplificazione topografica (S_t).

a_g = accelerazione orizzontale massima attesa su sito di riferimento rigido.

Di seguito sono riportati i valori di β_S considerati per i fronti di scavo (utilizzati nelle analisi globali), e per le paratie, in accordo a quanto indicato nella NTC2008.

Tabella 13 – Coefficienti dell'accelerazione massima attesa al sito – Fronti di scavo e rilevati

	Categoria di sottosuolo	
	A	B, C, D, E
	β_S	β_S
$0.2<a_g(g)\leq 0.4$	0.3	0.28
$0.1<a_g(g)\leq 0.2$	0.27	0.24
$a_g(g)\leq 0.1$	0.2	0.2

Nel caso delle paratie, il coefficiente β può essere ricavato, con riferimento al seguete diagramma, in funzione del massimo spostamento u_s che l'opera può subire, che deve risultare:

$u_s \leq 0.005\ H$

dove H indica la lunghezza complessiva della paratia.

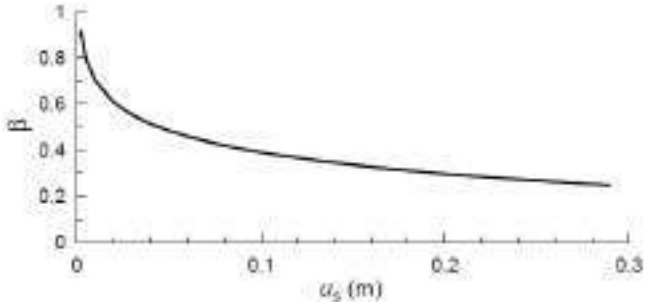


Figura 4 – Diagramma per la valutazionedel coeffriciente di sopstamento β

I parametri di progetto dell'azione sismica considerati nell'analisi dell'opera oggetto della presente relazione sono riassunti nelle tabelle seguenti.

Tabella 14 – Parametri progetto azione sismica equivalente – Fronti di scavo e rilevati

Cat.	Ss	S_T	a_g	a_{max}	k_h	k_v
B	1.18	1.0	0.22g	0.26g	0.072	±0.036
C	1.36	1.0	0.22g	0.30g	0.084	±0.042

11. ANALISI E VERIFICHE

Si riportano di seguito risultati delle analisi e verifiche per le sezioni di calcolo considerate.

11.1 SEZIONI DI CALCOLO

Sono state analizzate 3 sezioni di calcolo, riferite a paratie di pali aventi lunghezze diverse, localizzate in zone caratterizzate da diverse condizioni stratigrafiche. Il riepilogo delle sezioni analizzate e le progressive di riferimento è riportato nella seguente tabella.

Tabella 15 - Sezioni di calcolo

ID muro	Sezione di calcolo	L pali [m]	Hscavo [m]	Lato stradale	pk
MU32	Paratia 1	15	4.84	SX	9+600
MU32	Paratia 2	18	6.5	SX	9+620
MU32	Paratia 3	13	6.5	SX	9+660

Di seguito sono sintetizzati i risulati delle analisi eseguite per le sezioni di calcolo analizzate.

Per il dettaglio delle analisi geotecniche e strutturali, fare riferimento agli ALLEGATI A e B rispettivamente.

11.2 RISULTATI DELLE ANALISI: SEZIONE PARATIA 1

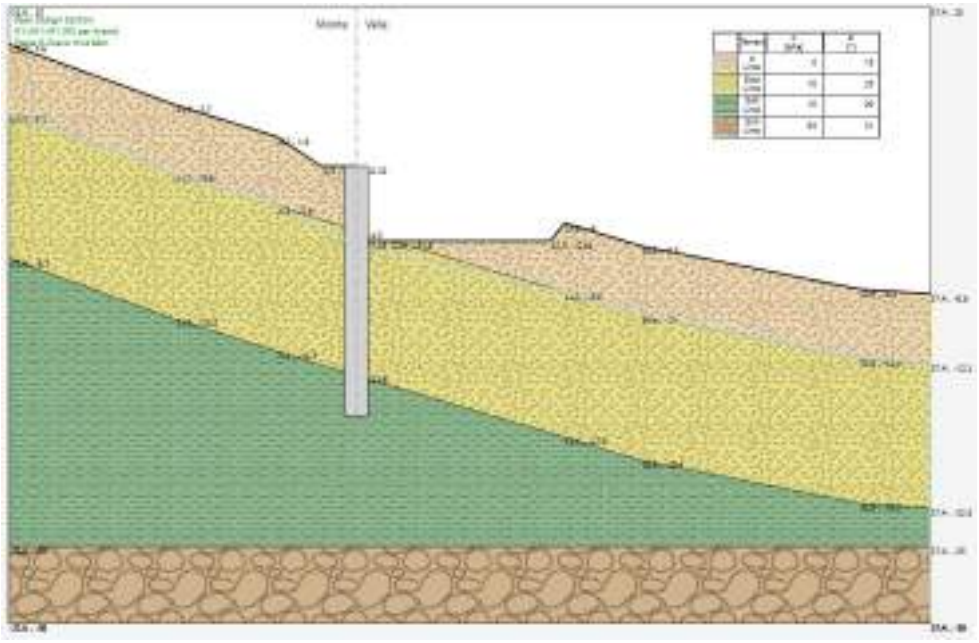


Figura 5 Modello di calcolo Paratie Plus

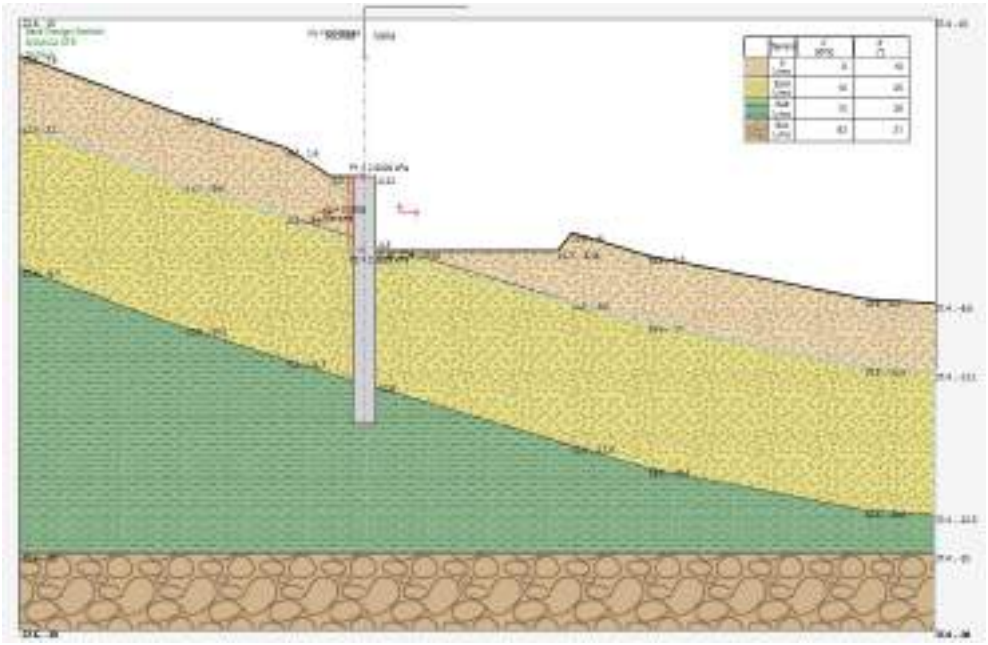


Figura 6 Modello di calcolo Paratie Plus - condizioni sismche

11.2.1 Sollecitazioni nella paratia

Si presentano di seguito i risultati delle analisi per quanto riguarda le sollecitazioni nella paratia. Le figure seguenti riportano una rappresentazione della sezione analizzata e le sollecitazioni nella paratia in SLU e SLV.

Le analisi agli SLV sono state eseguite considerando i parametri di progetto dell'azione sismica definiti nel caso di categoria di sottosuolo di tipo C.

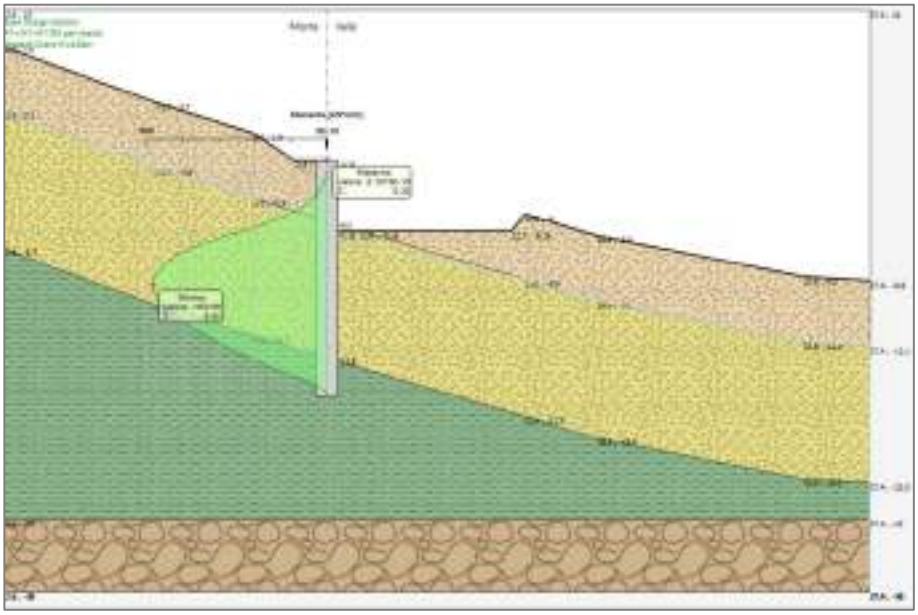


Figura 7 – Momento flettente nella paratia - configurazione finale (SLU)

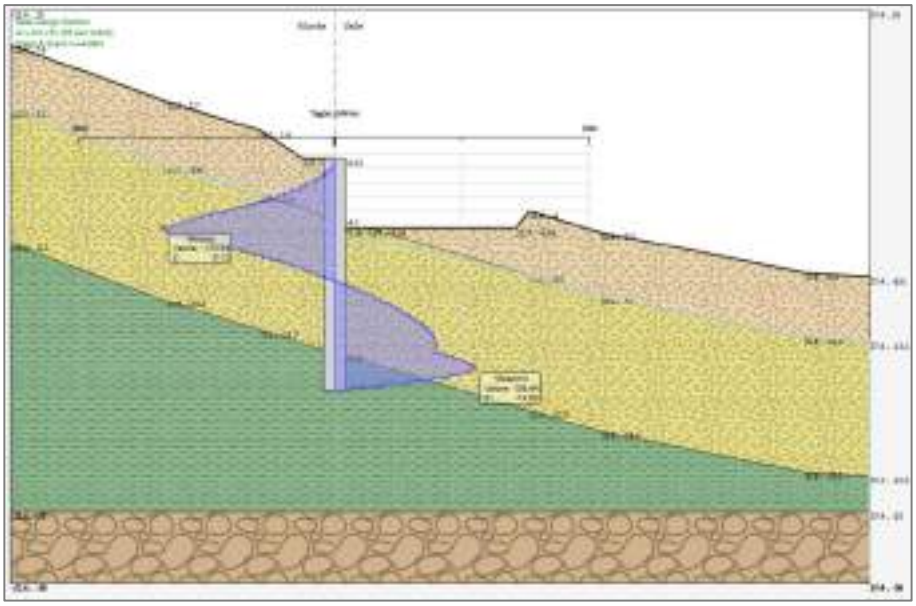


Figura 8 – Taglio nella paratia - configurazione finale (SLU)

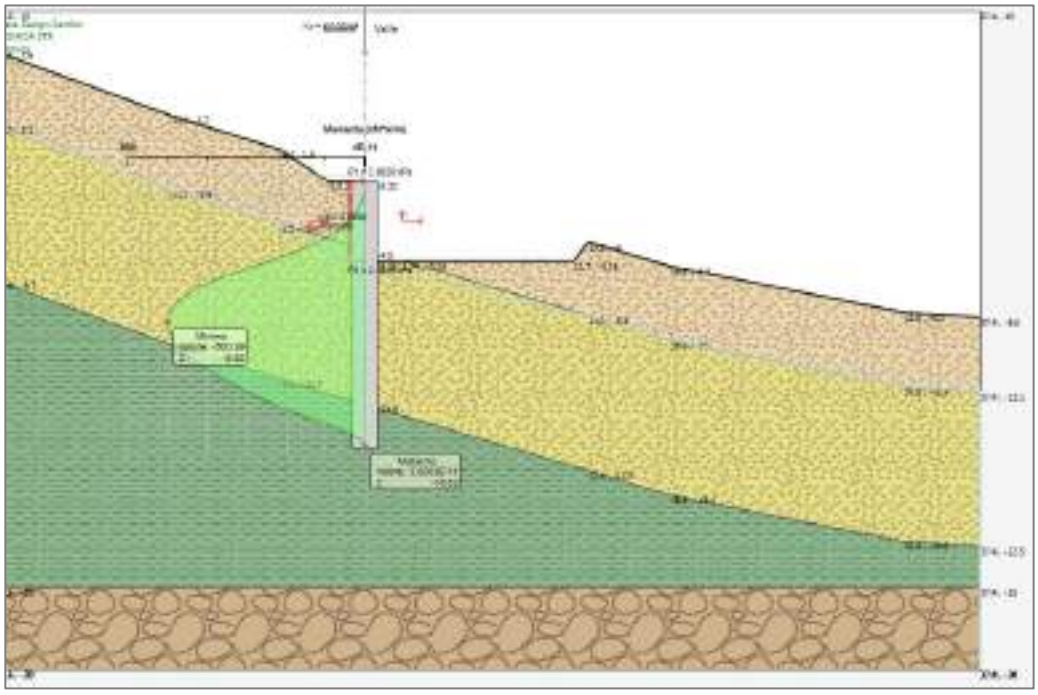


Figura 9 – Momento flettente nella paratia - configurazione finale (SLV)

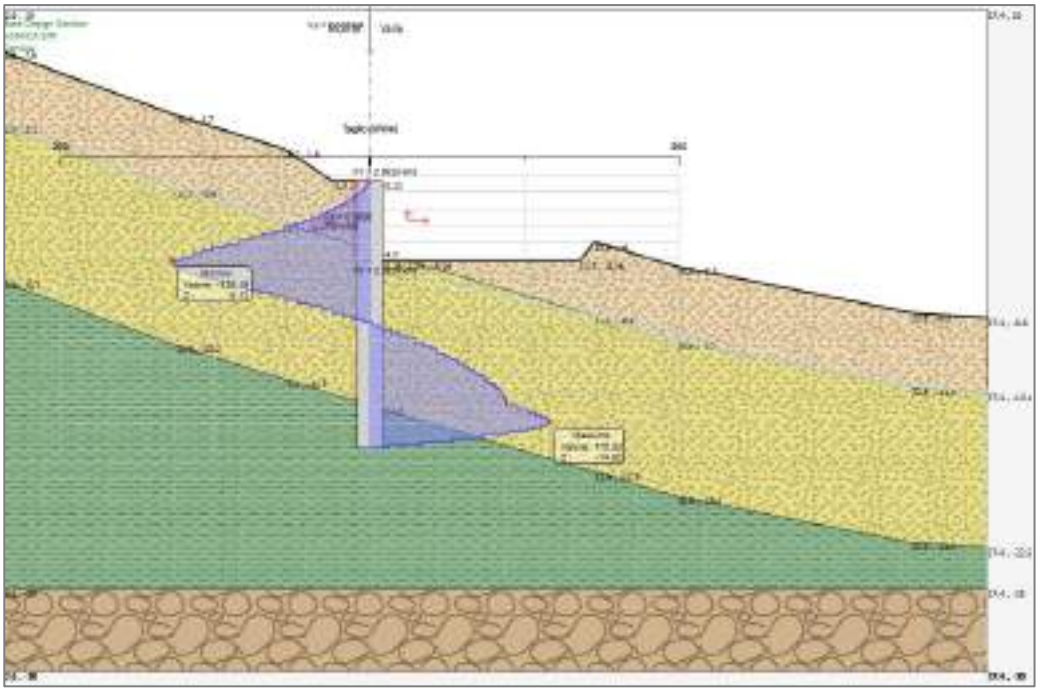


Figura 10– Taglio nella paratia - configurazione finale (SLV)

11.2.2 Verifica sulla spinta mobilitata al piede della paratia

La verifica sulla quota parte di spinta passiva mobilitata al piede della paratia è stata effettuata tramite il codice di calcolo Paratie Plus.

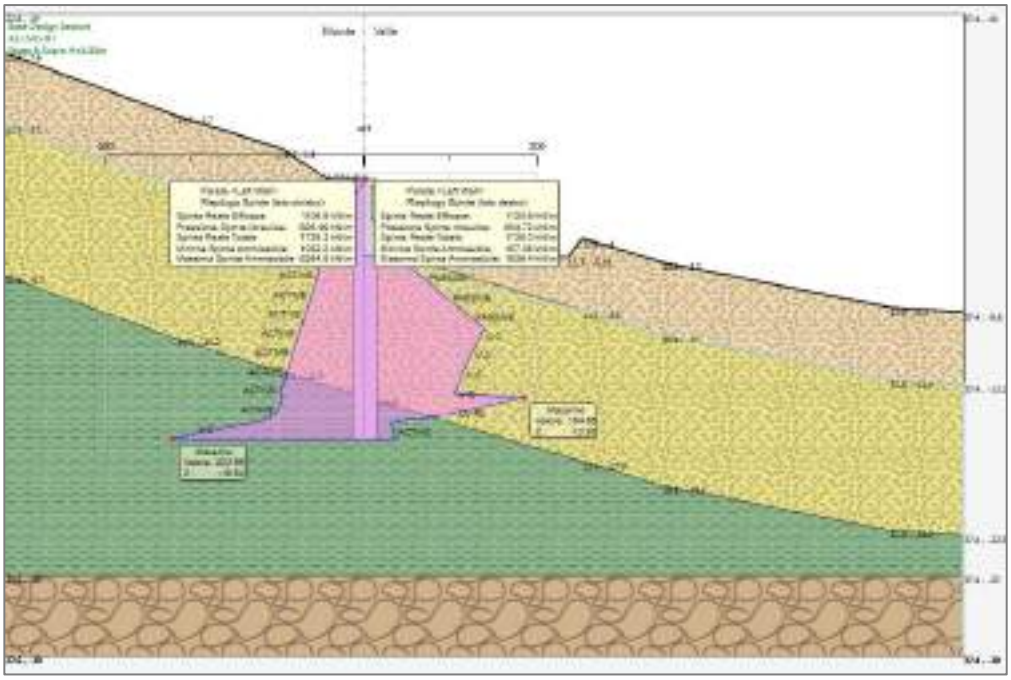


Figura 11 – Verifica sulla spinta mobilitata al piede delle paratia - configurazione finale (SLU)

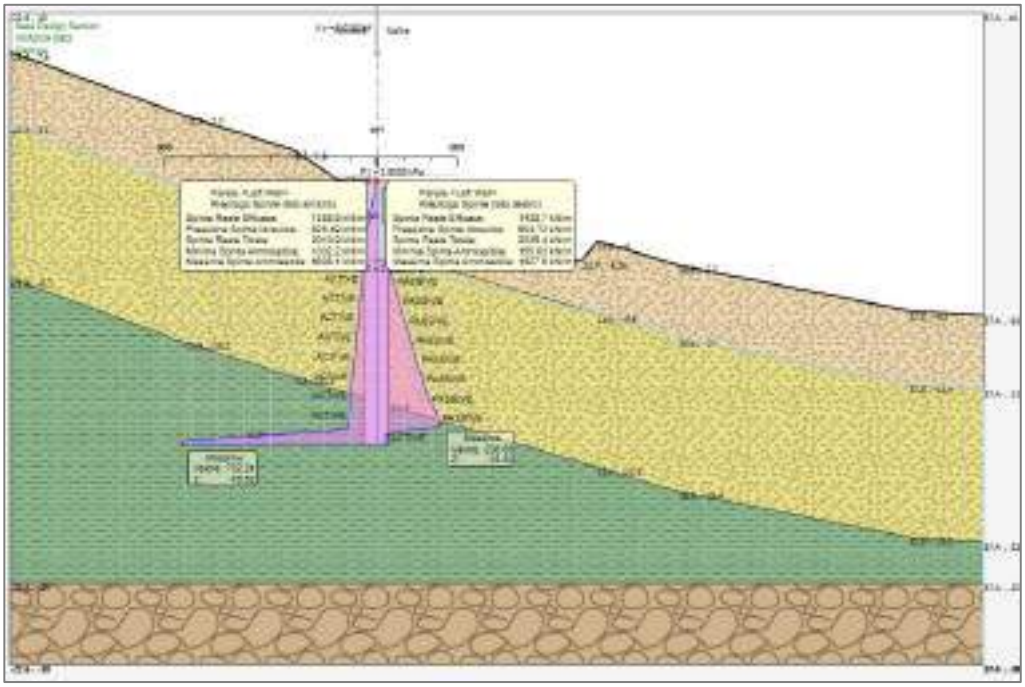


Figura 12 – Verifica sulla spinta mobilitata al piede delle paratia - configurazione finale (SLV)

Tabella 16 Mobilitazione della spinta passiva al piede della paratia

	SLU (A2+M2+R1)	SLV (SISMICA GEO)
Rp (%)	58	88

11.2.3 Stima degli spostamenti della paratia

Nella seguente figura si riporta il grafico relativo agli spostamenti SLE nella configurazione finale in condizioni statiche.

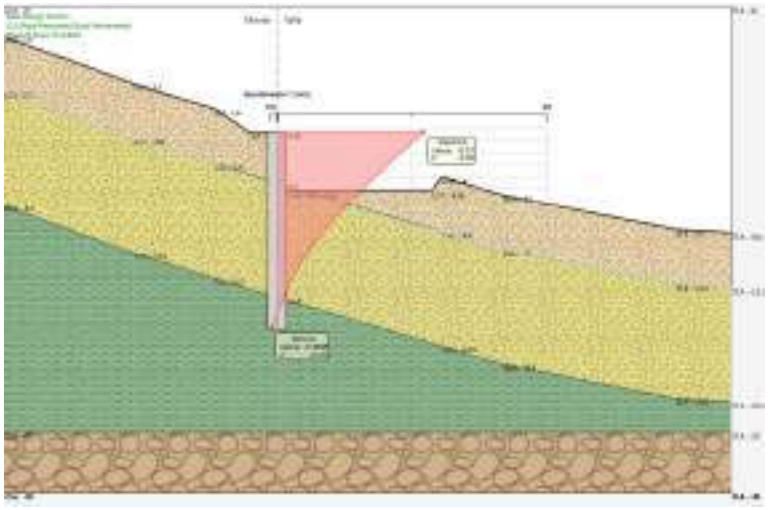


Figura 13 – Spostamenti della paratia – configurazione finale (SLE)

11.2.4 Stabilità globale

Nelle seguenti figure si riportano i risultati delle verifiche di stabilità globale per le condizioni statiche e sismiche.

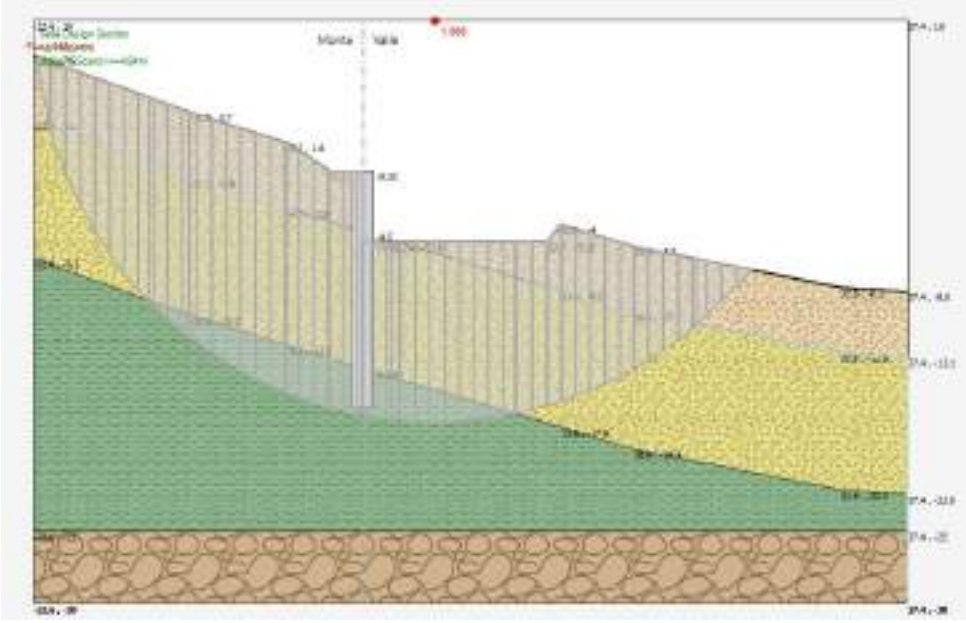


Figura 14 – Verifica di stabilità globale – configurazione finale (SLU)

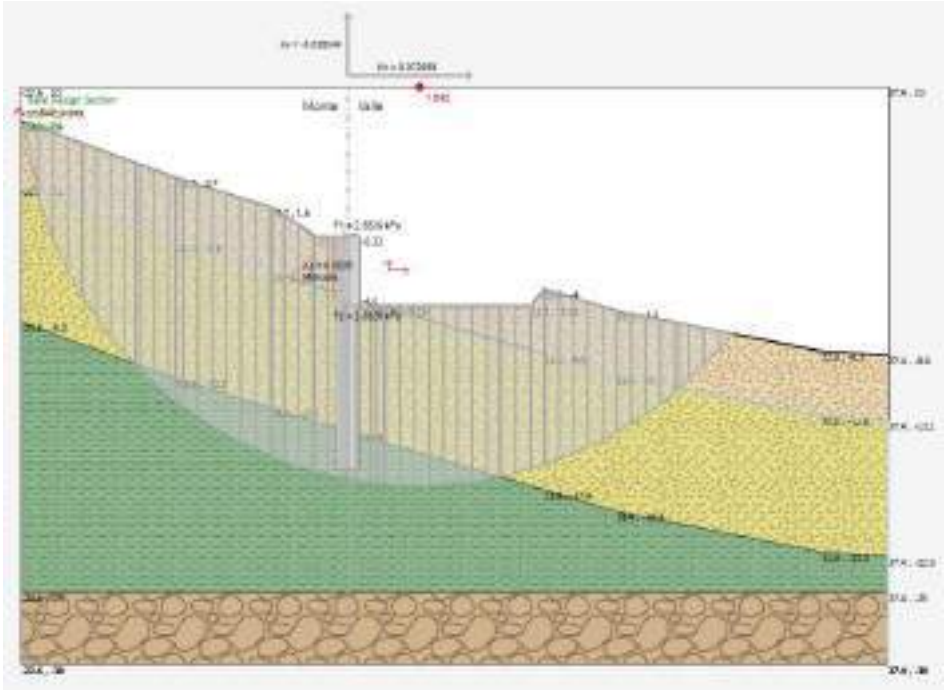


Figura 15 – Verifica di stabilità globale – configurazione finale (SLV kv-)

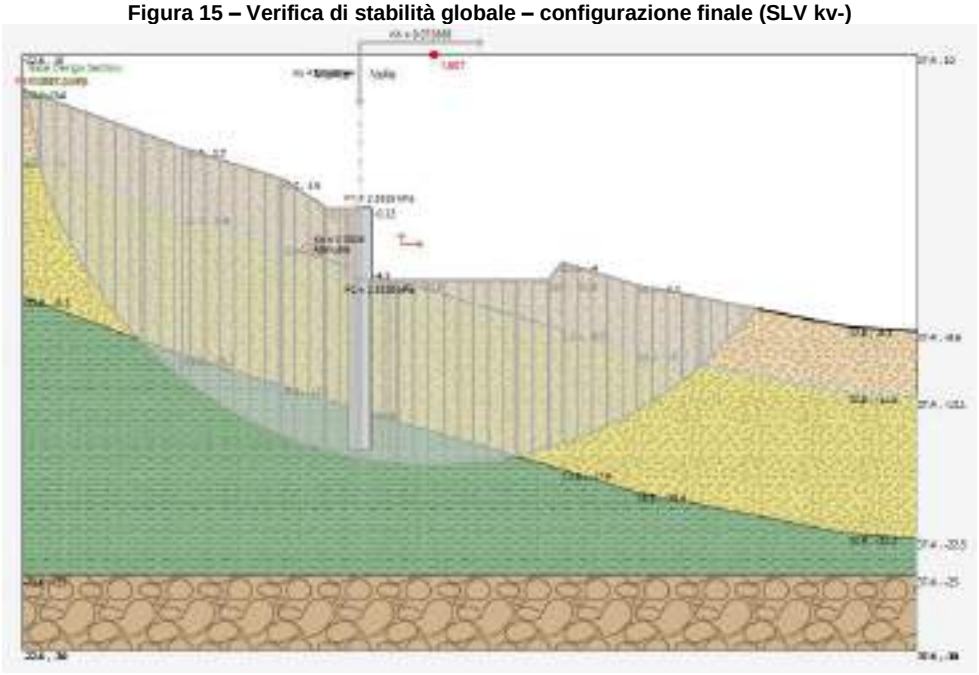


Figura 16– Verifica di stabilità globale – configurazione finale (SLV kv+)

Nei casi analizzati è stato ottenuto un coefficiente di sicurezza FS, relativo alla superficie di scorrimento considerata, superiore al valore del coefficiente parziale di resistenza che riduce la resistenza disponibile del terreno γ_R pari a 1.1, pertanto secondo quanto prescritto dalla normativa considerata, le verifiche di sicurezza risultano essere soddisfatte.

11.2.5 Verifiche strutturali

Per l'opera di sostegno, costituita da pali di diametro 1500m ad interasse 1.7m, si prevede la seguente armatura di calcolo:

- Armatura longitudinale: Gabbia sup.: 16Φ26mm, L= 5m;
  Gabbia inf.: 16+16Φ26mm fino a fine palo;
- Armatura a taglio: Spirali sup.Φ16/20cm;
- Copriferro netto: 9cm.

Il quantitativo di armatura longitudinale è stato verificato nei rispetti dei requisiti minimi e massimi da normativa UNI EN 1536:2003 e NTC08.

In particolare:

$A_{s_{gabbia}} = 16\phi 26 = 0.008\, m^2$

$A_{s_{tesa}} = 11\phi 26 = 0.006\, m^2$ (ferri area tesa considerando asse neutro=38.6 cm)

$A_{s,min} = 0.26\frac{f_{ctm}}{fyk} \cdot b_t \cdot d = 0.0026\, m^2$ [4.1.6.1.1 NTC2008

$A_{s_{min}} = 0.0013 \cdot b_t \cdot d = 0.002\, m^2$[4.1.6.1.1 NTC2008]

$A_{s,min} = 0.25\% \cdot A_c = 0.004\, m^2$ [7.6 UNI EN 1536]

$A_{s,max} = 0.04 \cdot A_c = 0.07\, m^2$ [4.1.6.1.1 NTC2008]

Con

bw= 1.232 m

d = 1.207 m

Per ulteriori dettagli si rimanda agli elaborati di carpenterie ed armature LO703213E16MU0032CPR01C e LO703213E16MU0032ARM01A.

La paratia è stata verificata per le seguenti combinazioni di carico:

Tabella 17 – Sollecitazioni verificate (gabbia sup.)

STATO LIMITE	N [kN]	M [kNm]	T [kN]
SLU	-	227	180
SLV	-	277	174
SLE	-	175	-

PRESSOFLESSIONE STATO LIMITE ULTIMO

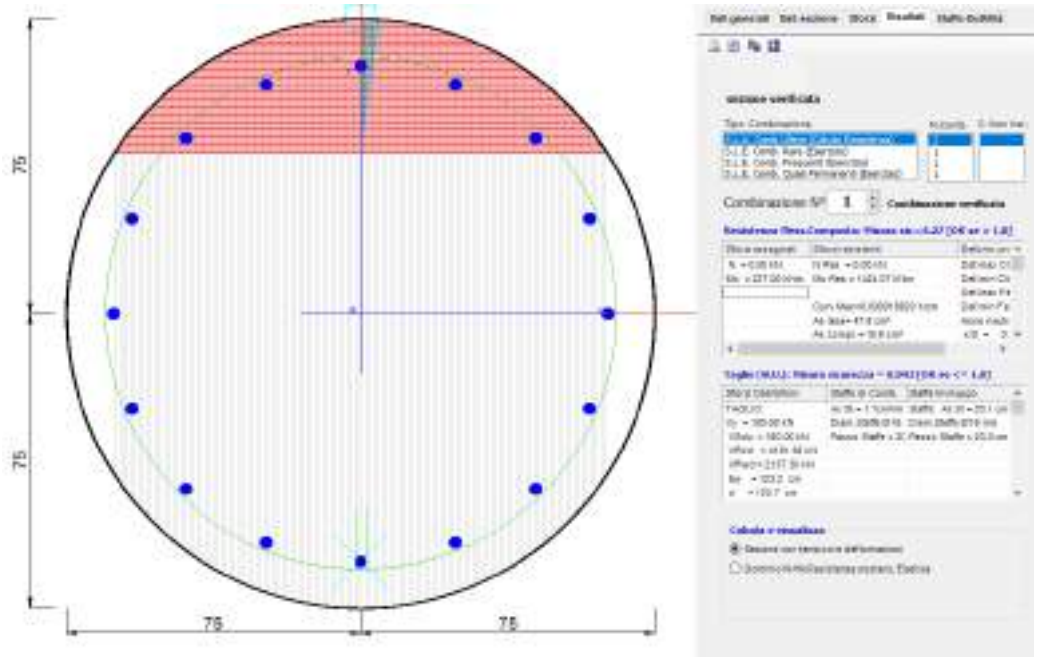


Figura 17 – Combinazione 1 (Mmax) – Gabbia sup. 16Φ26 –

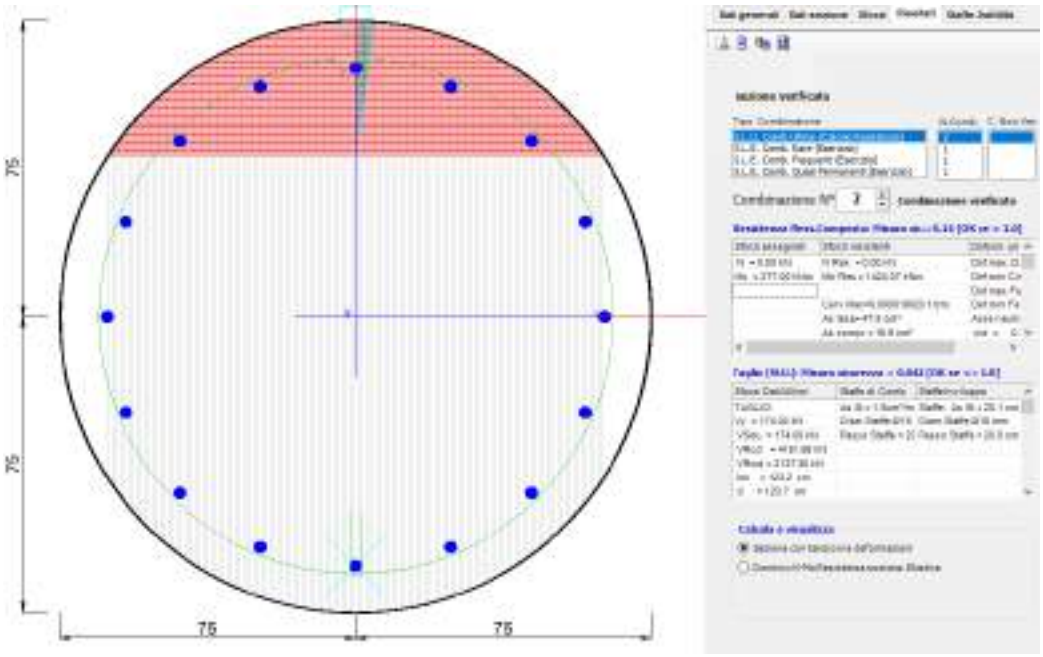


Figura 18 – Combinazione 2 (Mmax) – Gabbia sup. 16Φ26 - SLV

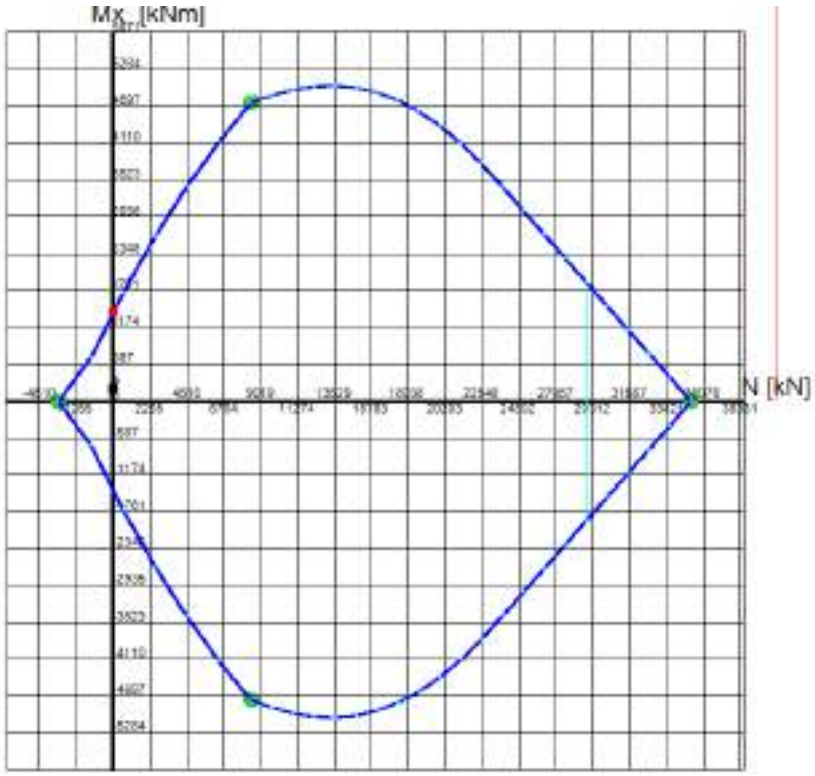


Figura 19 – Dominio M-N - Gabbia sup. 16Φ26 - SLU e SLV

Tabella 18 – Sollecitazioni verificate (gabbia inf.)

STATO LIMITE	N [kN]	M [kNm]	T [kN]
SLU	-	821	228
SLV	-	851	209
SLE	376	631	-

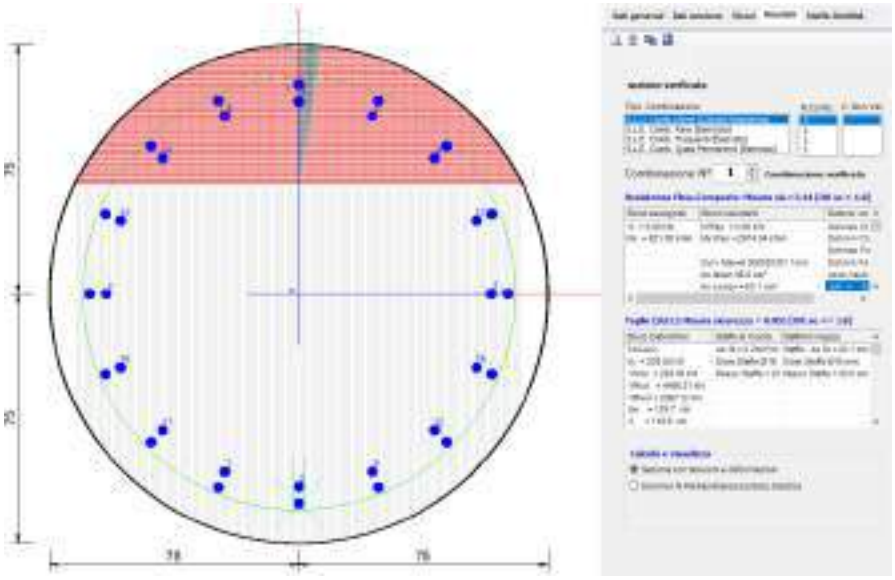


Figura 20 – Combinazione 1 (Mmax) – Gabbia inf. 16+16Φ 26 – SLU

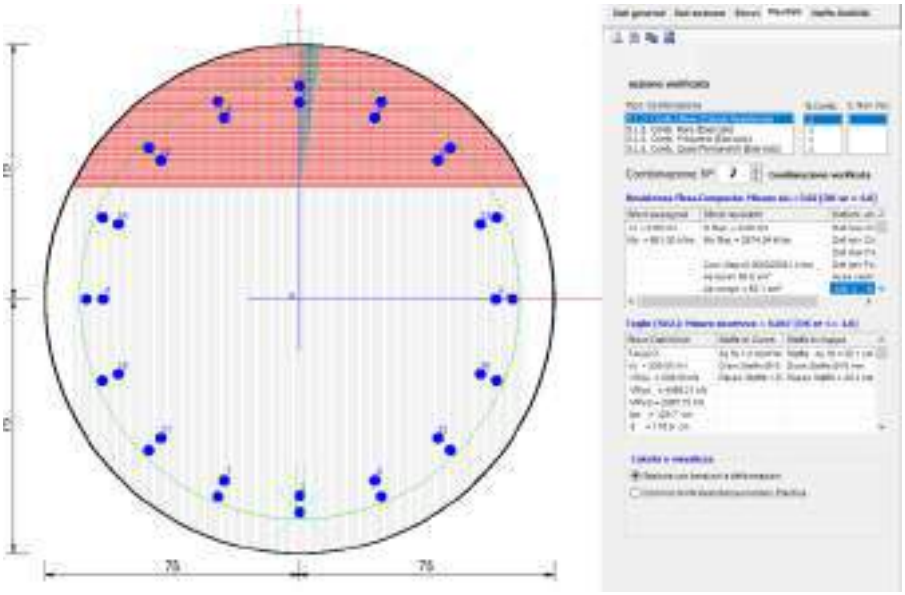


Figura 21 – Combinazione 2 (Mmax) – Gabbia inf. 16+16Φ 26 - SLV

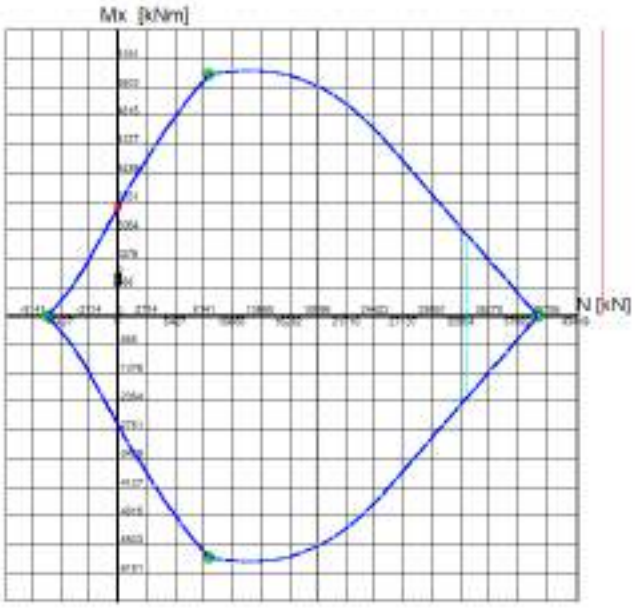


Figura 22 – Dominio M-N - Gabbia 16+16Φ26 – SLU e SLV

STATO LIMITE ESERCIZIO

Di seguito sono riportate le massime sollecitazioni nelle barre e nel calcestruzzo durante le fasi di esercizio e l'apertura massima delle fessure nella sezione maggiormente sollecitata del palo.

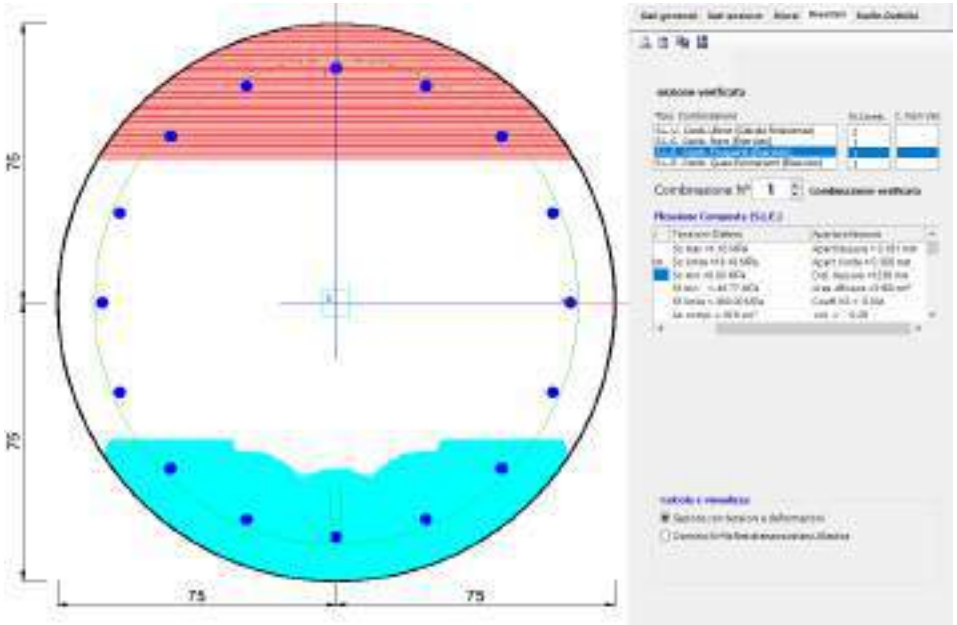


Figura 23 – Combinazione 3 – Gabbi sup. 16Φ 26 - SLE – Verifiche di fessurazione e di tensione sulle barre

Tabella 19 – Verifica tensioni (gabbia sup.)

COMBINAZIONE	TENSIONI ESERCIZIO	TENSIONI AMMISSIBILI
S.L.E. RARA	σs = 48.77MPa	360 MPa
	σc = 1.16 MPa	19.18 MPa
S.L.E. QUASI PERMAMENTE	σs = 48.77MPa	360 MPa
	σc = 1.16 MPa	14.38 MPa

Tabella 20 – Verifica apertura fessure (gabbia sup.)

COMBINAZIONE	MAX. APERTURA	FESSURA LIMITE
S.L.E. FREQUENTE	0.181 mm	0.3 mm
S.L.E. QUASI PERMANENTE	0.181 mm	0.2 mm

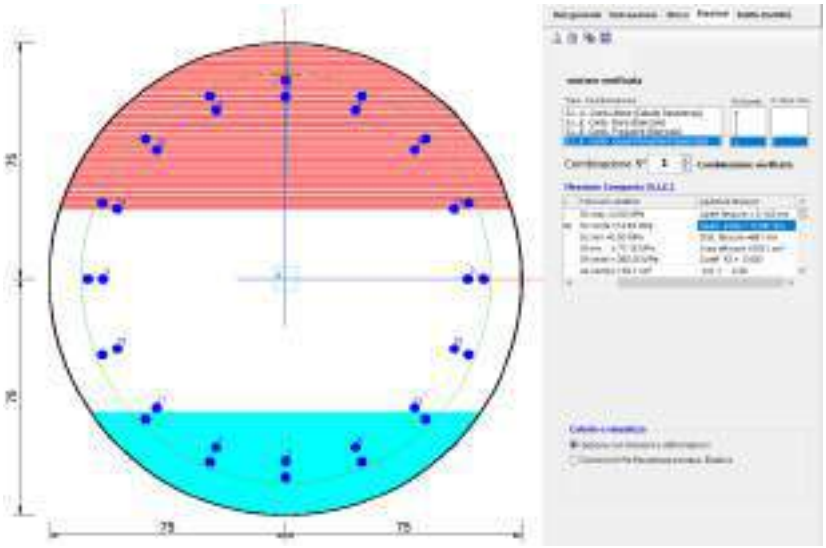


Figura 24 – Combinazione 3 – Gabbia inf. 16+16Φ26 - SLE – Verifiche di fessurazione e di tensione sulle barre

Tabella 21 – Verifica tensioni (gabbia inf.)

COMBINAZIONE	TENSIONI ESERCIZIO	TENSIONI AMMISSIBILI
S.L.E. RARA	σs = 72.15 MPa	360 MPa
	σc = 3.00 MPa	19.18 MPa
S.L.E. QUASI PERMAMENTE	σs = 72.15 MPa	360 MPa
	σc = 3.00 MPa	14.38 MPa

Tabella 22 – Verifica apertura fessure (gabbia inf.)

COMBINAZIONE	MAX. APERTURA	FESSURA LIMITE
S.L.E. FREQUENTE	0.143 mm	0.3 mm
S.L.E. QUASI PERMANENTE	0.143 mm	0.2 mm

11.3 RISULTATI DELLE ANALISI: SEZIONE PARATIA 2

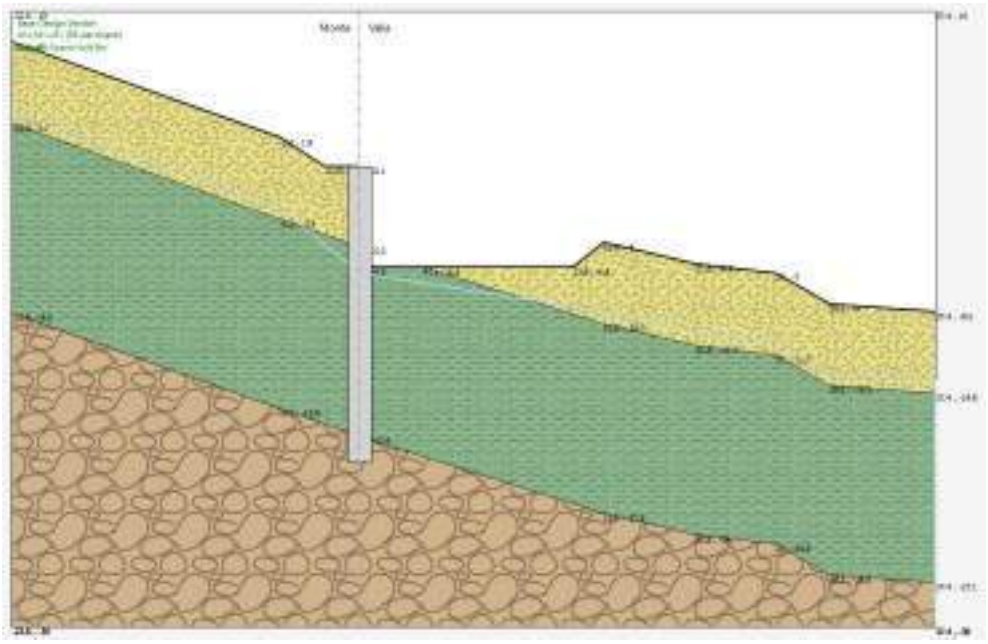


Figura 25 Modello di calcolo Paratie Plus

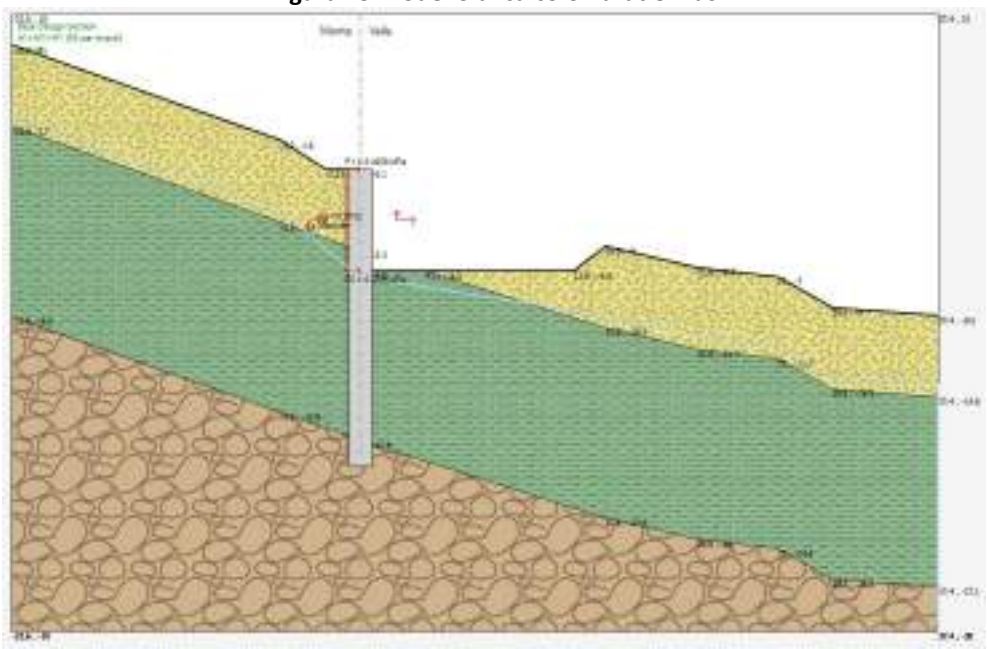


Figura 26 Modello di calcolo Paratie Plus - condizioni sismiche

11.3.1 Sollecitazioni nella paratia

Si presentano di seguito i risultati delle analisi per quanto riguarda le sollecitazioni nella paratia. Le figure seguenti riportano una rappresentazione della sezione analizzata e le sollecitazioni nella paratia in SLU e SLV.

Le analisi agli SLV sono state eseguite considerando i parametri di progetto dell'azione sismica definiti nel caso di categoria di sottosuolo di tipo C.

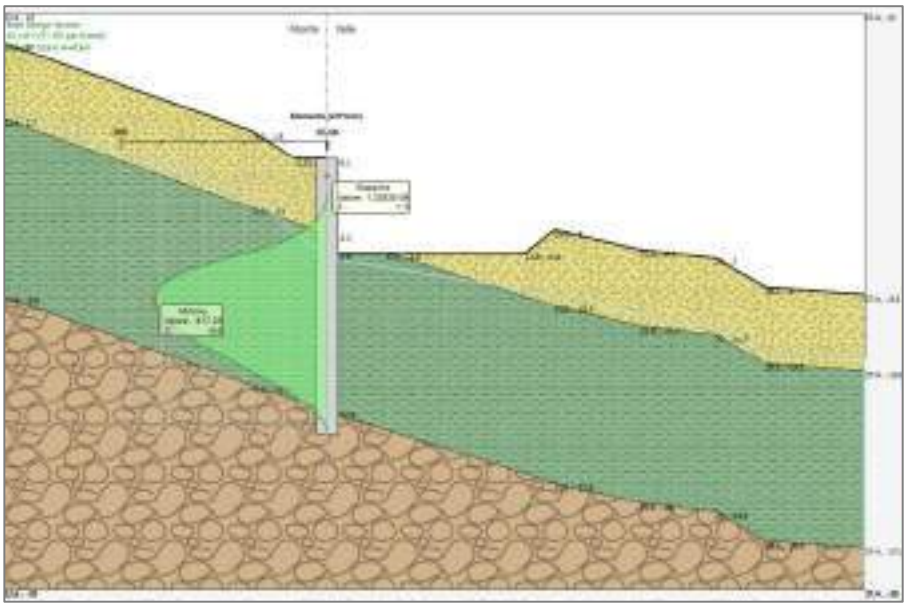


Figura 27 – Momento flettente nella paratia - configurazione finale (SLU)

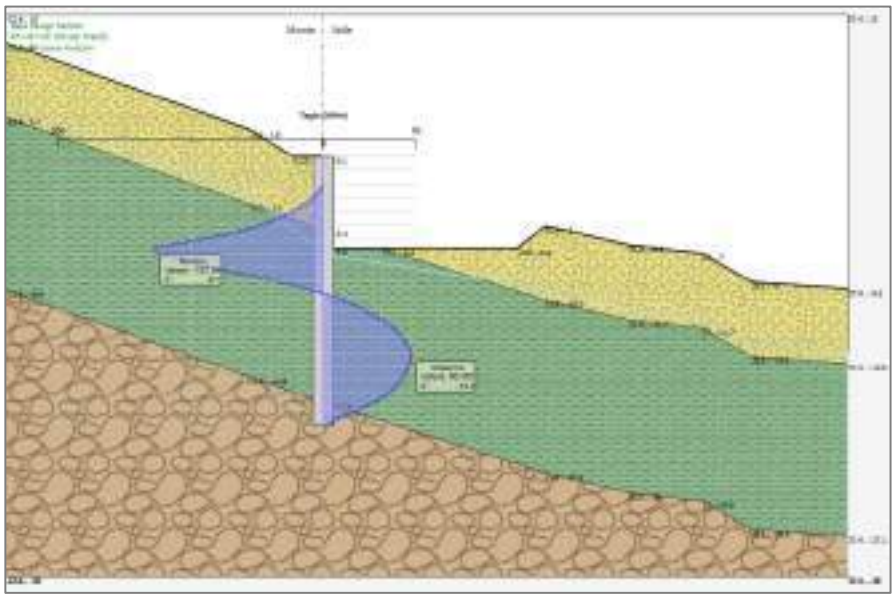


Figura 28 – Taglio nella paratia - configurazione finale (SLU)

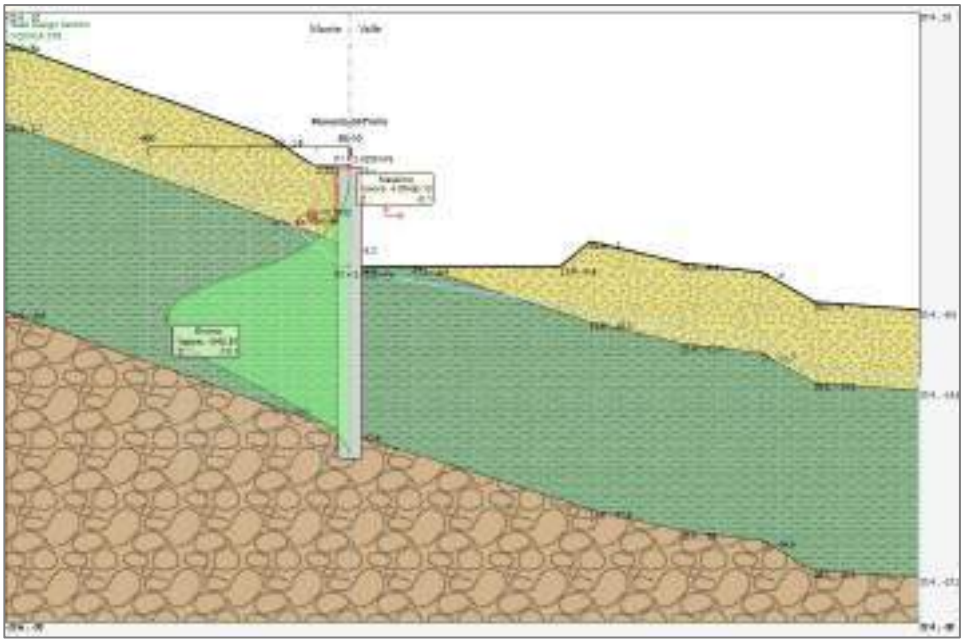


Figura 29– Momento flettente nella paratia - configurazione finale (SLV)

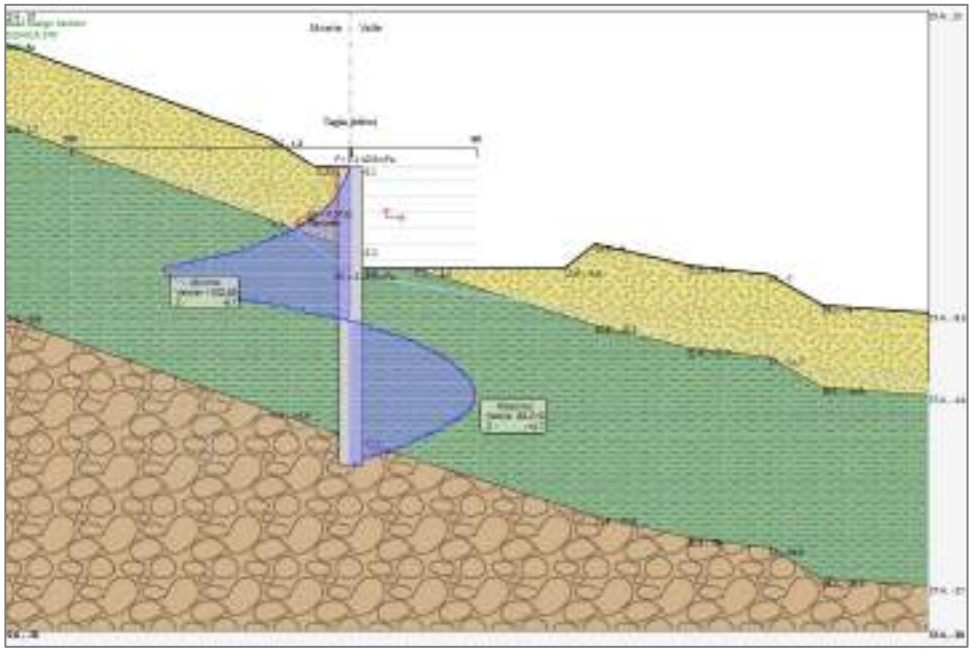


Figura 30– Taglio nella paratia - configurazione finale (SLV)

11.3.2 Verifica sulla spinta mobilitata al piede della paratia

La verifica sulla quota parte di spinta passiva mobilitata al piede della paratia è stata effettuata tramite il codice di calcolo Paratie Plus.

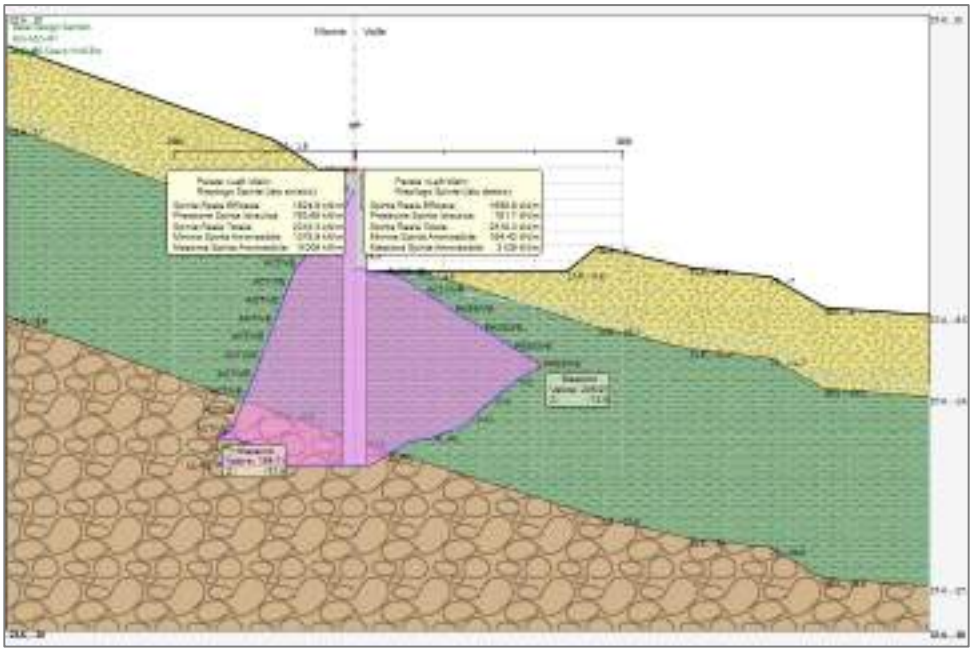


Figura 31 – Verifica sulla spinta mobilitata al piede delle paratia - configurazione finale (SLU)

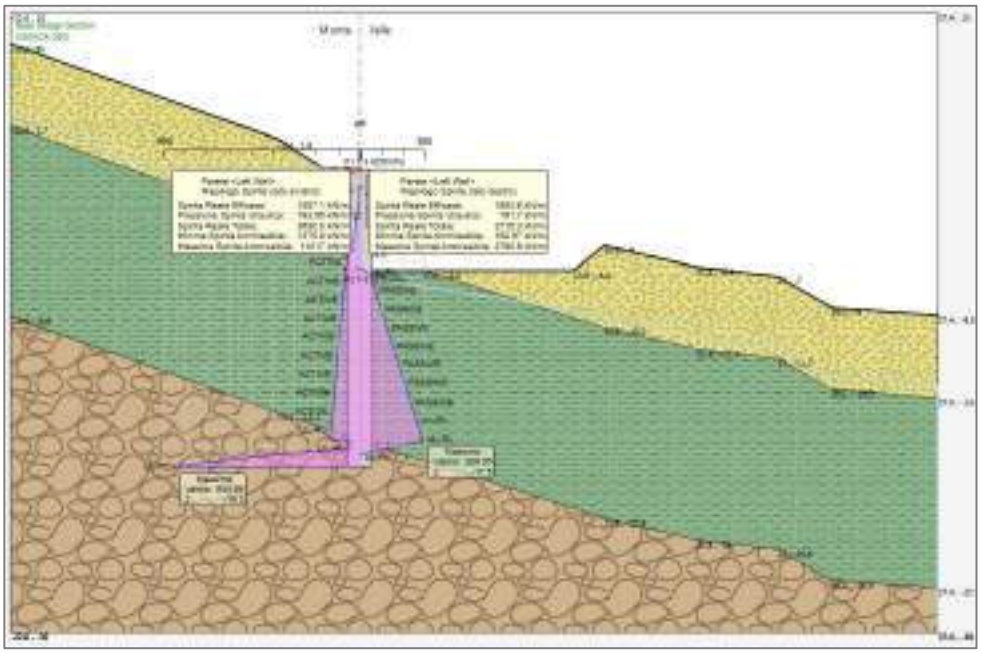


Figura 32– Verifica sulla spinta mobilitata al piede delle paratia - configurazione finale (SLV)

Tabella 23 Mobilitazione della spinta passiva al piede della paratia

	SLU (A2+M2+R1)	SLV (SISMICA GEO)
Rp (%)	50	71

11.3.3 Stima degli spostamenti della paratia

Nella seguente figura si riportano il grafico relativo agli spostamenti SLE nella configurazione finale in condizioni statiche.

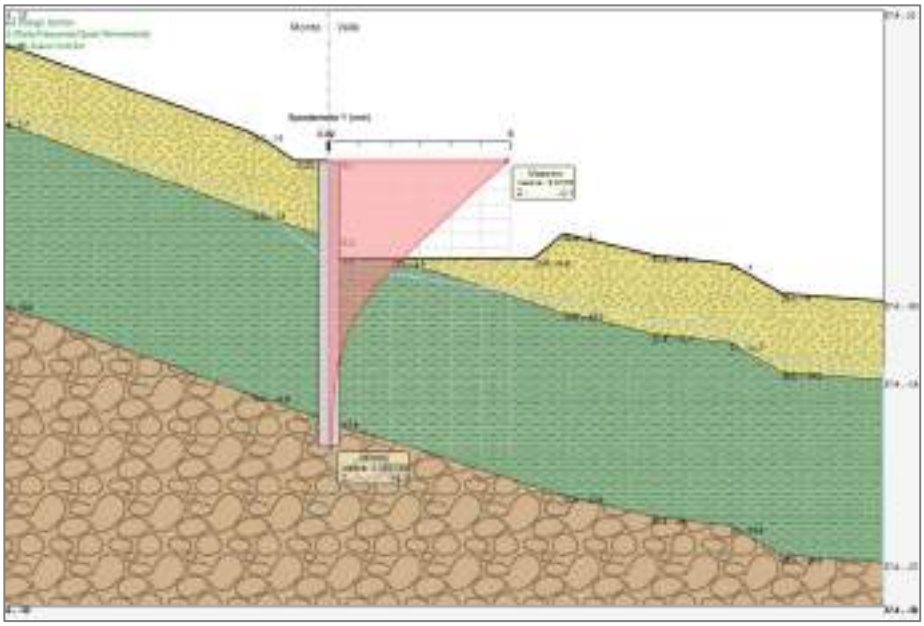


Figura 33 – Spostamenti della paratia – configurazione finale (SLE)

11.3.4 Stabilità globale

Nelle seguenti figure si riportano i risultati delle verifiche di stabilità globale per le condizioni statiche e sismiche.

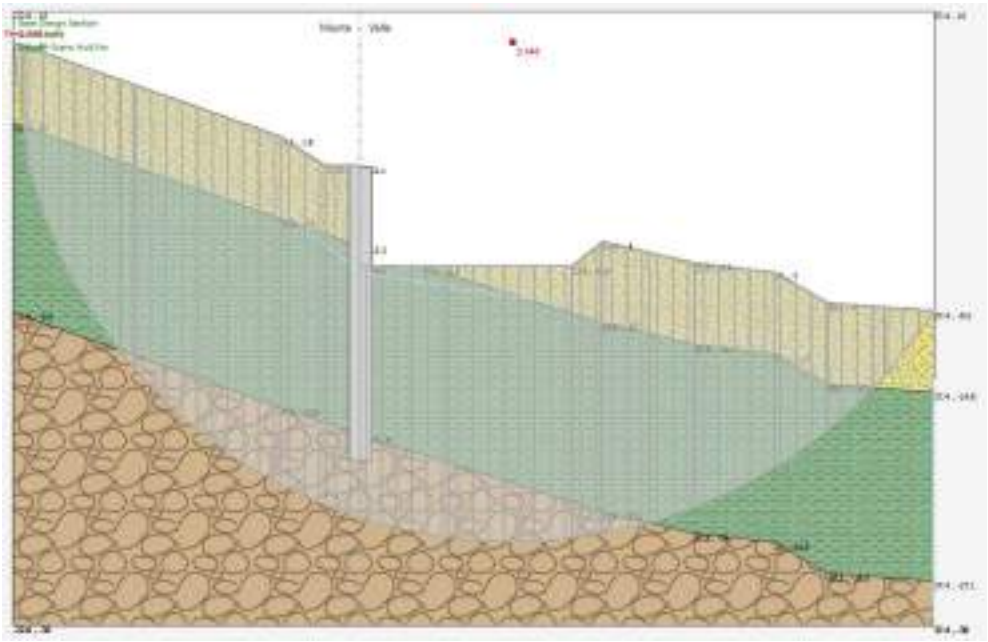


Figura 34 – Verifica di stabilità globale – configurazione finale (SLU)

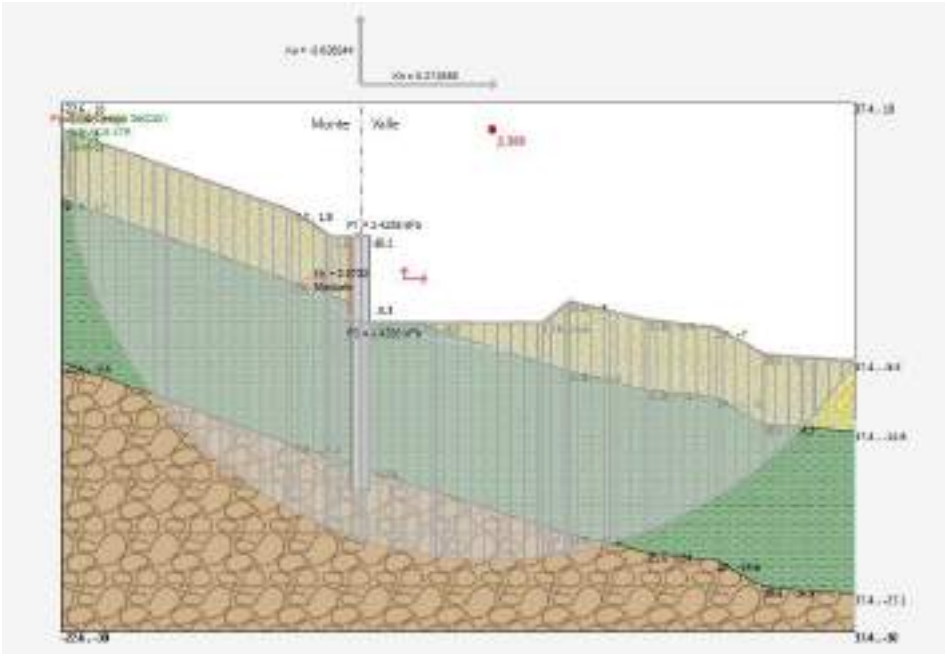


Figura 35 – Verifica di stabilità globale – configurazione finale (SLV kv-)

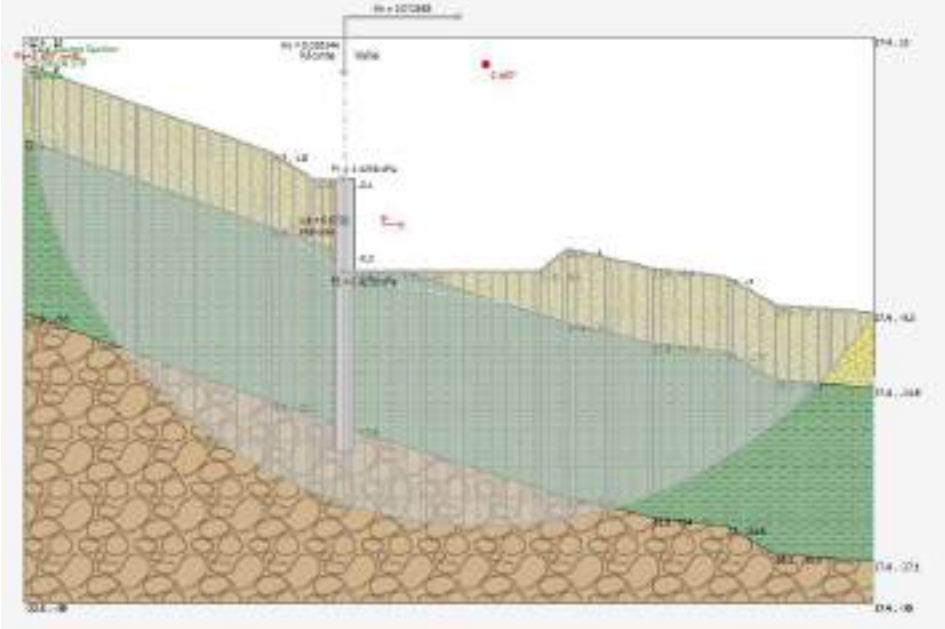


Figura 36 – Verifica di stabilità globale – configurazione finale (SLV kv-)

Dalle analisi eseguite, è stato ottenuto un coefficiente di sicurezza FS, relativo alla superficie di scorrimento considerata, superiore al valore del coefficiente parziale di resistenza che riduce la resistenza disponibile del terreno γ_R pari a 1.1, pertanto secondo quanto prescritto dalla normativa considerata, le verifiche di sicurezza risultano essere soddisfatte.

11.3.5 Verifiche strutturali

Per l'opera di sostegno, costituita da pali di diametro 1500m ad interasse 1.7m, si prevede la seguente armatura di calcolo:

- Armatura longitudinale: Gabbia sup.: 16Φ26mm, L = 5m;
  Gabbia intermedia: 16+16Φ26mm L= 12m;
  Gabbia inf.: 16Φ26mm, L = 4.7m fino a fine palo
- Armatura a taglio: Spirali sup.Φ16/20cm;
- Copriferro netto: 9cm.

Il quantitativo di armatura longitudinale è stato verificato nei rispetti dei requisiti minimi e massimi da normativa UNI EN 1536:2003 e NTC08.

In particolare:

$A_{s_{gabbia}} = 16\phi 26 = 0.008\, m^2$

$A_{s_{tesa}} = 11\phi 26 = 0.006\, m^2$ (ferri area tesa considerando asse neutro=38.6 cm)

$A_{s,min} = 0.26\frac{f_{ctm}}{fyk} \cdot b_t \cdot d = 0.0026\, m^2$ [4.1.6.1.1 NTC2008

$A_{s_{min}} = 0.0013 \cdot b_t \cdot d = 0.002\ m^2$ [4.1.6.1.1 NTC2008]

$A_{s,min} = 0.25\% \cdot A_c = 0.004\ m^2$ [7.6 UNI EN 1536]

$A_{s,max} = 0.04 \cdot A_c = 0.07\ m^2$ [4.1.6.1.1 NTC2008]

Con

bw= 1.232 m

d = 1.207 m

Per ulteriori dettagli si rimanda agli elaborati di carpenterie ed armature LO703213E16MU0032CPR01C e LO703213E16MU0032ARM01A.

La paratia è stata verificata per le seguenti combinazioni di carico:

Tabella 24 – Sollecitazioni verificate (gabbia inf. e sup.)

STATO LIMITE	N [kN]	M [kNm]	T [kN]
SLU	-	100	216
SLV	-	191	226
SLE	-	77	-

PRESSOFLESSIONE STATO LIMITE ULTIMO

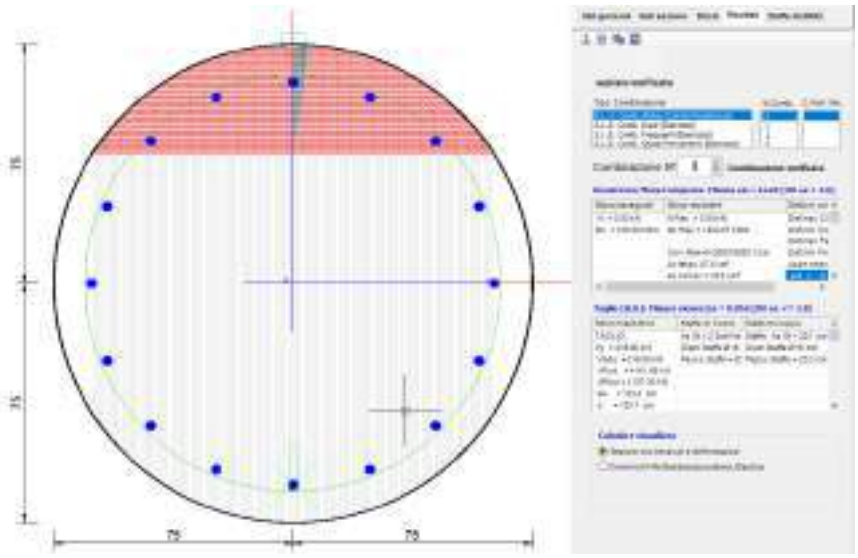


Figura 37 – Combinazione 1 (Mmax) – Gabbia inf. e sup. 16Φ26 – SLU

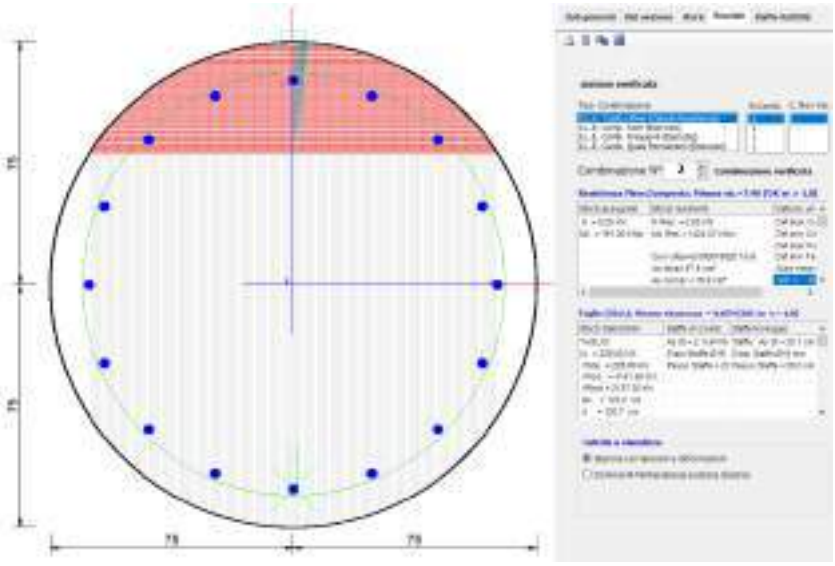


Figura 38 – Combinazione 2 (Mmax) – Gabbia inf. e sup. 16Φ26 – SLV

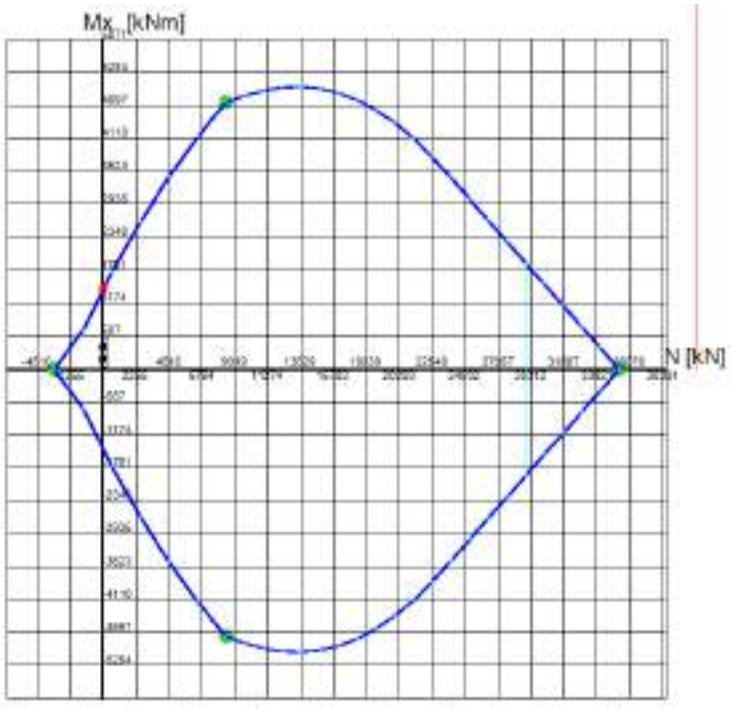


Figura 39 – Dominio M-N - Gabbia inf. e sup. 16Φ26 - SLU e SLV

Tabella 25 – Sollecitazioni verificate (gabbia intermedia)

STATO LIMITE	N [kN]	M [kNm]	T [kN]
SLU	-	709	216
SLV	-	923	226
SLE	428	546	-

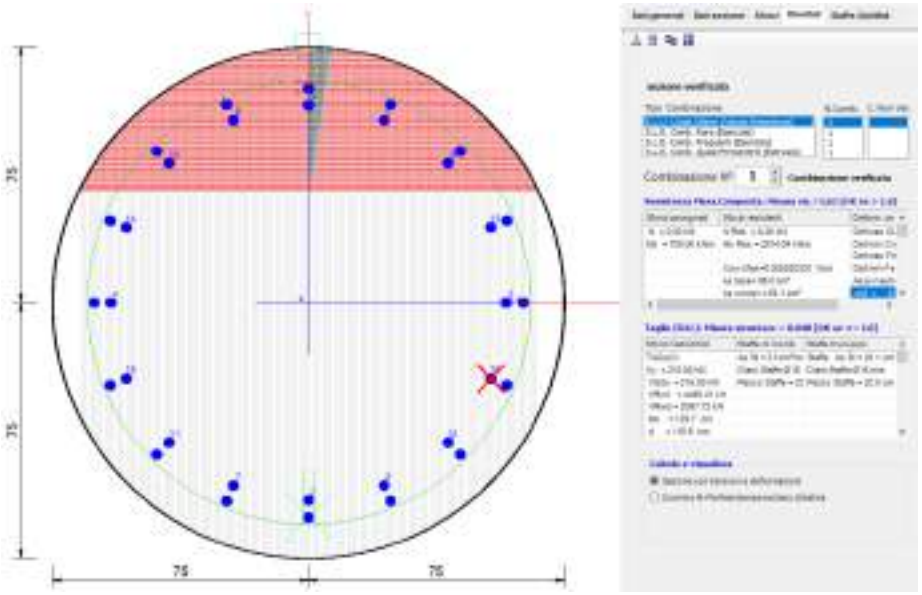


Figura 40 – Combinazione 1 (Mmax) – Gabbia intermedia 16+16Φ26 - SLU

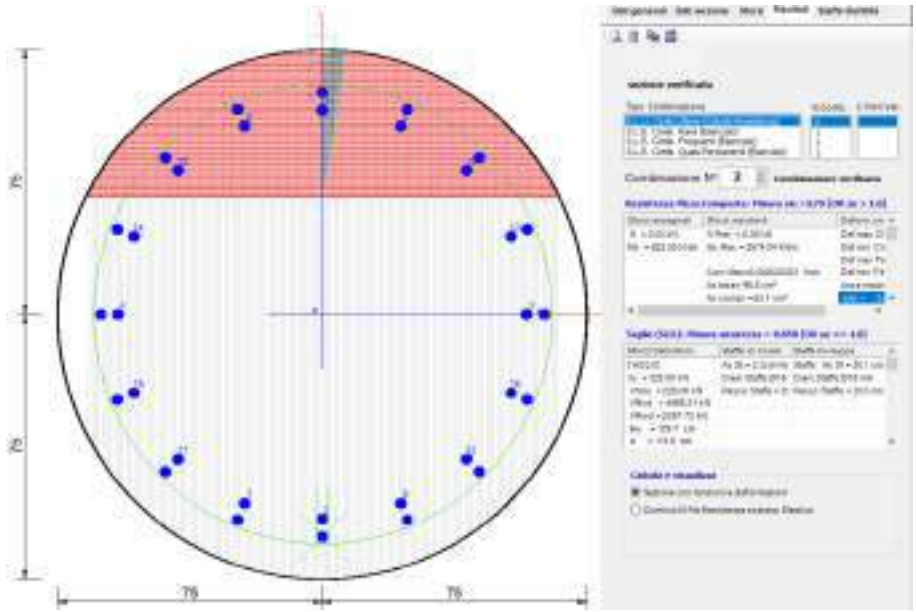


Figura 41 – Combinazione 2 (Mmax) – Gabbia intermedia 16+16Φ26 - SLV

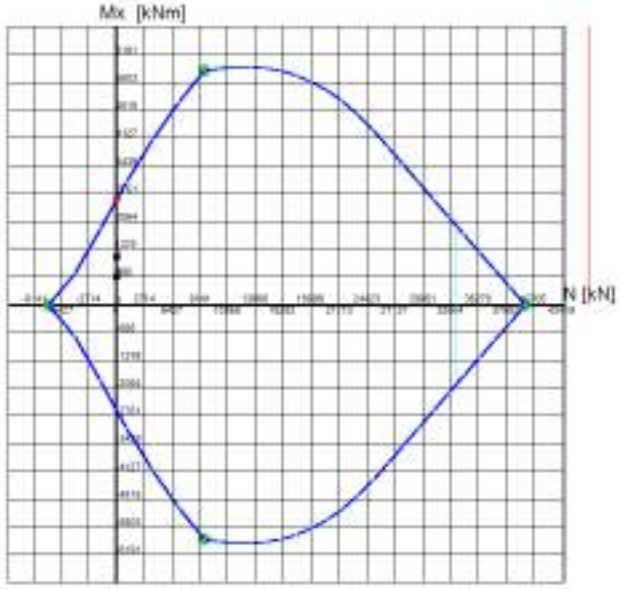


Figura 42 – Dominio M-N - Gabbia intermedia 16+16Φ26 – SLU e SLV

STATO LIMITE ESERCIZIO

Di seguito sono riportate le massime sollecitazioni nelle barre e nel calcestruzzo durante le fasi di esercizio e l'apertura massima delle fessure nella sezione maggiormente sollecitata del palo.

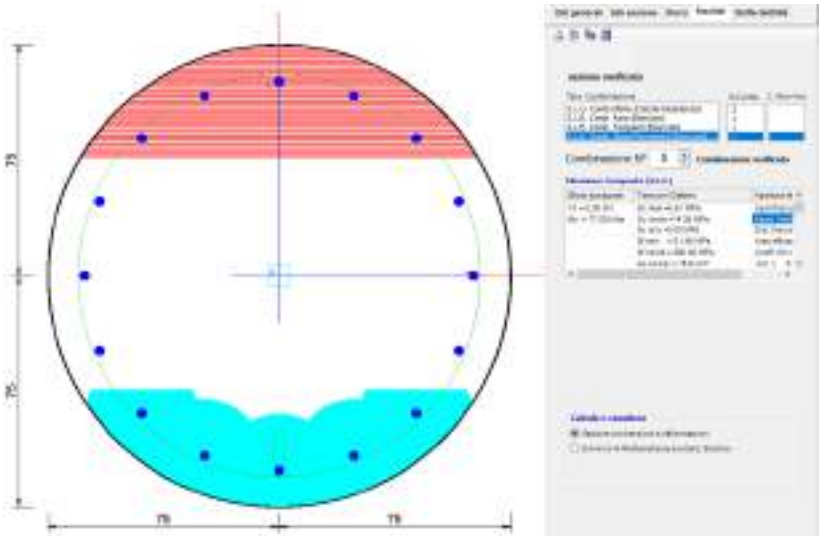


Figura 43 – Combinazione 3 Gabbia sup. e inf. 16Φ26 – SLE – Verifiche di fessurazione e di tensione sulle barre

Tabella 26 – Verifica tensioni (gabbia sup. e inf.)

COMBINAZIONE	TENSIONI ESERCIZIO	TENSIONI AMMISSIBILI
S.L.E. RARA	σs = 21.46 MPa	360 MPa
	σc = 0.51 MPa	19.18 MPa
S.L.E. QUASI PERMAMENTE	σs = 21.46 MPa	360 MPa
	σc = 0.51 MPa	14.38 MPa

Tabella 27 – Verifica apertura fessure (gabbia inf. e sup.)

COMBINAZIONE	MAX. APERTURA	FESSURA LIMITE
S.L.E. FREQUENTE	0.080 mm	0.3 mm
S.L.E. QUASI PERMANENTE	0.080 mm	0.2 mm

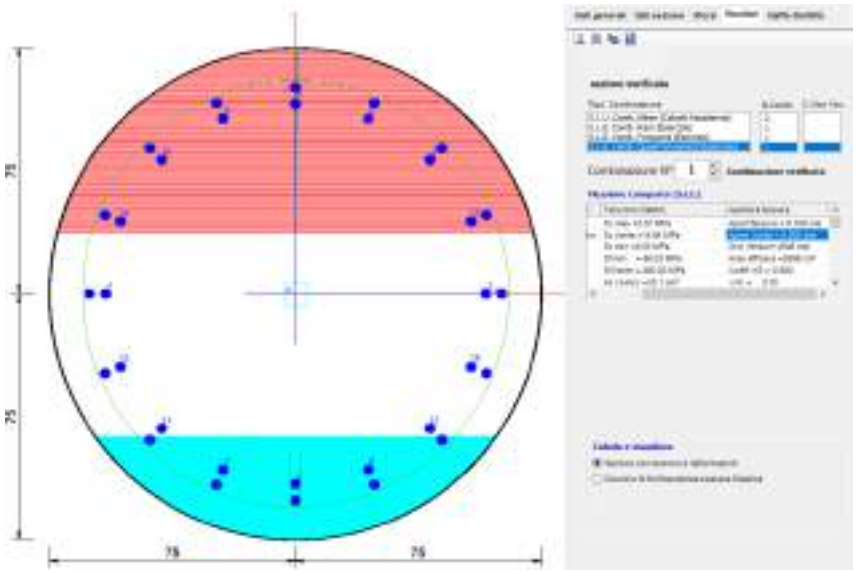


Figura 44 – Combinazione 3 – Gabbia intermedia 16+16Φ26 - SLE – Verifiche di fessurazione e di tensione sulle barre

Tabella 28 – Verifica tensioni (gabbia intermedia)

COMBINAZIONE	TENSIONI ESERCIZIO	TENSIONI AMMISSIBILI
S.L.E. RARA	σs = 56.03 MPa	360 MPa
	σc = 2.57 MPa	19.18 MPa
S.L.E. QUASI PERMAMENTE	σs = 56.03 MPa	360 MPa
	σc = 2.57 MPa	14.38 MPa

Tabella 29 – Verifica apertura fessure (gabbia intermedia)

COMBINAZIONE	MAX. APERTURA	FESSURA LIMITE
S.L.E. FREQUENTE	0.109 mm	0.3 mm
S.L.E. QUASI PERMANENTE	0.109 mm	0.2 mm

11.4 RISULTATI DELLE ANALISI: SEZIONE PARATIA 3

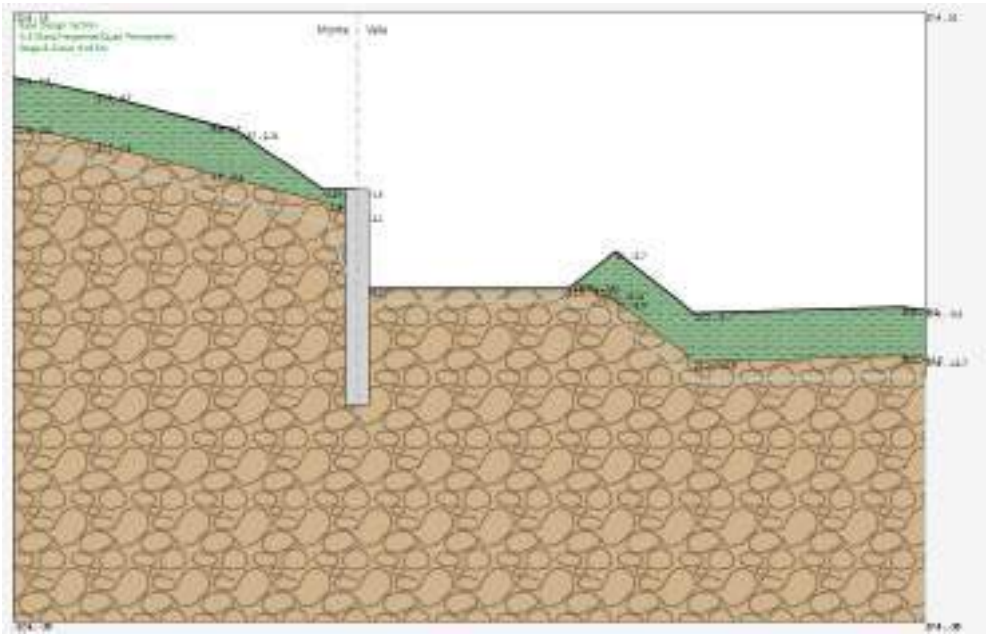


Figura 45 Modello di calcolo Paratie Plus

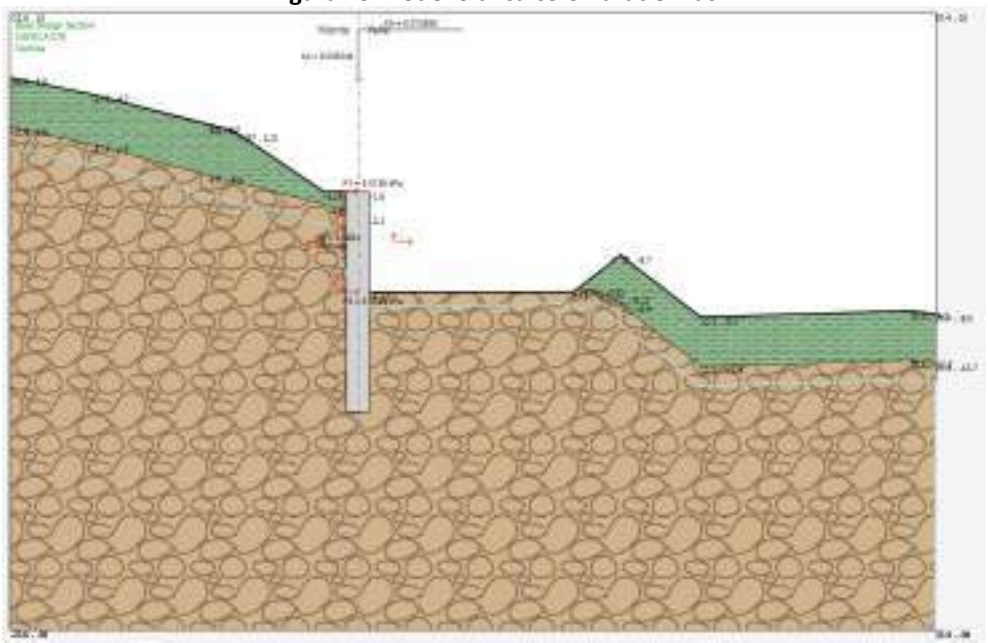


Figura 46 Modello di calcolo Paratie Plus - condizionin sismiche

11.4.1 Sollecitazioni nella paratia

Si presentano di seguito i risultati delle analisi per quanto riguarda le sollecitazioni nella paratia. Le figure seguenti riportano una rappresentazione della sezione analizzata e le sollecitazioni nella paratia in SLU e SLV.

Le analisi agli SLV sono state eseguite considerando i parametri di progetto dell'azione sismica definiti nel caso di categoria di sottosuolo di tipo B.

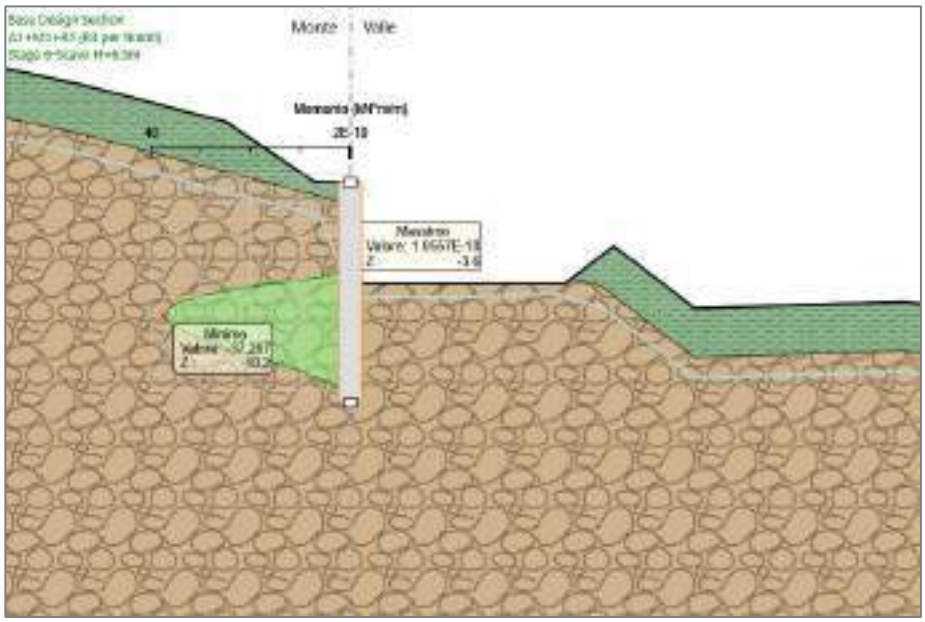


Figura 47 – Momento flettente nella paratia - configurazione finale (SLU

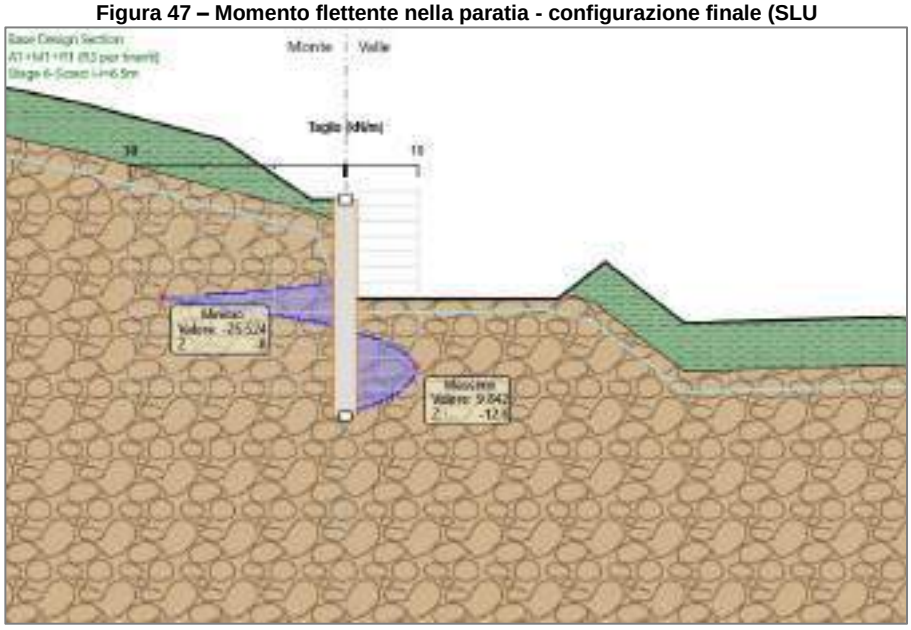


Figura 48 – Taglio nella paratia - configurazione finale (SLU)

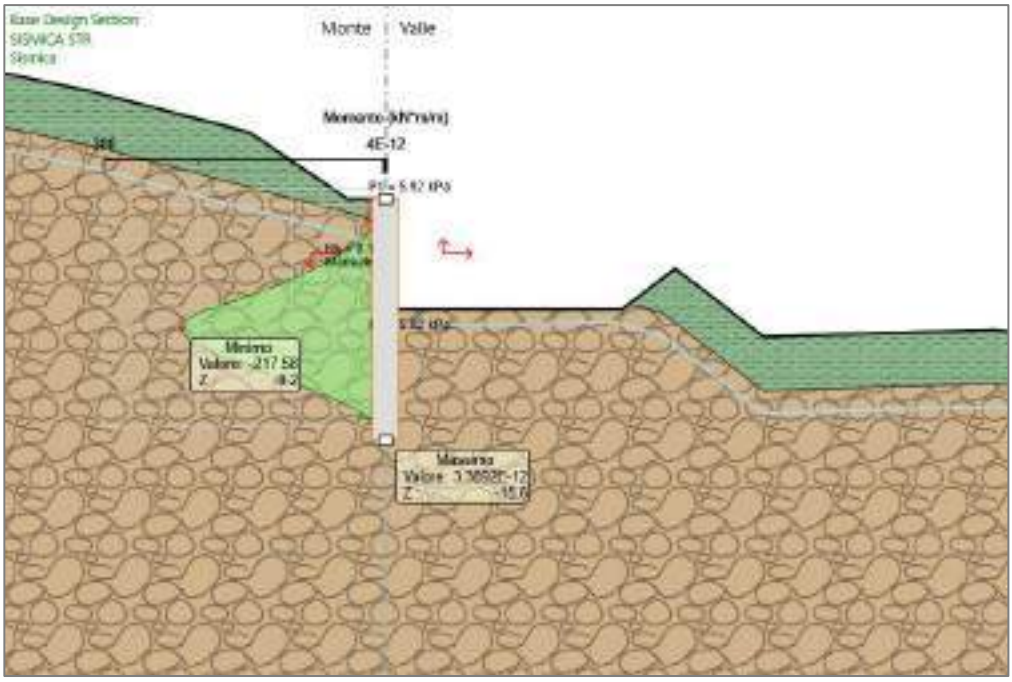


Figura 49– Momento flettente nella paratia - configurazione finale (SLV)

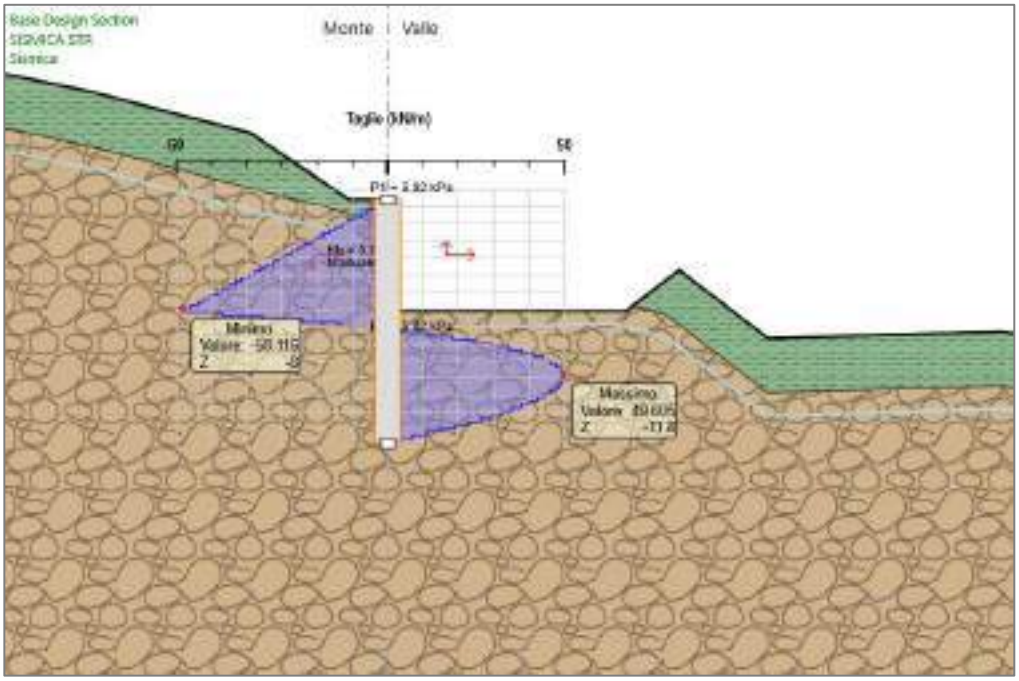


Figura 50– Taglio nella paratia - configurazione finale (SLV)

11.4.2 Verifica sulla spinta mobilitata al piede della paratia

La verifica sulla quota parte di spinta passiva mobilitata al piede della paratia è stata effettuata tramite il codice di calcolo Paratie Plus.

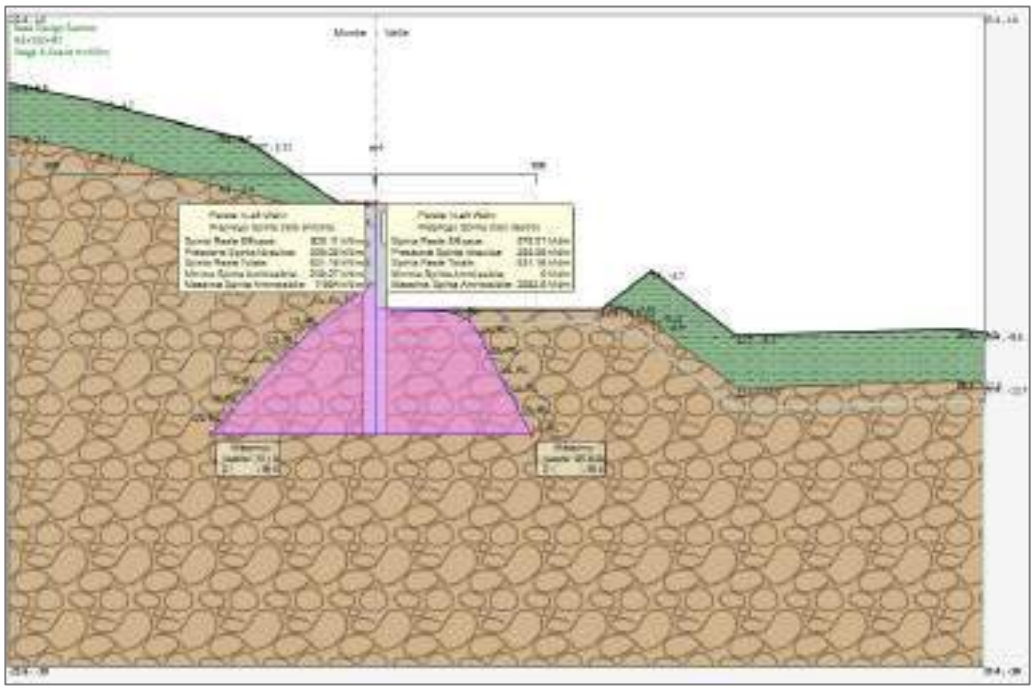


Figura 51 – Verifica sulla spinta mobilitata al piede delle paratia - configurazione finale (SLU)

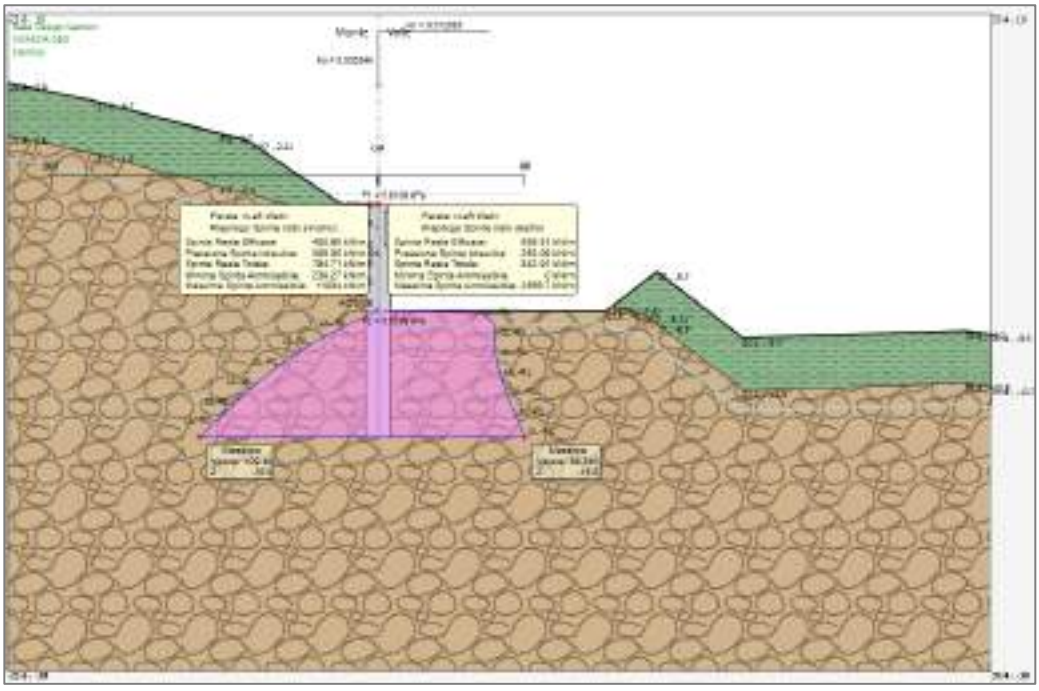


Figura 52– Verifica sulla spinta mobilitata al piede delle paratia - configurazione finale (SLV)

Tabella 30 Mobilitazione della spinta passiva al piede della paratia

	SLU (A2+M2+R1)	SLV (SISMICA GEO)
Rp (%)	20	23

11.4.3 Stima degli spostamenti della paratia

Nella seguente figura si riporta il grafico relativo agli spostamenti SLE nella configurazione finale in condizioni statiche.

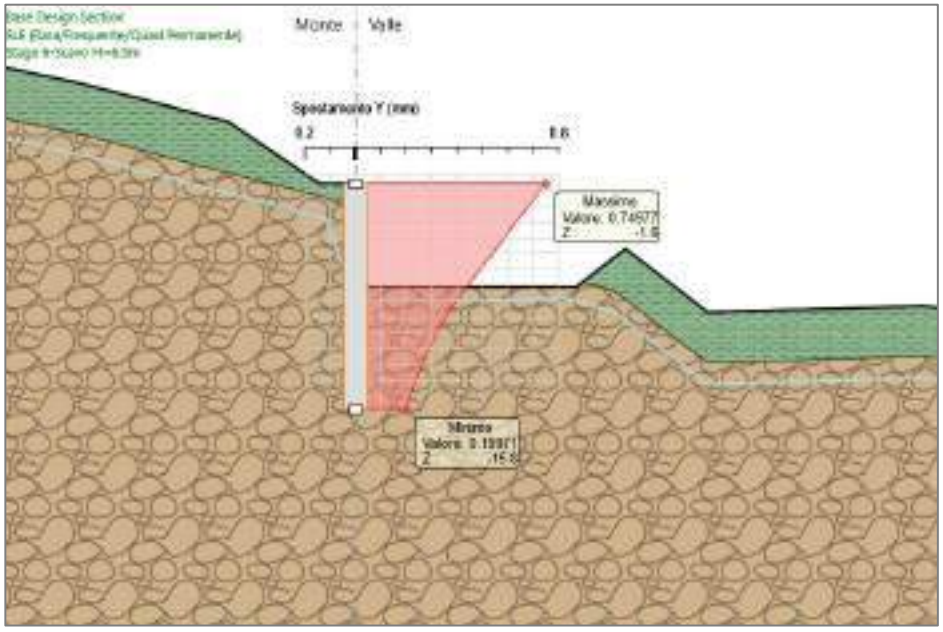


Figura 53 – Spostamenti della paratia – configurazione finale (SLE)

11.4.4 Stabilità globale

Nelle seguenti figure si riportano i risultati delle verifiche di stabilità globale per le condizioni statiche e sismiche.

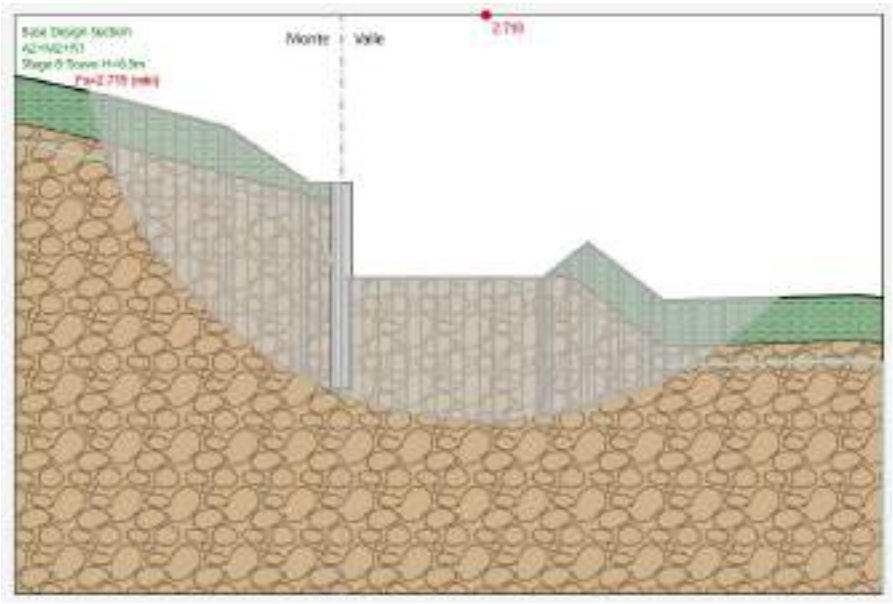


Figura 54 – Verifica di stabilità globale – configurazione finale (SLU)

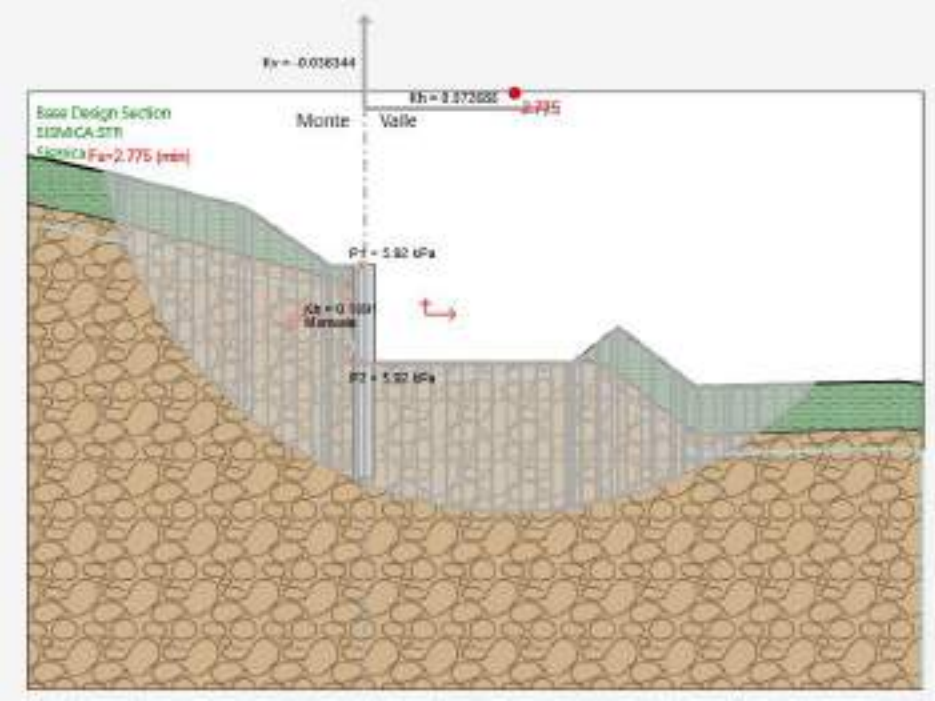


Figura 55 – Verifica di stabilità globale – configurazione finale (SLV kv-)

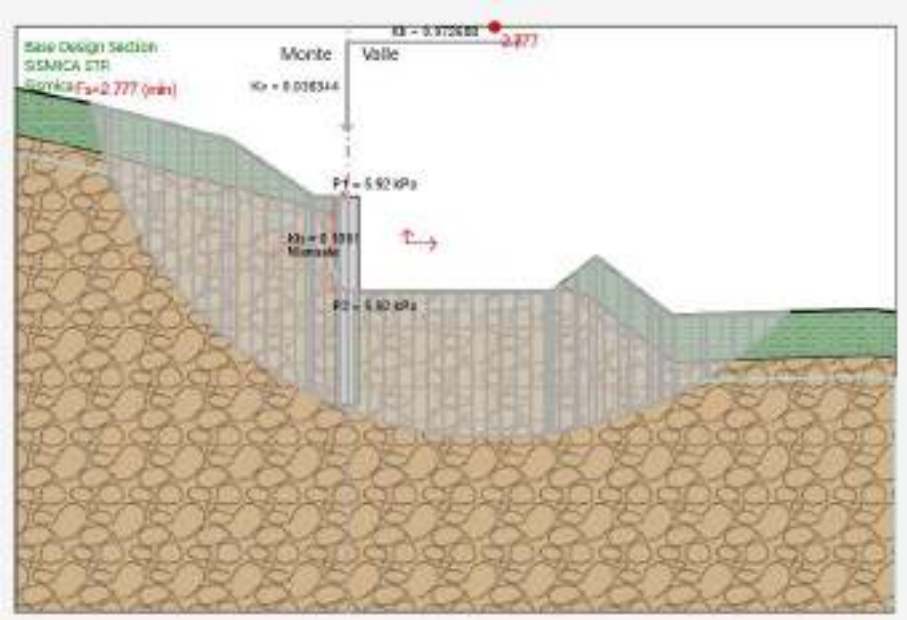


Figura 56 – Verifica di stabilità globale – configurazione finale (SLV kv+)

Dalle analisi eseguite, è stato ottenuto un coefficiente di sicurezza FS, relativo alla superficie di scorrimento considerata, superiore al valore del coefficiente parziale di resistenza che riduce la resistenza disponibile del terreno γ_R pari a 1.1, pertanto secondo quanto prescritto dalla normativa considerata, le verifiche di sicurezza risultano essere soddisfatte.

11.4.5 Verifiche strutturali

Per l'opera di sostegno, costituita da pali di diametro 1500m ad interasse 1.7m, si prevede la seguente armatura di calcolo:

- Armatura longitudinale: Gabbia: 16Φ26mm
- Armatura a taglio: Spirali: Φ16/20cm;
- Copriferro netto: 9cm.

Il quantitativo di armatura longitudinale è stato verificato nei rispetti dei requisiti minimi e massimi da normativa UNI EN 1536:2003 e NTC08.

In particolare

$A_{s_{gabbia}} = 16\phi 26 = 0.008\, m^2$

$A_{s_{tesa}} = 11\phi 26 = 0.006\, m^2$ (ferri area tesa considerando asse neutro=38.6 cm)

$A_{s,min} = 0.26\frac{f_{ctm}}{fyk} \cdot b_t \cdot d = 0.0026\, m^2$ [4.1.6.1.1 NTC2008

$A_{s_{min}} = 0.0013 \cdot b_t \cdot d = 0.002\, m^2$[4.1.6.1.1 NTC2008]

$A_{s,min} = 0.25\% \cdot A_c = 0.004\, m^2$ [7.6 UNI EN 1536]

$A_{s,max} = 0.04 \cdot A_c = 0.07\ m^2$ [4.1.6.1.1 NTC2008]

Con

bw= 1.232 m

d = 1.207 m

Per ulteriori dettagli si rimanda agli elaborati di carpenterie ed armature LO703213E16MU0032CPR01C e LO703213E16MU0032ARM01A.

La paratia è stata verificata per le seguenti combinazioni di carico:

Tabella 31 – Sollecitazioni verificate

STATO LIMITE	N [kN]	M [kNm]	T [kN]
SLU	-	63	43
SLV	-	370	99
SLE	-	49	-

PRESSOFLESSIONE STATO LIMITE ULTIMO

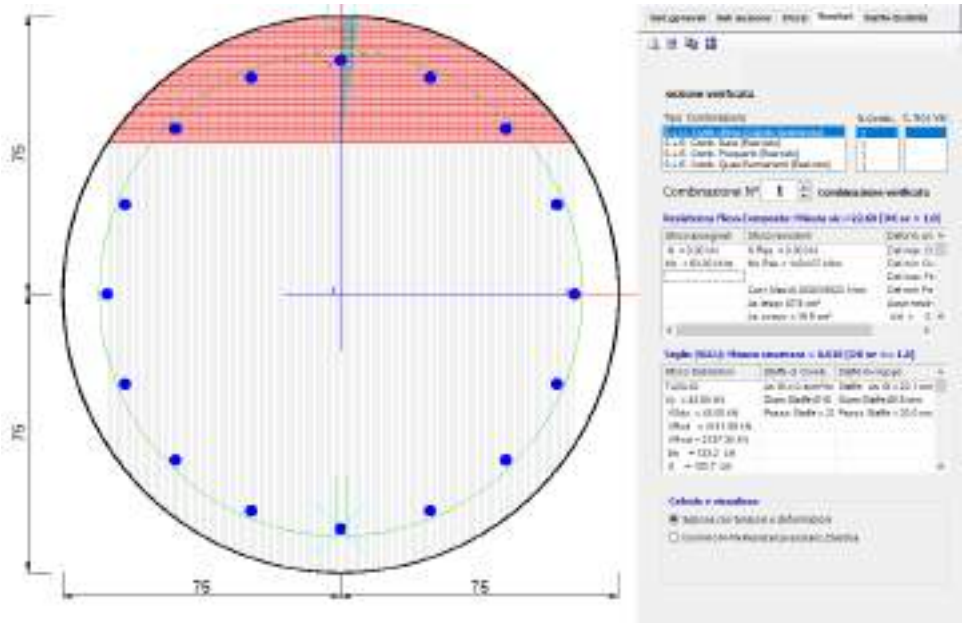


Figura 57 – Combinazione 1 (Mmax) - Gabbia 16Φ26 – SLU

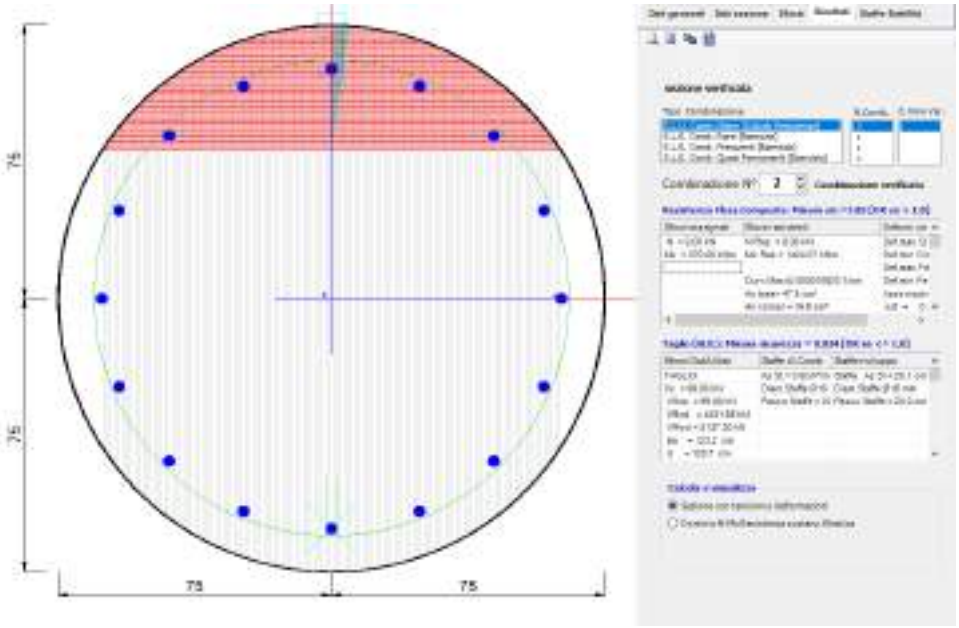


Figura 58 – Combinazione 2 (Mmax) – Gabbia 16Φ26 – SLV

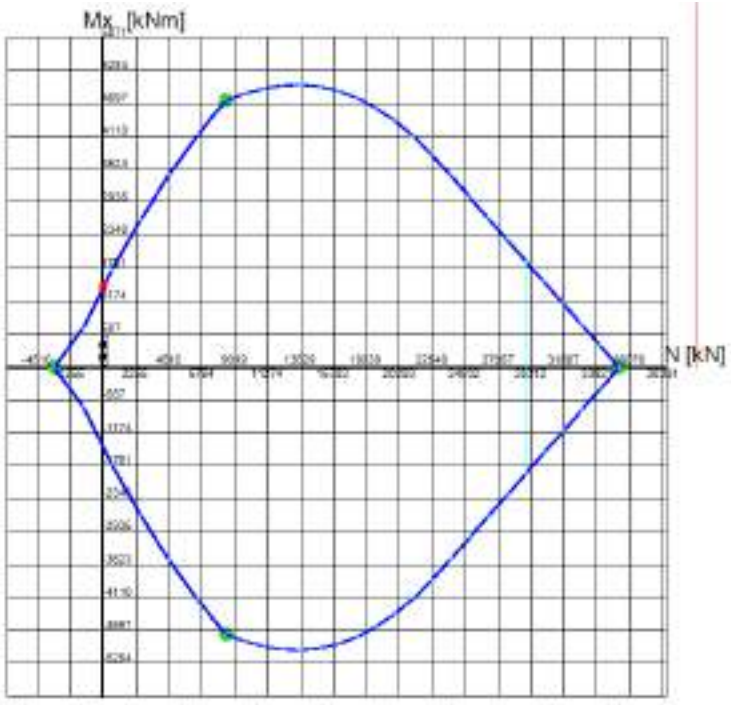


Figura 59 – Dominio M-N - Gabbia 16Φ26 - SLU e SLV

STATO LIMITE ESERCIZIO

Di seguito sono riportate le massime sollecitazioni nelle barre e nel calcestruzzo durante le fasi di esercizio e l'apertura massima delle fessure nella sezione maggiormente sollecitata del palo.

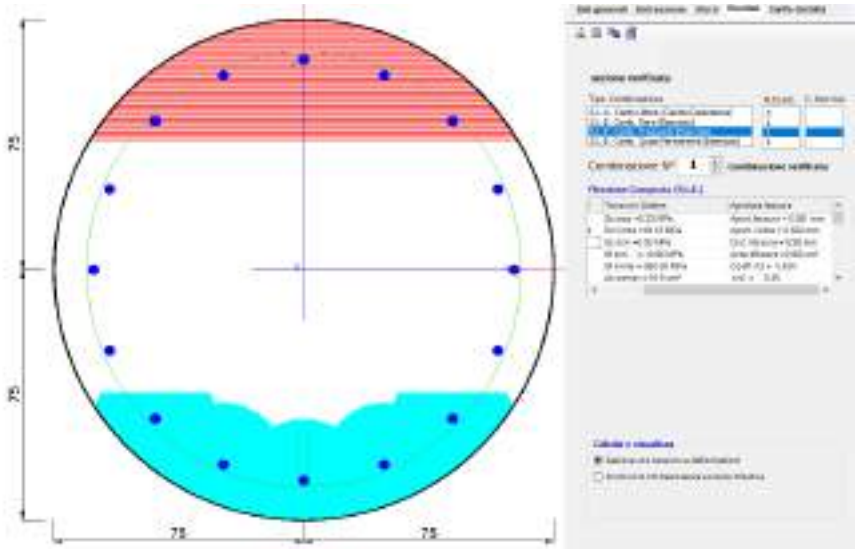


Figura 60 – Combinazione 3 16Φ26. – SLE – Verifiche di fessurazione e di tensione sulle barre

Tabella 32 – Verifica tensioni

COMBINAZIONE	TENSIONI ESERCIZIO	TENSIONI AMMISSIBILI
S.L.E. RARA	σs = 13.66MPa	360 MPa
	σc = 0.33 MPa	19.18 MPa
S.L.E. QUASI PERMAMENTE	σs = 13.66MPa	360 MPa
	σc = 0.33 MPa	14.38 MPa

Tabella 33 – Verifica apertura fessure

COMBINAZIONE	MAX. APERTURA	FESSURA LIMITE
S.L.E. FREQUENTE	0.051mm	0.3 mm
S.L.E. QUASI PERMANENTE	0.051 mm	0.2 mm

11.1 VERIFICHE STRUTTURALI DELLA TRAVE DI CORONAMENTO

Per la verifica strutturale della trave di coronamento si considera, cautelativamente, che 1 palo non contribuisca al contenimento delle spinte. Ipotizzando uno schema di trave incastrata alle estremità, di luce pari a 3.4m, si ricavano le sollecitazioni con cui effetturare le verifiche (in condizioni SLU).

Risulta:

$$q = V_{max} = 132 \frac{kN}{m}$$

$$M = \frac{q \cdot i^2}{12} = 127\ kNm$$

$V = 0.5 \cdot q \cdot i = 224.4kN$

Per la trave di coronamento, di altezza pari a 120 cm e larghezza pari a 180 cm, si prevede la seguente armatura di calcolo:

- Armatura longitudinale: 7Φ26mm;
- Staffe: Φ14/15cm;
- Copriferro netto: 5cm.

Il copriferro netto è stato calcolato considerando i limiti per le travi su terreno preparato secondo quanto riportanto in normativa quantitativi di armatura soddisfano i requisiti da normativa UNI EN 1536:2003 e ENV 1992-1-1.

$$c_{nom} = c_{min} + \Delta_c = 40mm + 10mm = 50\ mm$$

Il quantitativo di armatura longitudinale è stato verificato nei rispetti dei requisiti minimi e massimi da normativa UNI EN 1536:2003 e NTC08.

In particolare:

$A_s = 7\phi 26 = 0.004\ m^2$

$A_{s,min} = 0.26 \frac{f_{ctm}}{fyk} \cdot b_t \cdot d = 0.0036\ m^2$ [4.1.6.1.1 NTC2008]

$A_{s_{min}} = 0.0013 \cdot b_t \cdot d = 0.0027\ m^2$ [4.1.6.1.1 NTC2008]

$A_{s,max} = 0.04 \cdot A_c = 0.086\ m^2$ [4.1.6.1.1 NTC2008]

Con

b = 1.2 m

d = 1.72 m

Il quantitativo di armatura trasversale è stato verificato nei rispetti dei requisiti minimi da normativa NTC08.

$$A_{sw} = 2 \text{ bracci } \phi 14/15 = 2051\ \frac{mm^2}{m}$$

$$A_{sw,min} = 1.5\ b = 1800\ \frac{mm^2}{m}$$

Per ulteriori dettagli si rimanda agli elaborati di armatura del cordolo (LO703213E16MU0032ARM02A).

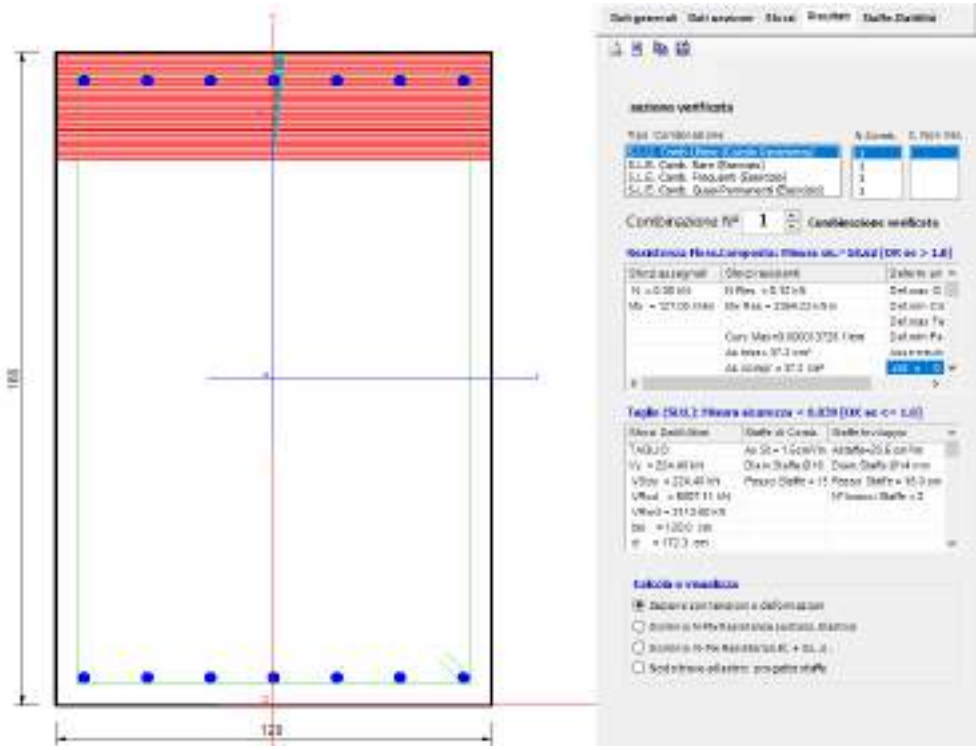


Figura 61 – Verifiche armatura cordolo - SLU

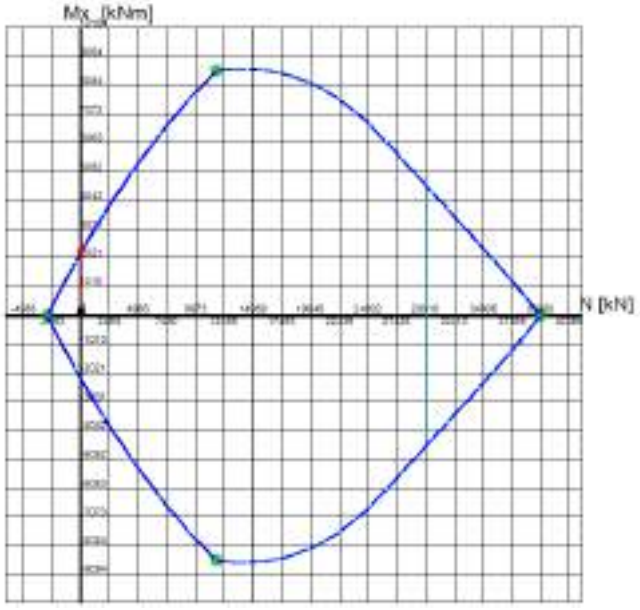


Figura 62 – Dominio N-M cordolo

Tabella 34 – Verifica tensioni

COMBINAZIONE	TENSIONI ESERCIZIO	TENSIONI AMMISSIBILI
S.L.E. RARA	σs = 26.58 MPa	360 MPa
	σc = 0.41 MPa	19.18 MPa
S.L.E. QUASI PERMAMENTE	σs = 26.58 MPa	360 MPa
	σc = 0.41 MPa	14.38 MPa

Tabella 35 – Verifica apertura fessure

COMBINAZIONE	MAX. APERTURA	FESSURA LIMITE
S.L.E. FREQUENTE	0.036 mm	0.3 mm
S.L.E. QUASI PERMANENTE	0.036 mm	0.2 mm

Le verifiche risultano soddisfatte.

12. CONCLUSIONI

La presente relazione tecnica e di calcolo riassume i criteri di dimensionamento, le analisi e le verifiche condotte sulle opere di stabilità profonda dei terreni di fondazione del rilevato da progressiva 5+985 a progressiva 9+684 dei Lotti 3 e 4 dell'opera Pedemontana delle Marche.

Le verifiche geotecniche e strutturali in condizioni provvisorie risultano soddisfatte per gli stati limite considerati secondo le normative di riferimento.

APPENDICE A

REPORT DI CALCOLO VERIFICHE GEOTECNICHE

APPENDICE B

REPORT DI CALCOLO VERIFICHE STRUTTURALI

PARATIE plus™

Report di Calcolo

Sommario
Contenuto Sommario

1. Descrizione del Software

ParatiePlus è un codice agli elementi finiti che simula il problema di uno scavo sostenuto da diaframmi flessibili e permette di valutare il comportamento della parete di sostegno durante tutte le fasi intermedie e nella configurazione finale.

2. Descrizione della Stratigrafia e degli Strati di Terreno

Tipo : POLYLINE
Punti
(-22.6;7.6)
(-11.9;3.7)
(-5.2;1.6)
(0;0)
(13.6;-4)
(18.6;-5.5)
(32.8;-8.3)
(37.4;-8.6)
(37.4;-30)
(-22.6;-30)
OCR : 1

Tipo : POLYLINE
Punti
(-22.6;3.1)
(-11.9;-0.8)
(-5.2;-2.9)
(0;-4.5)
(13.6;-8.5)
(18.6;-10)
(32.8;-12.8)
(37.4;-13.1)
(37.4;-30)
(-22.6;-30)
OCR : 1

Tipo : POLYLINE
Punti
(-22.6;-6.3)
(-11.9;-10.2)
(-5.2;-12.3)
(0;-13.9)
(13.6;-17.9)
(18.6;-19.4)
(32.8;-22.2)
(37.4;-22.5)
(37.4;-30)
(-22.6;-30)
OCR : 1

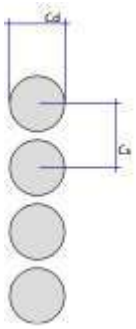
Tipo : POLYLINE
Punti
(-22.6;-25)
(37.4;-25)

(37.4;-30)
(-22.6;-30)
OCR : 1

3. Descrizione Pareti

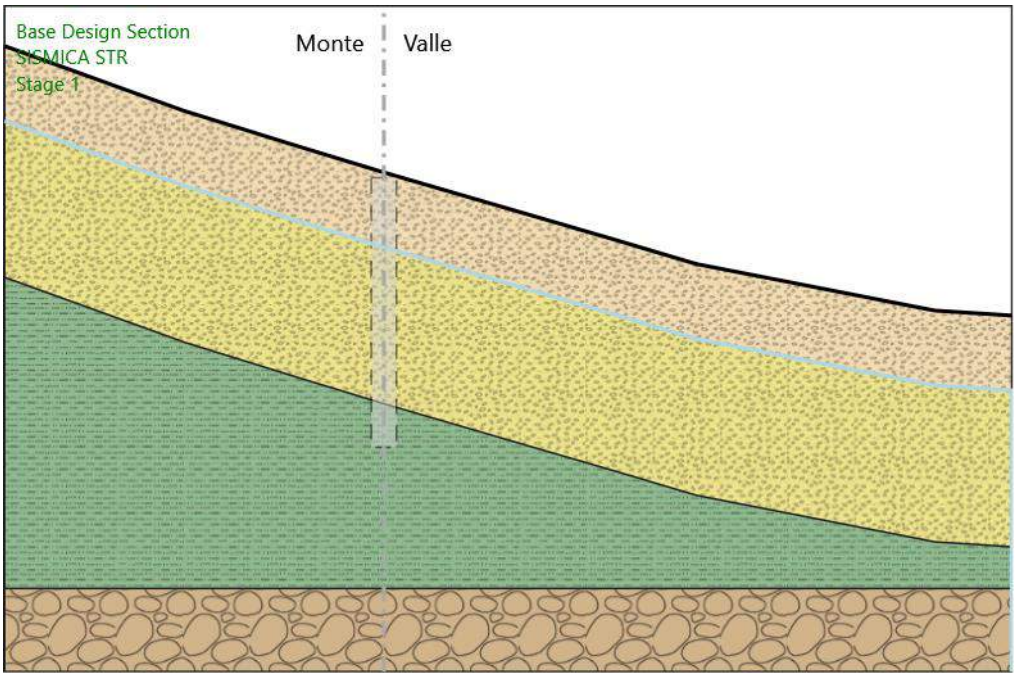
X : 0 m
Quota in alto : -0.32 m
Quota di fondo : -16.52 m
Muro di sinistra

Sezione : Pali1500
Area equivalente : 1.03949756920251 m
Inerzia equivalente : 0.1462 m^4/m
Materiale calcestruzzo : C32/40
Tipo sezione : Tangent
Spaziatura : 1.7 m
Diametro : 1.5 m
Efficacia : 1



4. Fasi di Calcolo

4.1. Stage 1



Stage 1

Scavo

Muro di sinistra

Lato monte : 0 m

Lato valle : 0 m

Linea di scavo di sinistra (Irregolare)

(-22.6;7.6)

(-11.9;3.7)

(-5.2;1.6)

(0;0)

Linea di scavo di destra (Irregolare)

(0;0)

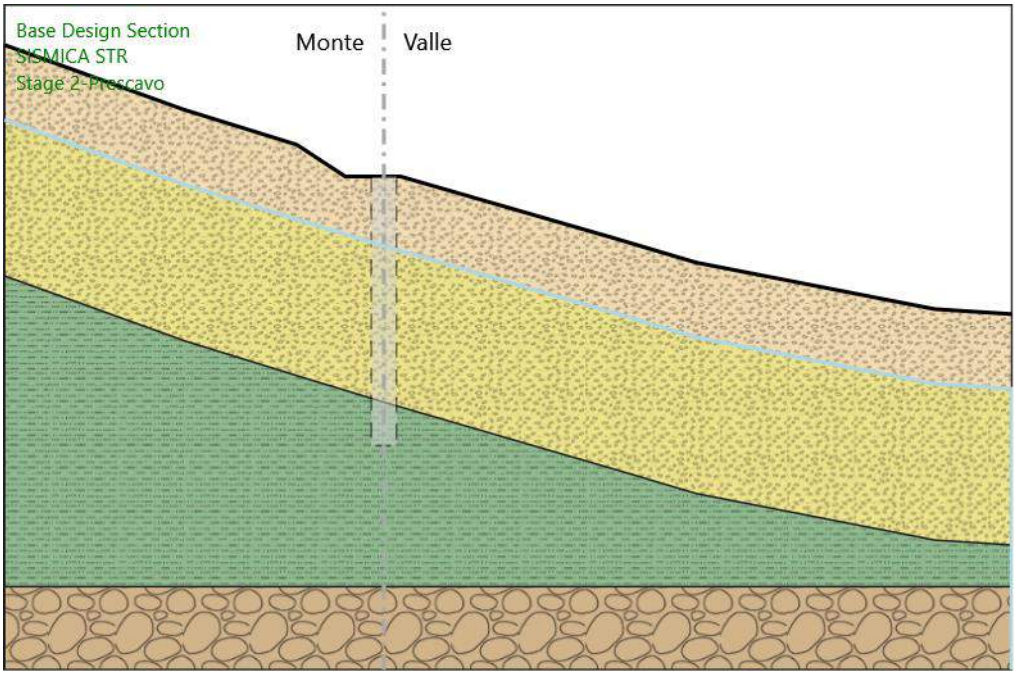
(13.6;-4)

(18.6;-5.5)

(32.8;-8.3)

(37.4;-8.6)

4.2. Stage 2-Prescavo



Stage 2-Prescavo

Scavo

Muro di sinistra

Lato monte : -0.32 m

Lato valle : -0.32 m

Linea di scavo di sinistra (Irregolare)

(-22.6;7.6)

(-11.9;3.7)

(-5.2;1.6)

(-2.3;-0.32)

(0;-0.32)

Linea di scavo di destra (Irregolare)

(0;-0.32)

(1;-0.32)

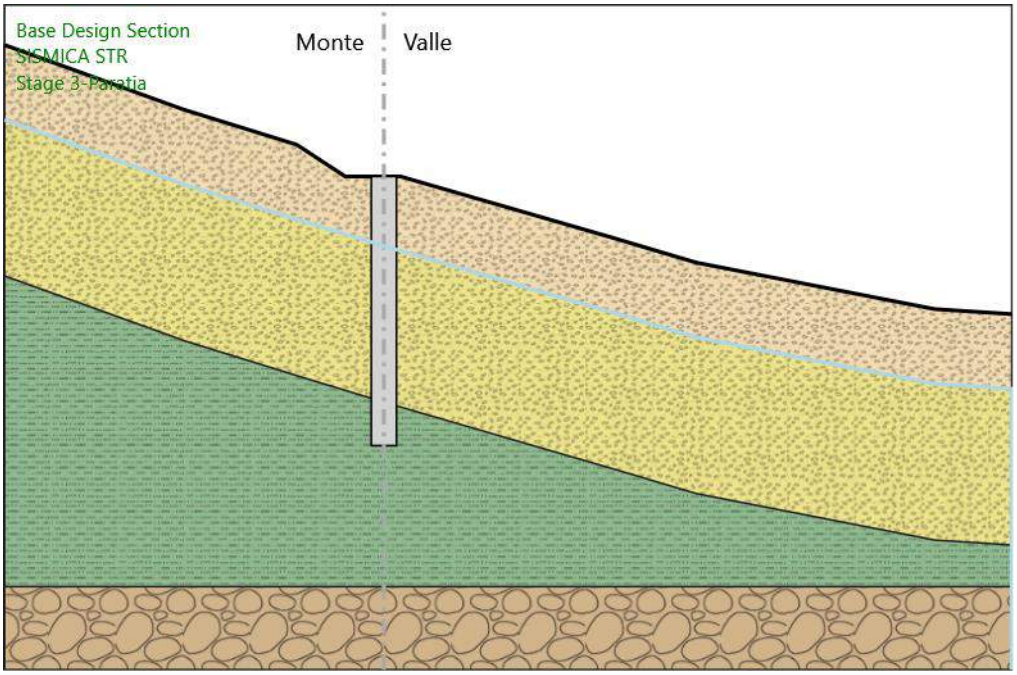
(13.6;-4)

(18.6;-5.5)

(32.8;-8.3)

(37.4;-8.6)

4.3. Stage 3-Paratia



Stage 3-Paratia

Scavo

Muro di sinistra

Lato monte : -0.32 m

Lato valle : -0.32 m

Linea di scavo di sinistra (Irregolare)

(-22.6;7.6)

(-11.9;3.7)

(-5.2;1.6)

(-2.3;-0.32)

(0;-0.32)

Linea di scavo di destra (Irregolare)

(0;-0.32)

(1;-0.32)

(13.6;-4)

(18.6;-5.5)

(32.8;-8.3)

(37.4;-8.6)

Elementi strutturali

Paratia : WallElement

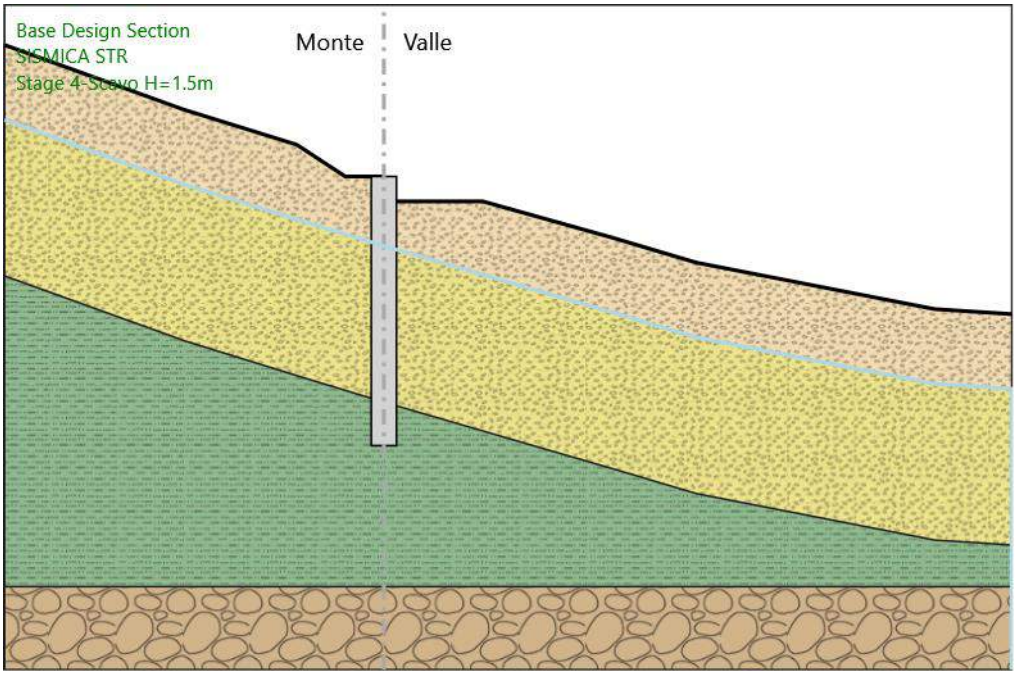
X : 0 m

Quota in alto : -0.32 m

Quota di fondo : -16.52 m

Sezione : Pali1500

4.4. Stage 4-Scavo H=1.5m



Stage 4-Scavo H=1.5m

Scavo

Muro di sinistra

Lato monte : -0.32 m

Lato valle : -1.82 m

Linea di scavo di sinistra (Irregolare)

(-22.6;7.6)

(-11.9;3.7)

(-5.2;1.6)

(-2.3;-0.32)

(0;-0.32)

Linea di scavo di destra (Irregolare)

(0;-1.82)

(5.9;-1.82)

(13.6;-4)

(18.6;-5.5)

(32.8;-8.3)

(37.4;-8.6)

Elementi strutturali

Paratia : WallElement

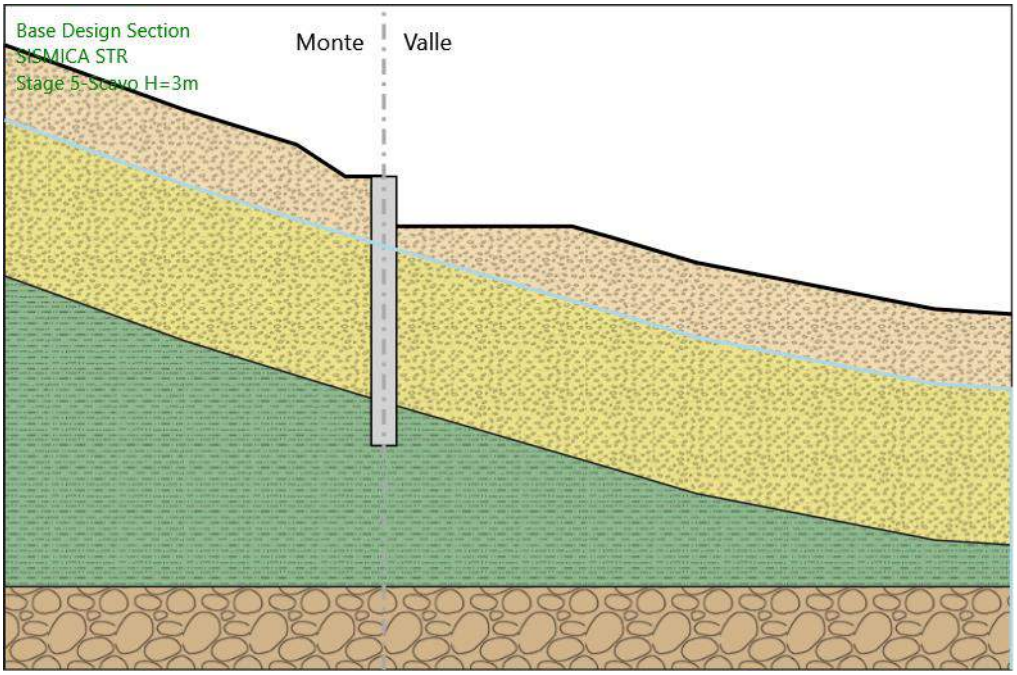
X : 0 m

Quota in alto : -0.32 m

Quota di fondo : -16.52 m

Sezione : Pali1500

4.5. Stage 5-Scavo H=3m



Stage 5-Scavo H=3m

Scavo

Muro di sinistra

Lato monte : -0.32 m

Lato valle : -3.32 m

Linea di scavo di sinistra (Irregolare)

(-22.6;7.6)

(-11.9;3.7)

(-5.2;1.6)

(-2.3;-0.32)

(0;-0.32)

Linea di scavo di destra (Irregolare)

(0;-3.32)

(11.2;-3.32)

(13.6;-4)

(18.6;-5.5)

(32.8;-8.3)

(37.4;-8.6)

Elementi strutturali

Paratia : WallElement

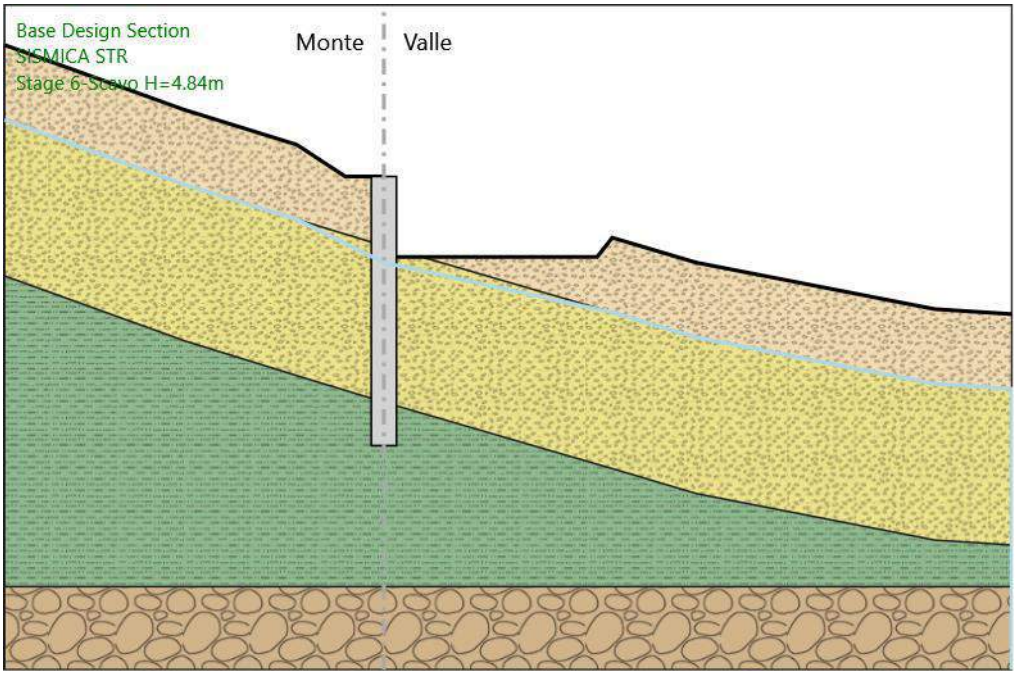
X : 0 m

Quota in alto : -0.32 m

Quota di fondo : -16.52 m

Sezione : Pali1500

4.6. Stage 6-Scavo H=4.84m



Stage 6-Scavo H=4.84m

Scavo

Muro di sinistra

Lato monte : -0.32 m

Lato valle : -5.16 m

Linea di scavo di sinistra (Irregolare)

(-22.6;7.6)

(-11.9;3.7)

(-5.2;1.6)

(-2.3;-0.32)

(0;-0.32)

Linea di scavo di destra (Irregolare)

(0;-5.16)

(12.7;-5.16)

(13.6;-4)

(18.6;-5.5)

(32.8;-8.3)

(37.4;-8.6)

Elementi strutturali

Paratia : WallElement

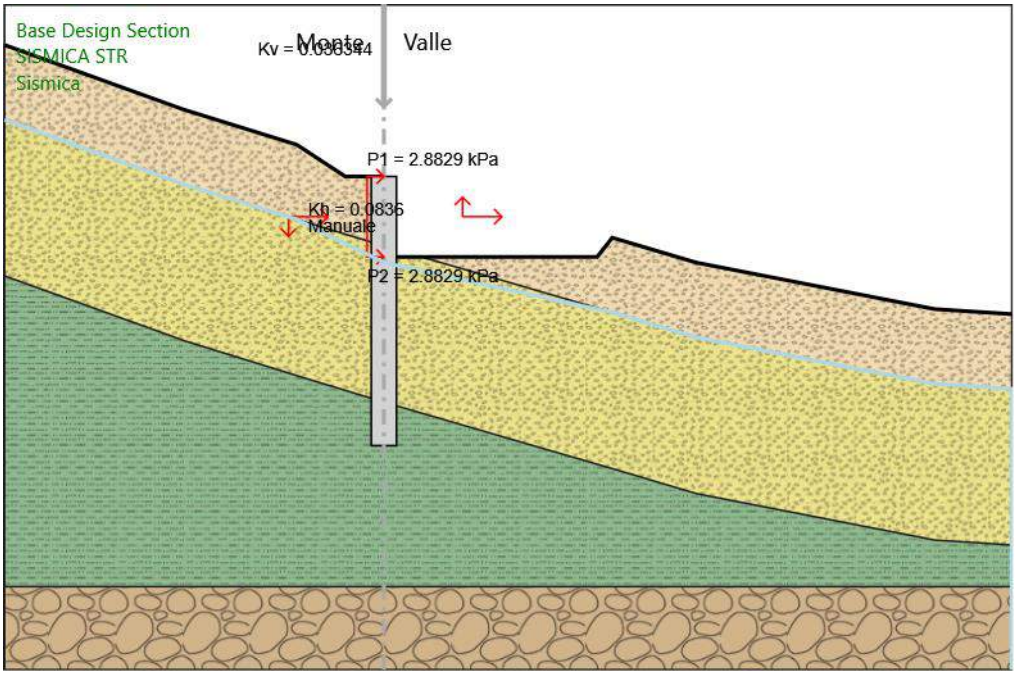
X : 0 m

Quota in alto : -0.32 m

Quota di fondo : -16.52 m

Sezione : Pali1500

4.7. Sismica



Sismica

Scavo

Muro di sinistra

Lato monte : -0.32 m

Lato valle : -5.16 m

Linea di scavo di sinistra (Irregolare)

(-22.6;7.6)

(-11.9;3.7)

(-5.2;1.6)

(-2.3;-0.32)

(0;-0.32)

Linea di scavo di destra (Irregolare)

(0;-5.16)

(12.7;-5.16)

(13.6;-4)

(18.6;-5.5)

(32.8;-8.3)

(37.4;-8.6)

Elementi strutturali

Paratia : WallElement

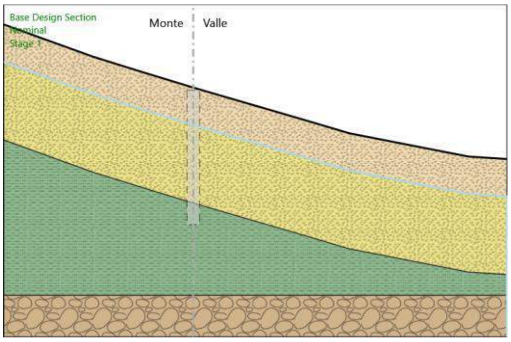
X : 0 m

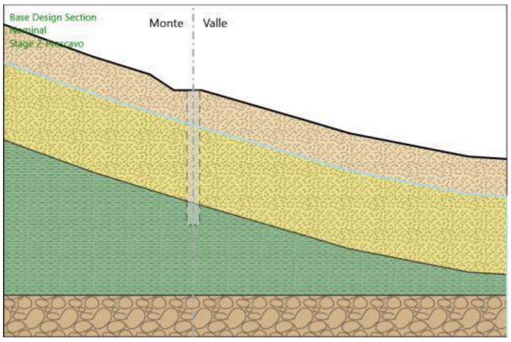
Quota in alto : -0.32 m

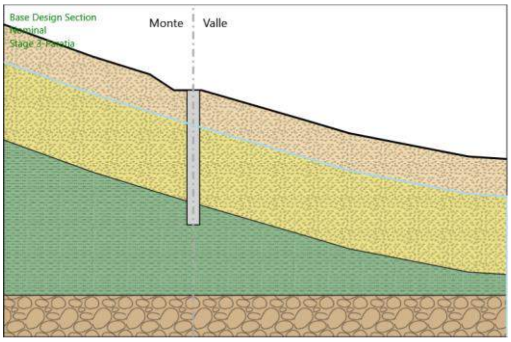
Quota di fondo : -16.52 m

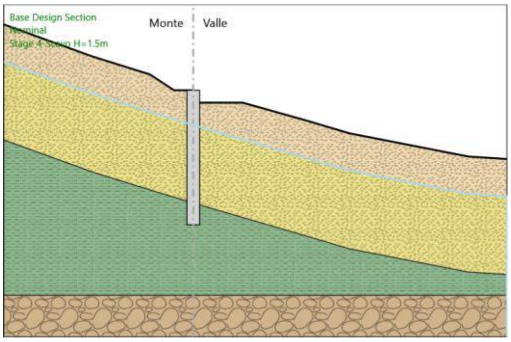
Sezione : Pali1500

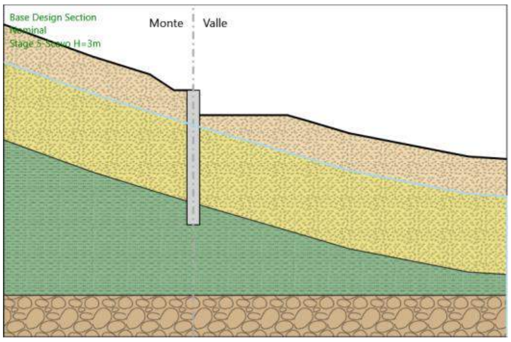
4.8. Tabella Configurazione Stage (Nominal)

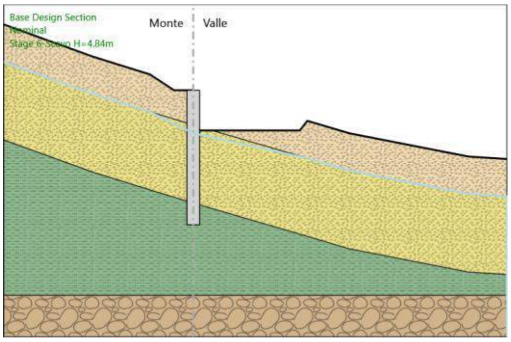


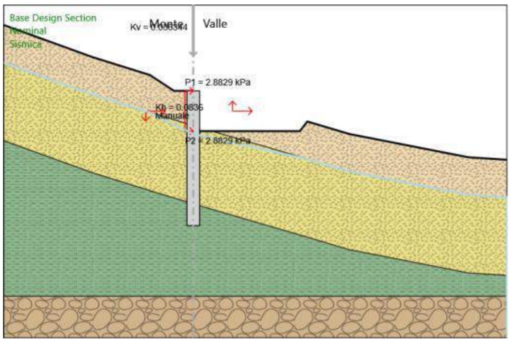












5. Grafici dei Risultati

5.1. Design Assumption : Nominal

5.1.1. Tabella Spostamento Nominal - LEFT Stage: Stage 1

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 1	-0.32	0
Stage 1	-0.52	0
Stage 1	-0.72	0
Stage 1	-0.92	0
Stage 1	-1.12	0
Stage 1	-1.32	0
Stage 1	-1.52	0
Stage 1	-1.72	0
Stage 1	-1.92	0
Stage 1	-2.12	0
Stage 1	-2.32	0
Stage 1	-2.52	0
Stage 1	-2.72	0
Stage 1	-2.92	0
Stage 1	-3.12	0
Stage 1	-3.32	0
Stage 1	-3.52	0
Stage 1	-3.72	0
Stage 1	-3.92	0
Stage 1	-4.12	0
Stage 1	-4.32	0
Stage 1	-4.52	0.01
Stage 1	-4.72	0.02
Stage 1	-4.92	0.02
Stage 1	-5.12	0.02
Stage 1	-5.32	0.02
Stage 1	-5.52	0.02
Stage 1	-5.72	0.02
Stage 1	-5.92	0.02
Stage 1	-6.12	0.02
Stage 1	-6.32	0.02
Stage 1	-6.52	0.02
Stage 1	-6.72	0.02
Stage 1	-6.92	0.02
Stage 1	-7.12	0.01
Stage 1	-7.32	0.01
Stage 1	-7.52	0.01
Stage 1	-7.72	0.01
Stage 1	-7.92	0.01
Stage 1	-8.12	0.01
Stage 1	-8.32	0.01
Stage 1	-8.52	0.01
Stage 1	-8.72	0.01
Stage 1	-8.92	0.01
Stage 1	-9.12	0.01
Stage 1	-9.32	0.01
Stage 1	-9.52	0.01
Stage 1	-9.72	0.01
Stage 1	-9.92	0.01
Stage 1	-10.12	0.01
Stage 1	-10.32	0.01
Stage 1	-10.52	0.01
Stage 1	-10.72	0.01
Stage 1	-10.92	0.01
Stage 1	-11.12	0.01
Stage 1	-11.32	0.01
Stage 1	-11.52	0.01
Stage 1	-11.72	0.01
Stage 1	-11.92	0.01
Stage 1	-12.12	0.01
Stage 1	-12.32	0.01

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 1	-12.52	0.01
Stage 1	-12.72	0.01
Stage 1	-12.92	0.01
Stage 1	-13.12	0.01
Stage 1	-13.32	0.01
Stage 1	-13.52	0
Stage 1	-13.72	0
Stage 1	-13.92	0
Stage 1	-14.12	0
Stage 1	-14.32	0
Stage 1	-14.52	0
Stage 1	-14.72	0
Stage 1	-14.92	0
Stage 1	-15.12	0
Stage 1	-15.32	0
Stage 1	-15.52	0
Stage 1	-15.72	0
Stage 1	-15.92	0
Stage 1	-16.12	0
Stage 1	-16.32	0
Stage 1	-16.52	0

5.1.2. Tabella Spostamento Nominal - LEFT Stage: Stage 2-Prescavo

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 2-Prescavo	-0.32	0
Stage 2-Prescavo	-0.52	0
Stage 2-Prescavo	-0.72	0
Stage 2-Prescavo	-0.92	0
Stage 2-Prescavo	-1.12	0
Stage 2-Prescavo	-1.32	0
Stage 2-Prescavo	-1.52	0
Stage 2-Prescavo	-1.72	0
Stage 2-Prescavo	-1.92	0
Stage 2-Prescavo	-2.12	0
Stage 2-Prescavo	-2.32	0
Stage 2-Prescavo	-2.52	0
Stage 2-Prescavo	-2.72	0
Stage 2-Prescavo	-2.92	0
Stage 2-Prescavo	-3.12	0
Stage 2-Prescavo	-3.32	0
Stage 2-Prescavo	-3.52	0
Stage 2-Prescavo	-3.72	0
Stage 2-Prescavo	-3.92	0
Stage 2-Prescavo	-4.12	0
Stage 2-Prescavo	-4.32	0
Stage 2-Prescavo	-4.52	0.01
Stage 2-Prescavo	-4.72	0.02
Stage 2-Prescavo	-4.92	0.02
Stage 2-Prescavo	-5.12	0.02
Stage 2-Prescavo	-5.32	0.02
Stage 2-Prescavo	-5.52	0.02
Stage 2-Prescavo	-5.72	0.02
Stage 2-Prescavo	-5.92	0.02
Stage 2-Prescavo	-6.12	0.02
Stage 2-Prescavo	-6.32	0.02
Stage 2-Prescavo	-6.52	0.02
Stage 2-Prescavo	-6.72	0.02
Stage 2-Prescavo	-6.92	0.02
Stage 2-Prescavo	-7.12	0.01
Stage 2-Prescavo	-7.32	0.01
Stage 2-Prescavo	-7.52	0.01
Stage 2-Prescavo	-7.72	0.01
Stage 2-Prescavo	-7.92	0.01
Stage 2-Prescavo	-8.12	0.01
Stage 2-Prescavo	-8.32	0.01
Stage 2-Prescavo	-8.52	0.01
Stage 2-Prescavo	-8.72	0.01
Stage 2-Prescavo	-8.92	0.01
Stage 2-Prescavo	-9.12	0.01
Stage 2-Prescavo	-9.32	0.01
Stage 2-Prescavo	-9.52	0.01
Stage 2-Prescavo	-9.72	0.01
Stage 2-Prescavo	-9.92	0.01
Stage 2-Prescavo	-10.12	0.01
Stage 2-Prescavo	-10.32	0.01
Stage 2-Prescavo	-10.52	0.01
Stage 2-Prescavo	-10.72	0.01
Stage 2-Prescavo	-10.92	0.01
Stage 2-Prescavo	-11.12	0.01
Stage 2-Prescavo	-11.32	0.01
Stage 2-Prescavo	-11.52	0.01
Stage 2-Prescavo	-11.72	0.01
Stage 2-Prescavo	-11.92	0.01
Stage 2-Prescavo	-12.12	0.01
Stage 2-Prescavo	-12.32	0.01
Stage 2-Prescavo	-12.52	0.01
Stage 2-Prescavo	-12.72	0.01
Stage 2-Prescavo	-12.92	0.01
Stage 2-Prescavo	-13.12	0.01
Stage 2-Prescavo	-13.32	0.01
Stage 2-Prescavo	-13.52	0

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 2-Prescavo	-13.72	0
Stage 2-Prescavo	-13.92	0
Stage 2-Prescavo	-14.12	0
Stage 2-Prescavo	-14.32	0
Stage 2-Prescavo	-14.52	0
Stage 2-Prescavo	-14.72	0
Stage 2-Prescavo	-14.92	0
Stage 2-Prescavo	-15.12	0
Stage 2-Prescavo	-15.32	0
Stage 2-Prescavo	-15.52	0
Stage 2-Prescavo	-15.72	0
Stage 2-Prescavo	-15.92	0
Stage 2-Prescavo	-16.12	0
Stage 2-Prescavo	-16.32	0
Stage 2-Prescavo	-16.52	0

5.1.3. Tabella Spostamento Nominal - LEFT Stage: Stage 3-Paratia

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 3-Paratia	-0.32	0
Stage 3-Paratia	-0.52	0
Stage 3-Paratia	-0.72	0
Stage 3-Paratia	-0.92	0
Stage 3-Paratia	-1.12	0
Stage 3-Paratia	-1.32	0
Stage 3-Paratia	-1.52	0
Stage 3-Paratia	-1.72	0
Stage 3-Paratia	-1.92	0
Stage 3-Paratia	-2.12	0
Stage 3-Paratia	-2.32	0
Stage 3-Paratia	-2.52	0
Stage 3-Paratia	-2.72	0
Stage 3-Paratia	-2.92	0
Stage 3-Paratia	-3.12	0
Stage 3-Paratia	-3.32	0
Stage 3-Paratia	-3.52	0
Stage 3-Paratia	-3.72	0
Stage 3-Paratia	-3.92	0
Stage 3-Paratia	-4.12	0
Stage 3-Paratia	-4.32	0
Stage 3-Paratia	-4.52	0.01
Stage 3-Paratia	-4.72	0.02
Stage 3-Paratia	-4.92	0.02
Stage 3-Paratia	-5.12	0.02
Stage 3-Paratia	-5.32	0.02
Stage 3-Paratia	-5.52	0.02
Stage 3-Paratia	-5.72	0.02
Stage 3-Paratia	-5.92	0.02
Stage 3-Paratia	-6.12	0.02
Stage 3-Paratia	-6.32	0.02
Stage 3-Paratia	-6.52	0.02
Stage 3-Paratia	-6.72	0.02
Stage 3-Paratia	-6.92	0.02
Stage 3-Paratia	-7.12	0.01
Stage 3-Paratia	-7.32	0.01
Stage 3-Paratia	-7.52	0.01
Stage 3-Paratia	-7.72	0.01
Stage 3-Paratia	-7.92	0.01
Stage 3-Paratia	-8.12	0.01
Stage 3-Paratia	-8.32	0.01
Stage 3-Paratia	-8.52	0.01
Stage 3-Paratia	-8.72	0.01
Stage 3-Paratia	-8.92	0.01
Stage 3-Paratia	-9.12	0.01
Stage 3-Paratia	-9.32	0.01
Stage 3-Paratia	-9.52	0.01
Stage 3-Paratia	-9.72	0.01
Stage 3-Paratia	-9.92	0.01
Stage 3-Paratia	-10.12	0.01
Stage 3-Paratia	-10.32	0.01
Stage 3-Paratia	-10.52	0.01
Stage 3-Paratia	-10.72	0.01
Stage 3-Paratia	-10.92	0.01
Stage 3-Paratia	-11.12	0.01
Stage 3-Paratia	-11.32	0.01
Stage 3-Paratia	-11.52	0.01
Stage 3-Paratia	-11.72	0.01
Stage 3-Paratia	-11.92	0.01
Stage 3-Paratia	-12.12	0.01
Stage 3-Paratia	-12.32	0.01
Stage 3-Paratia	-12.52	0.01
Stage 3-Paratia	-12.72	0.01
Stage 3-Paratia	-12.92	0.01
Stage 3-Paratia	-13.12	0.01
Stage 3-Paratia	-13.32	0.01
Stage 3-Paratia	-13.52	0

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 3-Paratia	-13.72	0
Stage 3-Paratia	-13.92	0
Stage 3-Paratia	-14.12	0
Stage 3-Paratia	-14.32	0
Stage 3-Paratia	-14.52	0
Stage 3-Paratia	-14.72	0
Stage 3-Paratia	-14.92	0
Stage 3-Paratia	-15.12	0
Stage 3-Paratia	-15.32	0
Stage 3-Paratia	-15.52	0
Stage 3-Paratia	-15.72	0
Stage 3-Paratia	-15.92	0
Stage 3-Paratia	-16.12	0
Stage 3-Paratia	-16.32	0
Stage 3-Paratia	-16.52	0

5.1.4. Tabella Spostamento Nominal - LEFT Stage: Stage 4-Scavo H=1.5m

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 4-Scavo H=1.5m	-0.32	0.34
Stage 4-Scavo H=1.5m	-0.52	0.33
Stage 4-Scavo H=1.5m	-0.72	0.32
Stage 4-Scavo H=1.5m	-0.92	0.31
Stage 4-Scavo H=1.5m	-1.12	0.3
Stage 4-Scavo H=1.5m	-1.32	0.29
Stage 4-Scavo H=1.5m	-1.52	0.28
Stage 4-Scavo H=1.5m	-1.72	0.27
Stage 4-Scavo H=1.5m	-1.92	0.27
Stage 4-Scavo H=1.5m	-2.12	0.26
Stage 4-Scavo H=1.5m	-2.32	0.25
Stage 4-Scavo H=1.5m	-2.52	0.24
Stage 4-Scavo H=1.5m	-2.72	0.23
Stage 4-Scavo H=1.5m	-2.92	0.22
Stage 4-Scavo H=1.5m	-3.12	0.21
Stage 4-Scavo H=1.5m	-3.32	0.2
Stage 4-Scavo H=1.5m	-3.52	0.19
Stage 4-Scavo H=1.5m	-3.72	0.18
Stage 4-Scavo H=1.5m	-3.92	0.18
Stage 4-Scavo H=1.5m	-4.12	0.17
Stage 4-Scavo H=1.5m	-4.32	0.16
Stage 4-Scavo H=1.5m	-4.52	0.16
Stage 4-Scavo H=1.5m	-4.72	0.16
Stage 4-Scavo H=1.5m	-4.92	0.16
Stage 4-Scavo H=1.5m	-5.12	0.15
Stage 4-Scavo H=1.5m	-5.32	0.14
Stage 4-Scavo H=1.5m	-5.52	0.14
Stage 4-Scavo H=1.5m	-5.72	0.13
Stage 4-Scavo H=1.5m	-5.92	0.13
Stage 4-Scavo H=1.5m	-6.12	0.12
Stage 4-Scavo H=1.5m	-6.32	0.11
Stage 4-Scavo H=1.5m	-6.52	0.11
Stage 4-Scavo H=1.5m	-6.72	0.11
Stage 4-Scavo H=1.5m	-6.92	0.1
Stage 4-Scavo H=1.5m	-7.12	0.1
Stage 4-Scavo H=1.5m	-7.32	0.09
Stage 4-Scavo H=1.5m	-7.52	0.09
Stage 4-Scavo H=1.5m	-7.72	0.09
Stage 4-Scavo H=1.5m	-7.92	0.08
Stage 4-Scavo H=1.5m	-8.12	0.08
Stage 4-Scavo H=1.5m	-8.32	0.08
Stage 4-Scavo H=1.5m	-8.52	0.08
Stage 4-Scavo H=1.5m	-8.72	0.07
Stage 4-Scavo H=1.5m	-8.92	0.07
Stage 4-Scavo H=1.5m	-9.12	0.07
Stage 4-Scavo H=1.5m	-9.32	0.07
Stage 4-Scavo H=1.5m	-9.52	0.06
Stage 4-Scavo H=1.5m	-9.72	0.06
Stage 4-Scavo H=1.5m	-9.92	0.06
Stage 4-Scavo H=1.5m	-10.12	0.06
Stage 4-Scavo H=1.5m	-10.32	0.06
Stage 4-Scavo H=1.5m	-10.52	0.06
Stage 4-Scavo H=1.5m	-10.72	0.05
Stage 4-Scavo H=1.5m	-10.92	0.05
Stage 4-Scavo H=1.5m	-11.12	0.05
Stage 4-Scavo H=1.5m	-11.32	0.05
Stage 4-Scavo H=1.5m	-11.52	0.05
Stage 4-Scavo H=1.5m	-11.72	0.05
Stage 4-Scavo H=1.5m	-11.92	0.04
Stage 4-Scavo H=1.5m	-12.12	0.04
Stage 4-Scavo H=1.5m	-12.32	0.04
Stage 4-Scavo H=1.5m	-12.52	0.04
Stage 4-Scavo H=1.5m	-12.72	0.04
Stage 4-Scavo H=1.5m	-12.92	0.03
Stage 4-Scavo H=1.5m	-13.12	0.03
Stage 4-Scavo H=1.5m	-13.32	0.03
Stage 4-Scavo H=1.5m	-13.52	0.03

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 4-Scavo H=1.5m	-13.72	0.03
Stage 4-Scavo H=1.5m	-13.92	0.02
Stage 4-Scavo H=1.5m	-14.12	0.02
Stage 4-Scavo H=1.5m	-14.32	0.02
Stage 4-Scavo H=1.5m	-14.52	0.02
Stage 4-Scavo H=1.5m	-14.72	0.02
Stage 4-Scavo H=1.5m	-14.92	0.01
Stage 4-Scavo H=1.5m	-15.12	0.01
Stage 4-Scavo H=1.5m	-15.32	0.01
Stage 4-Scavo H=1.5m	-15.52	0.01
Stage 4-Scavo H=1.5m	-15.72	0.01
Stage 4-Scavo H=1.5m	-15.92	0.01
Stage 4-Scavo H=1.5m	-16.12	0.01
Stage 4-Scavo H=1.5m	-16.32	0
Stage 4-Scavo H=1.5m	-16.52	0

5.1.5. Tabella Spostamento Nominal - LEFT Stage: Stage 5-Scavo H=3m

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 5-Scavo H=3m	-0.32	2.42
Stage 5-Scavo H=3m	-0.52	2.36
Stage 5-Scavo H=3m	-0.72	2.3
Stage 5-Scavo H=3m	-0.92	2.25
Stage 5-Scavo H=3m	-1.12	2.19
Stage 5-Scavo H=3m	-1.32	2.13
Stage 5-Scavo H=3m	-1.52	2.07
Stage 5-Scavo H=3m	-1.72	2.02
Stage 5-Scavo H=3m	-1.92	1.96
Stage 5-Scavo H=3m	-2.12	1.9
Stage 5-Scavo H=3m	-2.32	1.84
Stage 5-Scavo H=3m	-2.52	1.79
Stage 5-Scavo H=3m	-2.72	1.73
Stage 5-Scavo H=3m	-2.92	1.67
Stage 5-Scavo H=3m	-3.12	1.61
Stage 5-Scavo H=3m	-3.32	1.56
Stage 5-Scavo H=3m	-3.52	1.5
Stage 5-Scavo H=3m	-3.72	1.45
Stage 5-Scavo H=3m	-3.92	1.39
Stage 5-Scavo H=3m	-4.12	1.34
Stage 5-Scavo H=3m	-4.32	1.28
Stage 5-Scavo H=3m	-4.52	1.24
Stage 5-Scavo H=3m	-4.72	1.2
Stage 5-Scavo H=3m	-4.92	1.14
Stage 5-Scavo H=3m	-5.12	1.09
Stage 5-Scavo H=3m	-5.32	1.04
Stage 5-Scavo H=3m	-5.52	1
Stage 5-Scavo H=3m	-5.72	0.95
Stage 5-Scavo H=3m	-5.92	0.9
Stage 5-Scavo H=3m	-6.12	0.86
Stage 5-Scavo H=3m	-6.32	0.82
Stage 5-Scavo H=3m	-6.52	0.77
Stage 5-Scavo H=3m	-6.72	0.73
Stage 5-Scavo H=3m	-6.92	0.69
Stage 5-Scavo H=3m	-7.12	0.66
Stage 5-Scavo H=3m	-7.32	0.62
Stage 5-Scavo H=3m	-7.52	0.59
Stage 5-Scavo H=3m	-7.72	0.55
Stage 5-Scavo H=3m	-7.92	0.52
Stage 5-Scavo H=3m	-8.12	0.49
Stage 5-Scavo H=3m	-8.32	0.46
Stage 5-Scavo H=3m	-8.52	0.43
Stage 5-Scavo H=3m	-8.72	0.41
Stage 5-Scavo H=3m	-8.92	0.38
Stage 5-Scavo H=3m	-9.12	0.36
Stage 5-Scavo H=3m	-9.32	0.34
Stage 5-Scavo H=3m	-9.52	0.32
Stage 5-Scavo H=3m	-9.72	0.3
Stage 5-Scavo H=3m	-9.92	0.28
Stage 5-Scavo H=3m	-10.12	0.26
Stage 5-Scavo H=3m	-10.32	0.24
Stage 5-Scavo H=3m	-10.52	0.23
Stage 5-Scavo H=3m	-10.72	0.21
Stage 5-Scavo H=3m	-10.92	0.2
Stage 5-Scavo H=3m	-11.12	0.18
Stage 5-Scavo H=3m	-11.32	0.17
Stage 5-Scavo H=3m	-11.52	0.16
Stage 5-Scavo H=3m	-11.72	0.15
Stage 5-Scavo H=3m	-11.92	0.14
Stage 5-Scavo H=3m	-12.12	0.13
Stage 5-Scavo H=3m	-12.32	0.12
Stage 5-Scavo H=3m	-12.52	0.11
Stage 5-Scavo H=3m	-12.72	0.1
Stage 5-Scavo H=3m	-12.92	0.09
Stage 5-Scavo H=3m	-13.12	0.08
Stage 5-Scavo H=3m	-13.32	0.08
Stage 5-Scavo H=3m	-13.52	0.07

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 5-Scavo H=3m	-13.72	0.06
Stage 5-Scavo H=3m	-13.92	0.05
Stage 5-Scavo H=3m	-14.12	0.05
Stage 5-Scavo H=3m	-14.32	0.04
Stage 5-Scavo H=3m	-14.52	0.03
Stage 5-Scavo H=3m	-14.72	0.03
Stage 5-Scavo H=3m	-14.92	0.02
Stage 5-Scavo H=3m	-15.12	0.02
Stage 5-Scavo H=3m	-15.32	0.01
Stage 5-Scavo H=3m	-15.52	0.01
Stage 5-Scavo H=3m	-15.72	0
Stage 5-Scavo H=3m	-15.92	0
Stage 5-Scavo H=3m	-16.12	0
Stage 5-Scavo H=3m	-16.32	-0.01
Stage 5-Scavo H=3m	-16.52	-0.01

5.1.6. Tabella Spostamento Nominal - LEFT Stage: Stage 6-Scavo H=4.84m

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 6-Scavo H=4.84m	-0.32	10.81
Stage 6-Scavo H=4.84m	-0.52	10.62
Stage 6-Scavo H=4.84m	-0.72	10.42
Stage 6-Scavo H=4.84m	-0.92	10.23
Stage 6-Scavo H=4.84m	-1.12	10.03
Stage 6-Scavo H=4.84m	-1.32	9.84
Stage 6-Scavo H=4.84m	-1.52	9.64
Stage 6-Scavo H=4.84m	-1.72	9.45
Stage 6-Scavo H=4.84m	-1.92	9.25
Stage 6-Scavo H=4.84m	-2.12	9.06
Stage 6-Scavo H=4.84m	-2.32	8.87
Stage 6-Scavo H=4.84m	-2.52	8.67
Stage 6-Scavo H=4.84m	-2.72	8.48
Stage 6-Scavo H=4.84m	-2.92	8.28
Stage 6-Scavo H=4.84m	-3.12	8.09
Stage 6-Scavo H=4.84m	-3.32	7.9
Stage 6-Scavo H=4.84m	-3.52	7.7
Stage 6-Scavo H=4.84m	-3.72	7.51
Stage 6-Scavo H=4.84m	-3.92	7.32
Stage 6-Scavo H=4.84m	-4.12	7.13
Stage 6-Scavo H=4.84m	-4.32	6.94
Stage 6-Scavo H=4.84m	-4.52	6.76
Stage 6-Scavo H=4.84m	-4.72	6.58
Stage 6-Scavo H=4.84m	-4.92	6.39
Stage 6-Scavo H=4.84m	-5.12	6.2
Stage 6-Scavo H=4.84m	-5.32	6.02
Stage 6-Scavo H=4.84m	-5.52	5.83
Stage 6-Scavo H=4.84m	-5.72	5.65
Stage 6-Scavo H=4.84m	-5.92	5.47
Stage 6-Scavo H=4.84m	-6.12	5.29
Stage 6-Scavo H=4.84m	-6.32	5.12
Stage 6-Scavo H=4.84m	-6.52	4.95
Stage 6-Scavo H=4.84m	-6.72	4.77
Stage 6-Scavo H=4.84m	-6.92	4.61
Stage 6-Scavo H=4.84m	-7.12	4.44
Stage 6-Scavo H=4.84m	-7.32	4.28
Stage 6-Scavo H=4.84m	-7.52	4.12
Stage 6-Scavo H=4.84m	-7.72	3.96
Stage 6-Scavo H=4.84m	-7.92	3.81
Stage 6-Scavo H=4.84m	-8.12	3.65
Stage 6-Scavo H=4.84m	-8.32	3.51
Stage 6-Scavo H=4.84m	-8.52	3.36
Stage 6-Scavo H=4.84m	-8.72	3.22
Stage 6-Scavo H=4.84m	-8.92	3.08
Stage 6-Scavo H=4.84m	-9.12	2.94
Stage 6-Scavo H=4.84m	-9.32	2.81
Stage 6-Scavo H=4.84m	-9.52	2.68
Stage 6-Scavo H=4.84m	-9.72	2.55
Stage 6-Scavo H=4.84m	-9.92	2.43
Stage 6-Scavo H=4.84m	-10.12	2.31
Stage 6-Scavo H=4.84m	-10.32	2.19
Stage 6-Scavo H=4.84m	-10.52	2.07
Stage 6-Scavo H=4.84m	-10.72	1.96
Stage 6-Scavo H=4.84m	-10.92	1.85
Stage 6-Scavo H=4.84m	-11.12	1.74
Stage 6-Scavo H=4.84m	-11.32	1.64
Stage 6-Scavo H=4.84m	-11.52	1.53
Stage 6-Scavo H=4.84m	-11.72	1.44
Stage 6-Scavo H=4.84m	-11.92	1.34
Stage 6-Scavo H=4.84m	-12.12	1.24
Stage 6-Scavo H=4.84m	-12.32	1.15
Stage 6-Scavo H=4.84m	-12.52	1.06
Stage 6-Scavo H=4.84m	-12.72	0.97
Stage 6-Scavo H=4.84m	-12.92	0.88
Stage 6-Scavo H=4.84m	-13.12	0.8
Stage 6-Scavo H=4.84m	-13.32	0.72
Stage 6-Scavo H=4.84m	-13.52	0.64

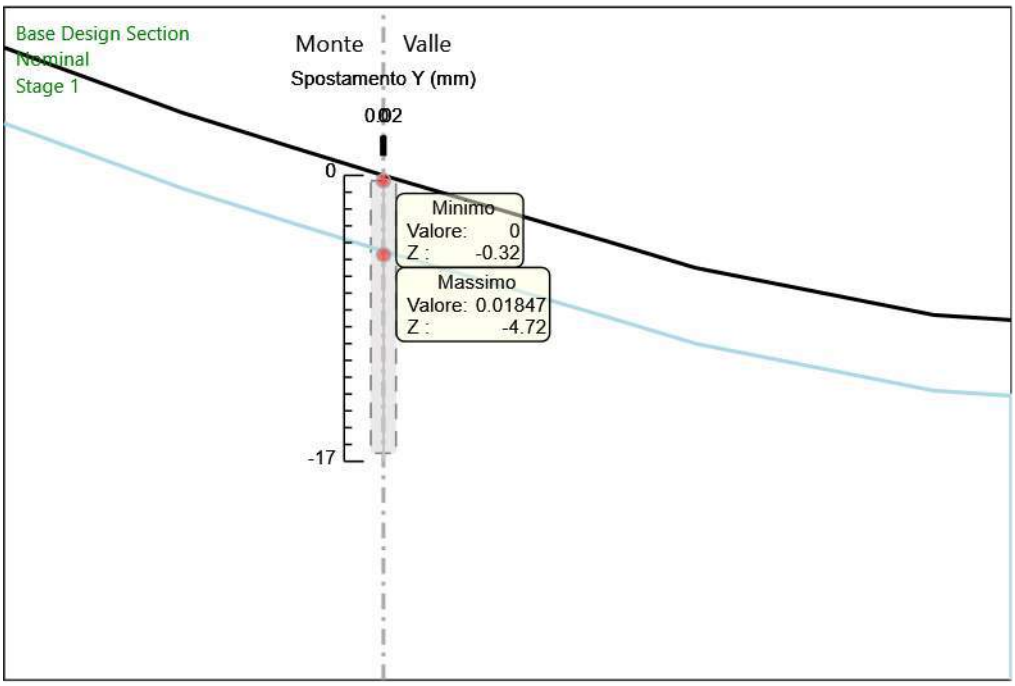
Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 6-Scavo H=4.84m	-13.72	0.56
Stage 6-Scavo H=4.84m	-13.92	0.48
Stage 6-Scavo H=4.84m	-14.12	0.4
Stage 6-Scavo H=4.84m	-14.32	0.32
Stage 6-Scavo H=4.84m	-14.52	0.25
Stage 6-Scavo H=4.84m	-14.72	0.18
Stage 6-Scavo H=4.84m	-14.92	0.1
Stage 6-Scavo H=4.84m	-15.12	0.03
Stage 6-Scavo H=4.84m	-15.32	-0.04
Stage 6-Scavo H=4.84m	-15.52	-0.11
Stage 6-Scavo H=4.84m	-15.72	-0.18
Stage 6-Scavo H=4.84m	-15.92	-0.25
Stage 6-Scavo H=4.84m	-16.12	-0.32
Stage 6-Scavo H=4.84m	-16.32	-0.39
Stage 6-Scavo H=4.84m	-16.52	-0.46

5.1.7. Tabella Spostamento Nominal - LEFT Stage: Sismica

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Sismica	-0.32	15.59
Sismica	-0.52	15.31
Sismica	-0.72	15.03
Sismica	-0.92	14.76
Sismica	-1.12	14.48
Sismica	-1.32	14.2
Sismica	-1.52	13.93
Sismica	-1.72	13.65
Sismica	-1.92	13.37
Sismica	-2.12	13.1
Sismica	-2.32	12.82
Sismica	-2.52	12.54
Sismica	-2.72	12.27
Sismica	-2.92	11.99
Sismica	-3.12	11.72
Sismica	-3.32	11.44
Sismica	-3.52	11.17
Sismica	-3.72	10.89
Sismica	-3.92	10.62
Sismica	-4.12	10.35
Sismica	-4.32	10.08
Sismica	-4.52	9.82
Sismica	-4.72	9.56
Sismica	-4.92	9.29
Sismica	-5.12	9.02
Sismica	-5.32	8.76
Sismica	-5.52	8.5
Sismica	-5.72	8.24
Sismica	-5.92	7.98
Sismica	-6.12	7.73
Sismica	-6.32	7.48
Sismica	-6.52	7.23
Sismica	-6.72	6.98
Sismica	-6.92	6.74
Sismica	-7.12	6.5
Sismica	-7.32	6.27
Sismica	-7.52	6.04
Sismica	-7.72	5.81
Sismica	-7.92	5.59
Sismica	-8.12	5.37
Sismica	-8.32	5.15
Sismica	-8.52	4.94
Sismica	-8.72	4.74
Sismica	-8.92	4.53
Sismica	-9.12	4.34
Sismica	-9.32	4.14
Sismica	-9.52	3.95
Sismica	-9.72	3.76
Sismica	-9.92	3.58
Sismica	-10.12	3.4
Sismica	-10.32	3.23
Sismica	-10.52	3.06
Sismica	-10.72	2.89
Sismica	-10.92	2.73
Sismica	-11.12	2.57
Sismica	-11.32	2.41
Sismica	-11.52	2.26
Sismica	-11.72	2.11
Sismica	-11.92	1.97
Sismica	-12.12	1.83
Sismica	-12.32	1.69
Sismica	-12.52	1.55
Sismica	-12.72	1.42
Sismica	-12.92	1.28
Sismica	-13.12	1.16
Sismica	-13.32	1.03
Sismica	-13.52	0.91

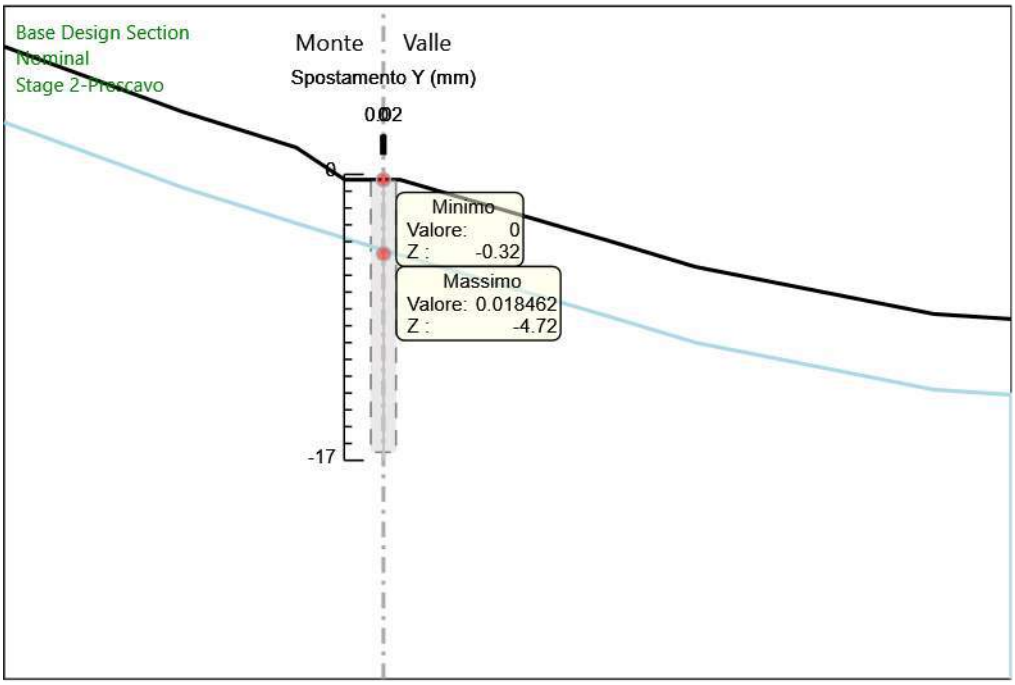
Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Sismica	-13.72	0.79
Sismica	-13.92	0.66
Sismica	-14.12	0.55
Sismica	-14.32	0.43
Sismica	-14.52	0.32
Sismica	-14.72	0.2
Sismica	-14.92	0.09
Sismica	-15.12	-0.02
Sismica	-15.32	-0.13
Sismica	-15.52	-0.24
Sismica	-15.72	-0.35
Sismica	-15.92	-0.46
Sismica	-16.12	-0.57
Sismica	-16.32	-0.67
Sismica	-16.52	-0.78

5.1.8. Grafico Spostamento orizzontale Nominal - Stage: Stage 1



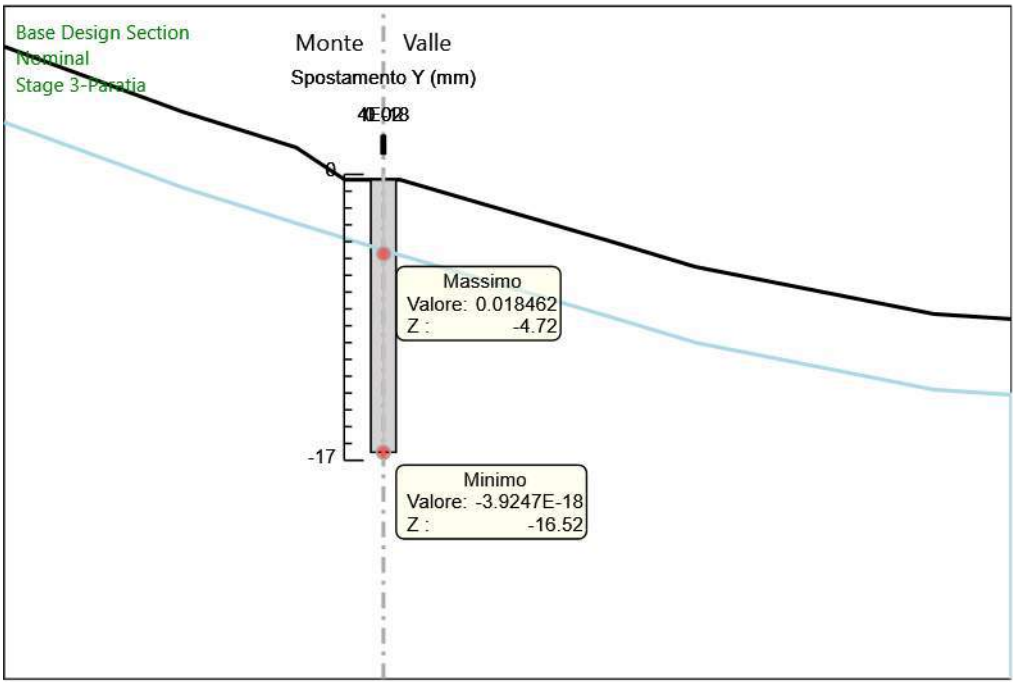
Design Assumption: Nominal
Stage: Stage 1
Spostamento orizzontale

5.1.9. Grafico Spostamento orizzontale Nominal - Stage: Stage 2-Prescavo



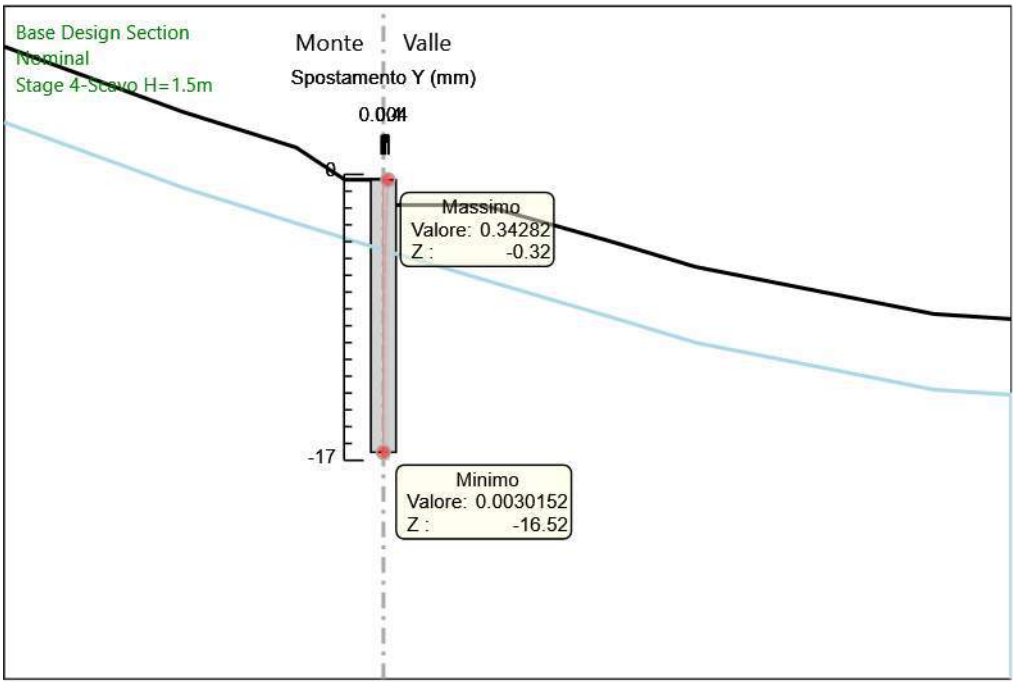
Design Assumption: Nominal
Stage: Stage 2-Prescavo
Spostamento orizzontale

5.1.10. Grafico Spostamento orizzontale Nominal - Stage: Stage 3-Paratia



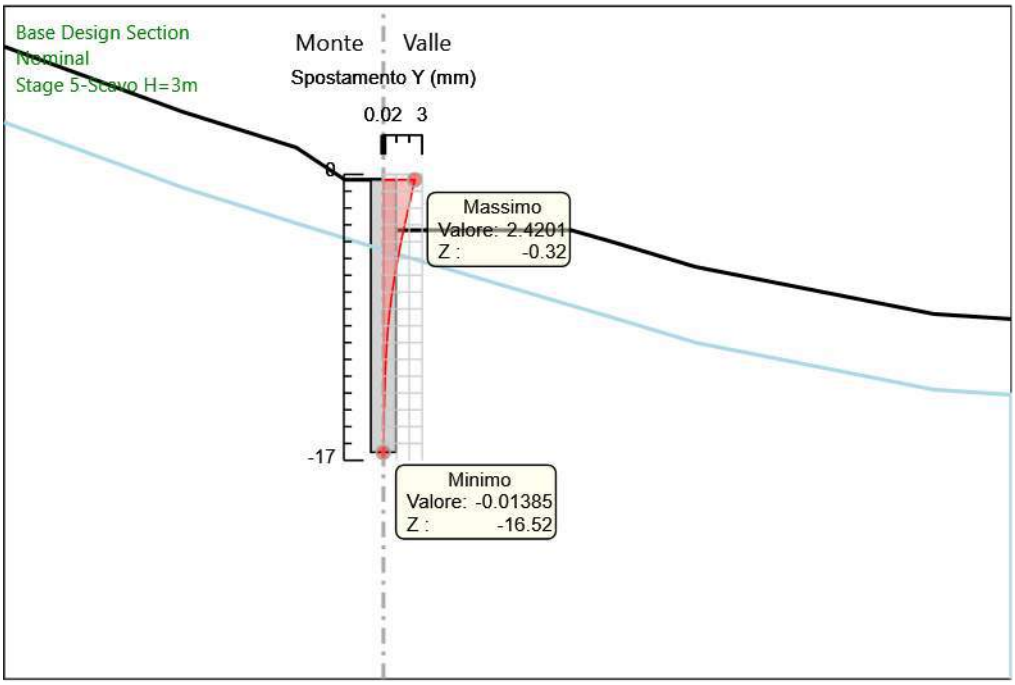
Design Assumption: Nominal
Stage: Stage 3-Paratia
Spostamento orizzontale

5.1.11. Grafico Spostamento orizzontale Nominal - Stage: Stage 4-Scavo H=1.5m



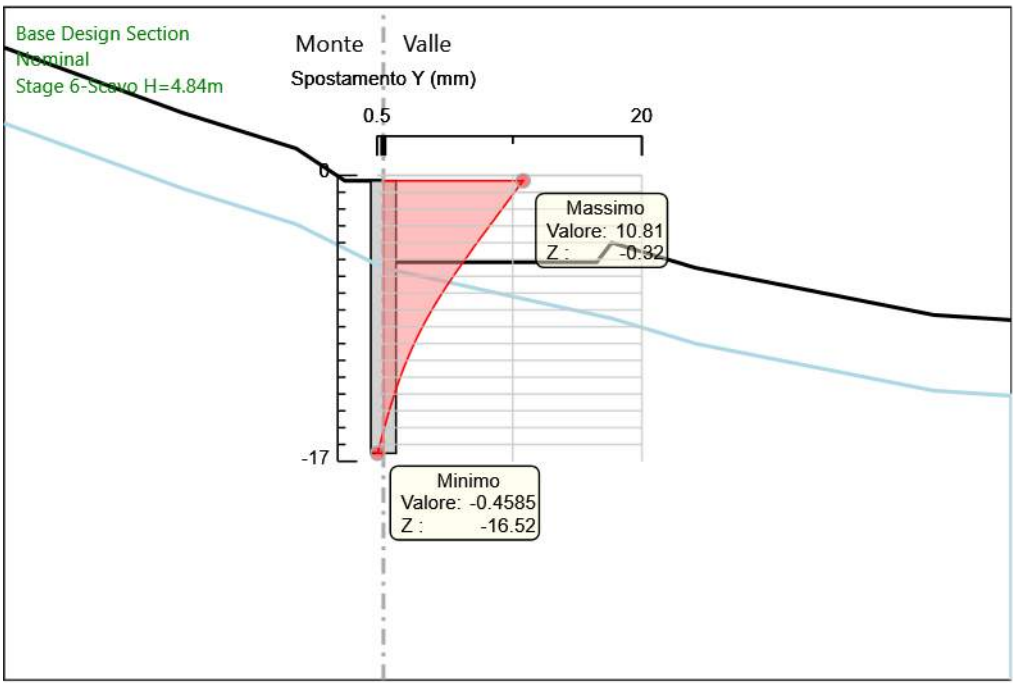
Design Assumption: Nominal
Stage: Stage 4-Scavo H=1.5m
Spostamento orizzontale

5.1.12. Grafico Spostamento orizzontale Nominal - Stage: Stage 5-Scavo H=3m



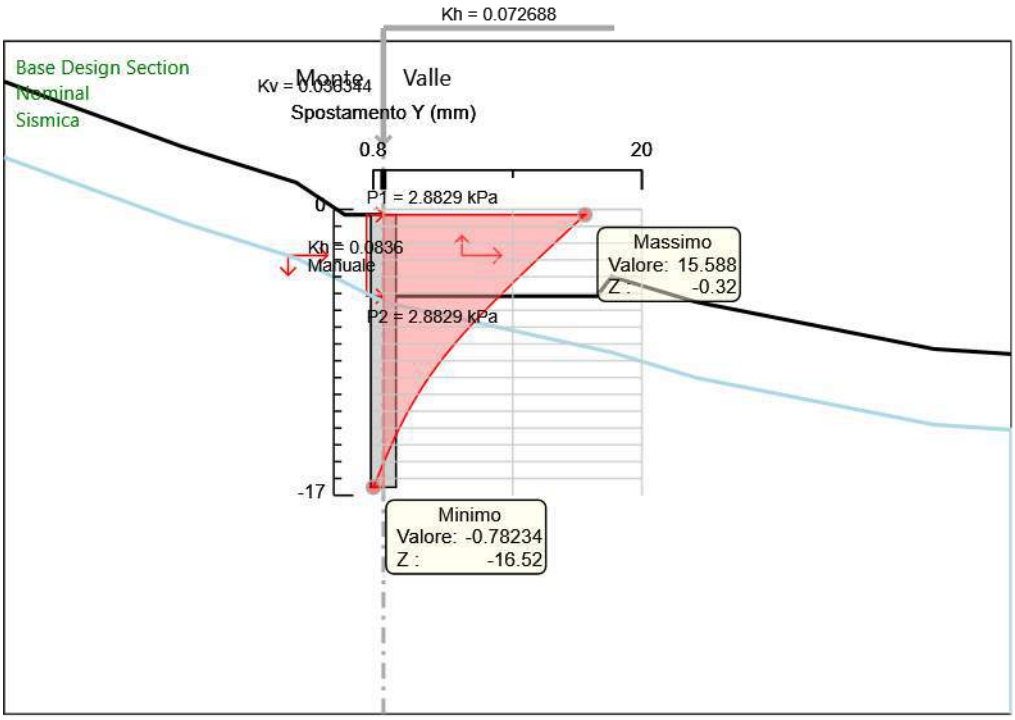
Design Assumption: Nominal
Stage: Stage 5-Scavo H=3m
Spostamento orizzontale

5.1.13. Grafico Spostamento orizzontale Nominal - Stage: Stage 6-Scavo H=4.84m



Design Assumption: Nominal
Stage: Stage 6-Scavo H=4.84m
Spostamento orizzontale

5.1.14. Grafico Spostamento orizzontale Nominal - Stage: Sismica



Design Assumption: Nominal
Stage: Sismica
Spostamento orizzontale

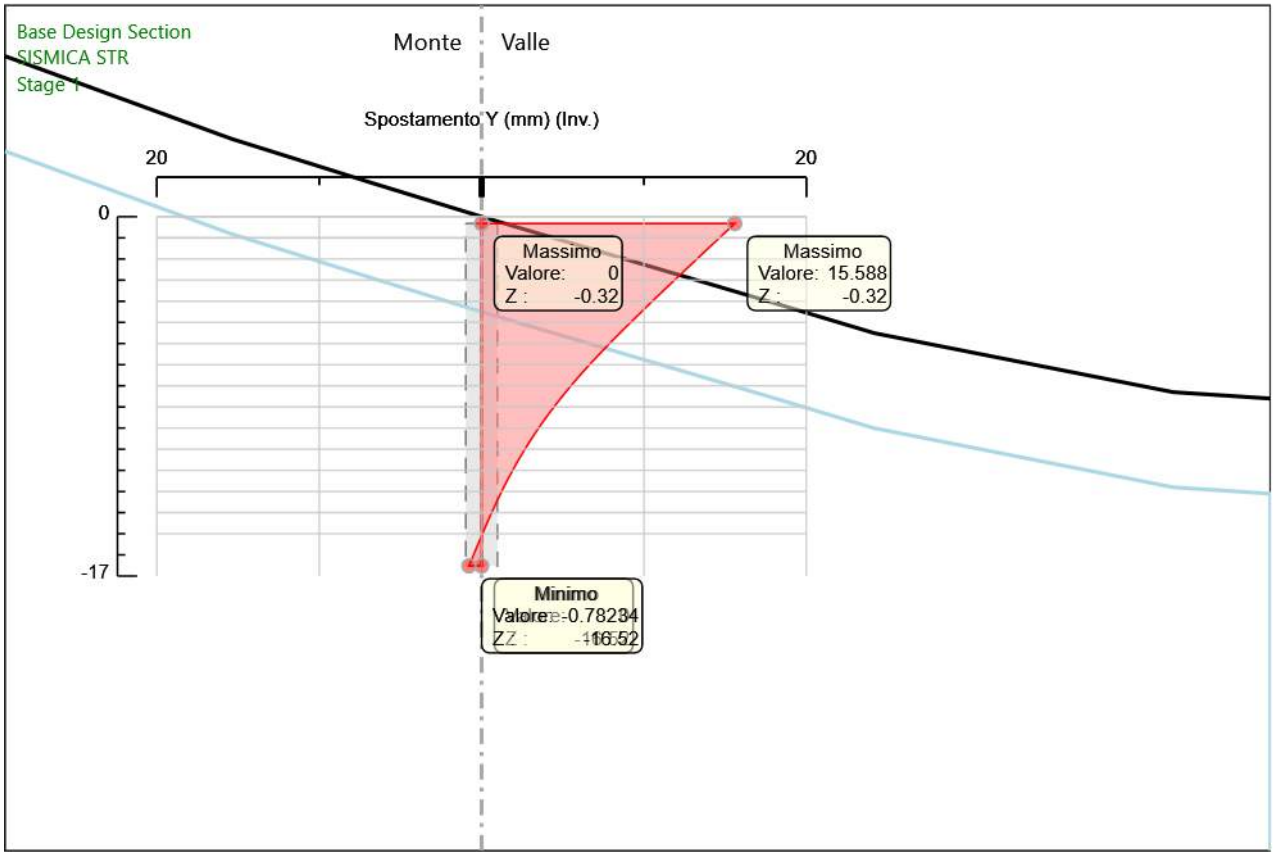
5.2. Inviluppi Spostamento Nominal

5.2.1. Tabella Inviluppi Spostamento orizzontale Nominal Left Wall

Selected Design Assumptions	Inviluppi: Spostamento orizzontale	Muro: LEFT
Z (m)	Lato sinistro (mm)	Lato destro (mm)
-0.32	0	15.59
-0.52	0	15.31
-0.72	0	15.03
-0.92	0	14.76
-1.12	0	14.48
-1.32	0	14.2
-1.52	0	13.93
-1.72	0	13.65
-1.92	0	13.37
-2.12	0	13.1
-2.32	0	12.82
-2.52	0	12.54
-2.72	0	12.27
-2.92	0	11.99
-3.12	0	11.72
-3.32	0	11.44
-3.52	0	11.17
-3.72	0	10.89
-3.92	0	10.62
-4.12	0	10.35
-4.32	0	10.08
-4.52	0	9.82
-4.72	0	9.56
-4.92	0	9.29
-5.12	0	9.02
-5.32	0	8.76
-5.52	0	8.5
-5.72	0	8.24
-5.92	0	7.98
-6.12	0	7.73
-6.32	0	7.48
-6.52	0	7.23
-6.72	0	6.98
-6.92	0	6.74
-7.12	0	6.5
-7.32	0	6.27
-7.52	0	6.04
-7.72	0	5.81
-7.92	0	5.59
-8.12	0	5.37
-8.32	0	5.15
-8.52	0	4.94
-8.72	0	4.74
-8.92	0	4.53
-9.12	0	4.34
-9.32	0	4.14
-9.52	0	3.95
-9.72	0	3.76
-9.92	0	3.58
-10.12	0	3.4
-10.32	0	3.23
-10.52	0	3.06
-10.72	0	2.89
-10.92	0	2.73
-11.12	0	2.57
-11.32	0	2.41
-11.52	0	2.26
-11.72	0	2.11
-11.92	0	1.97
-12.12	0	1.83
-12.32	0	1.69
-12.52	0	1.55
-12.72	0	1.42
-12.92	0	1.28

Selected Design Assumptions	Inviluppi: Spostamento orizzontale	Muro: LEFT
Z (m)	Lato sinistro (mm)	Lato destro (mm)
-13.12	0	1.16
-13.32	0	1.03
-13.52	0	0.91
-13.72	0	0.79
-13.92	0	0.66
-14.12	0	0.55
-14.32	0	0.43
-14.52	0	0.32
-14.72	0	0.2
-14.92	0	0.1
-15.12	-0.02	0.03
-15.32	-0.13	0
-15.52	-0.24	0
-15.72	-0.35	0
-15.92	-0.46	0
-16.12	-0.57	0
-16.32	-0.67	0
-16.52	0	0
-16.52	-0.78	0

5.2.2. Grafico Inviluppi Spostamento



Spostamento

5.3. Risultati Paratia

5.3.1. 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	-0.32	0	0
Stage 1	-0.52	0	0
Stage 1	-0.72	0	0
Stage 1	-0.92	0	0
Stage 1	-1.12	0	0
Stage 1	-1.32	0	0
Stage 1	-1.52	0	0
Stage 1	-1.72	0	0
Stage 1	-1.92	0	0
Stage 1	-2.12	0	0
Stage 1	-2.32	0	0
Stage 1	-2.52	0	0
Stage 1	-2.72	0	0
Stage 1	-2.92	0	0
Stage 1	-3.12	0	0
Stage 1	-3.32	0	0
Stage 1	-3.52	0	0
Stage 1	-3.72	0	0
Stage 1	-3.92	0	0
Stage 1	-4.12	0	0
Stage 1	-4.32	0	0
Stage 1	-4.52	0	0
Stage 1	-4.72	0	0
Stage 1	-4.92	0	0
Stage 1	-5.12	0	0
Stage 1	-5.32	0	0
Stage 1	-5.52	0	0
Stage 1	-5.72	0	0
Stage 1	-5.92	0	0
Stage 1	-6.12	0	0
Stage 1	-6.32	0	0
Stage 1	-6.52	0	0
Stage 1	-6.72	0	0
Stage 1	-6.92	0	0
Stage 1	-7.12	0	0
Stage 1	-7.32	0	0
Stage 1	-7.52	0	0
Stage 1	-7.72	0	0
Stage 1	-7.92	0	0
Stage 1	-8.12	0	0
Stage 1	-8.32	0	0
Stage 1	-8.52	0	0
Stage 1	-8.72	0	0
Stage 1	-8.92	0	0
Stage 1	-9.12	0	0
Stage 1	-9.32	0	0
Stage 1	-9.52	0	0
Stage 1	-9.72	0	0
Stage 1	-9.92	0	0
Stage 1	-10.12	0	0
Stage 1	-10.32	0	0
Stage 1	-10.52	0	0
Stage 1	-10.72	0	0
Stage 1	-10.92	0	0
Stage 1	-11.12	0	0
Stage 1	-11.32	0	0
Stage 1	-11.52	0	0
Stage 1	-11.72	0	0
Stage 1	-11.92	0	0
Stage 1	-12.12	0	0
Stage 1	-12.32	0	0
Stage 1	-12.52	0	0
Stage 1	-12.72	0	0
Stage 1	-12.92	0	0

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	-13.12	0	0
Stage 1	-13.32	0	0
Stage 1	-13.52	0	0
Stage 1	-13.72	0	0
Stage 1	-13.92	0	0
Stage 1	-14.12	0	0
Stage 1	-14.32	0	0
Stage 1	-14.52	0	0
Stage 1	-14.72	0	0
Stage 1	-14.92	0	0
Stage 1	-15.12	0	0
Stage 1	-15.32	0	0
Stage 1	-15.52	0	0
Stage 1	-15.72	0	0
Stage 1	-15.92	0	0
Stage 1	-16.12	0	0
Stage 1	-16.32	0	0
Stage 1	-16.52	0	0

5.3.2. Tabella Risultati Paratia Nominal - Stage: Stage 2-Prescavo

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2-Prescavo	-0.32	0	0
Stage 2-Prescavo	-0.52	0	0
Stage 2-Prescavo	-0.72	0	0
Stage 2-Prescavo	-0.92	0	0
Stage 2-Prescavo	-1.12	0	0
Stage 2-Prescavo	-1.32	0	0
Stage 2-Prescavo	-1.52	0	0
Stage 2-Prescavo	-1.72	0	0
Stage 2-Prescavo	-1.92	0	0
Stage 2-Prescavo	-2.12	0	0
Stage 2-Prescavo	-2.32	0	0
Stage 2-Prescavo	-2.52	0	0
Stage 2-Prescavo	-2.72	0	0
Stage 2-Prescavo	-2.92	0	0
Stage 2-Prescavo	-3.12	0	0
Stage 2-Prescavo	-3.32	0	0
Stage 2-Prescavo	-3.52	0	0
Stage 2-Prescavo	-3.72	0	0
Stage 2-Prescavo	-3.92	0	0
Stage 2-Prescavo	-4.12	0	0
Stage 2-Prescavo	-4.32	0	0
Stage 2-Prescavo	-4.52	0	0
Stage 2-Prescavo	-4.72	0	0
Stage 2-Prescavo	-4.92	0	0
Stage 2-Prescavo	-5.12	0	0
Stage 2-Prescavo	-5.32	0	0
Stage 2-Prescavo	-5.52	0	0
Stage 2-Prescavo	-5.72	0	0
Stage 2-Prescavo	-5.92	0	0
Stage 2-Prescavo	-6.12	0	0
Stage 2-Prescavo	-6.32	0	0
Stage 2-Prescavo	-6.52	0	0
Stage 2-Prescavo	-6.72	0	0
Stage 2-Prescavo	-6.92	0	0
Stage 2-Prescavo	-7.12	0	0
Stage 2-Prescavo	-7.32	0	0
Stage 2-Prescavo	-7.52	0	0
Stage 2-Prescavo	-7.72	0	0
Stage 2-Prescavo	-7.92	0	0
Stage 2-Prescavo	-8.12	0	0
Stage 2-Prescavo	-8.32	0	0
Stage 2-Prescavo	-8.52	0	0
Stage 2-Prescavo	-8.72	0	0
Stage 2-Prescavo	-8.92	0	0
Stage 2-Prescavo	-9.12	0	0
Stage 2-Prescavo	-9.32	0	0
Stage 2-Prescavo	-9.52	0	0
Stage 2-Prescavo	-9.72	0	0
Stage 2-Prescavo	-9.92	0	0
Stage 2-Prescavo	-10.12	0	0
Stage 2-Prescavo	-10.32	0	0
Stage 2-Prescavo	-10.52	0	0
Stage 2-Prescavo	-10.72	0	0
Stage 2-Prescavo	-10.92	0	0
Stage 2-Prescavo	-11.12	0	0
Stage 2-Prescavo	-11.32	0	0
Stage 2-Prescavo	-11.52	0	0
Stage 2-Prescavo	-11.72	0	0
Stage 2-Prescavo	-11.92	0	0
Stage 2-Prescavo	-12.12	0	0
Stage 2-Prescavo	-12.32	0	0
Stage 2-Prescavo	-12.52	0	0
Stage 2-Prescavo	-12.72	0	0
Stage 2-Prescavo	-12.92	0	0
Stage 2-Prescavo	-13.12	0	0
Stage 2-Prescavo	-13.32	0	0
Stage 2-Prescavo	-13.52	0	0

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2-Prescavo	-13.72	0	0
Stage 2-Prescavo	-13.92	0	0
Stage 2-Prescavo	-14.12	0	0
Stage 2-Prescavo	-14.32	0	0
Stage 2-Prescavo	-14.52	0	0
Stage 2-Prescavo	-14.72	0	0
Stage 2-Prescavo	-14.92	0	0
Stage 2-Prescavo	-15.12	0	0
Stage 2-Prescavo	-15.32	0	0
Stage 2-Prescavo	-15.52	0	0
Stage 2-Prescavo	-15.72	0	0
Stage 2-Prescavo	-15.92	0	0
Stage 2-Prescavo	-16.12	0	0
Stage 2-Prescavo	-16.32	0	0
Stage 2-Prescavo	-16.52	0	0

5.3.3. Tabella Risultati Paratia Nominal - Stage: Stage 3-Paratia

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-0.32	0	0
Stage 3-Paratia	-0.52	0	0
Stage 3-Paratia	-0.52	0	0
Stage 3-Paratia	-0.72	0	0
Stage 3-Paratia	-0.92	0	0
Stage 3-Paratia	-1.12	0	0
Stage 3-Paratia	-1.32	0	0
Stage 3-Paratia	-1.52	0	0
Stage 3-Paratia	-1.72	0	0
Stage 3-Paratia	-1.92	0	0
Stage 3-Paratia	-2.12	0	0
Stage 3-Paratia	-2.32	0	0
Stage 3-Paratia	-2.52	0	0
Stage 3-Paratia	-2.72	0	0
Stage 3-Paratia	-2.92	0	0
Stage 3-Paratia	-3.12	0	0
Stage 3-Paratia	-3.32	0	0
Stage 3-Paratia	-3.52	0	0
Stage 3-Paratia	-3.72	0	0
Stage 3-Paratia	-3.92	0	0
Stage 3-Paratia	-4.12	0	0
Stage 3-Paratia	-4.32	0	0
Stage 3-Paratia	-4.32	0	0
Stage 3-Paratia	-4.52	0	0
Stage 3-Paratia	-4.52	0	0
Stage 3-Paratia	-4.72	0	0
Stage 3-Paratia	-4.72	0	0
Stage 3-Paratia	-4.92	0	0
Stage 3-Paratia	-4.92	0	0
Stage 3-Paratia	-5.12	0	0
Stage 3-Paratia	-5.12	0	0
Stage 3-Paratia	-5.32	0	0
Stage 3-Paratia	-5.32	0	0
Stage 3-Paratia	-5.52	0	0
Stage 3-Paratia	-5.52	0	0
Stage 3-Paratia	-5.72	0	0
Stage 3-Paratia	-5.72	0	0
Stage 3-Paratia	-5.92	0	0
Stage 3-Paratia	-5.92	0	0
Stage 3-Paratia	-6.12	0	0
Stage 3-Paratia	-6.12	0	0
Stage 3-Paratia	-6.32	0	0
Stage 3-Paratia	-6.32	0	0
Stage 3-Paratia	-6.52	0	0
Stage 3-Paratia	-6.52	0	0
Stage 3-Paratia	-6.72	0	0
Stage 3-Paratia	-6.72	0	0
Stage 3-Paratia	-6.92	0	0
Stage 3-Paratia	-6.92	0	0
Stage 3-Paratia	-7.12	0	0
Stage 3-Paratia	-7.12	0	0
Stage 3-Paratia	-7.32	0	0
Stage 3-Paratia	-7.32	0	0
Stage 3-Paratia	-7.52	0	0
Stage 3-Paratia	-7.52	0	0
Stage 3-Paratia	-7.72	0	0
Stage 3-Paratia	-7.72	0	0
Stage 3-Paratia	-7.92	0	0
Stage 3-Paratia	-7.92	0	0
Stage 3-Paratia	-8.12	0	0
Stage 3-Paratia	-8.12	0	0
Stage 3-Paratia	-8.32	0	0
Stage 3-Paratia	-8.32	0	0
Stage 3-Paratia	-8.52	0	0
Stage 3-Paratia	-8.52	0	0
Stage 3-Paratia	-8.72	0	0
Stage 3-Paratia	-8.72	0	0

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-8.92	0	0
Stage 3-Paratia	-8.92	0	0
Stage 3-Paratia	-9.12	0	0
Stage 3-Paratia	-9.12	0	0
Stage 3-Paratia	-9.32	0	0
Stage 3-Paratia	-9.32	0	0
Stage 3-Paratia	-9.52	0	0
Stage 3-Paratia	-9.52	0	0
Stage 3-Paratia	-9.72	0	0
Stage 3-Paratia	-9.72	0	0
Stage 3-Paratia	-9.92	0	0
Stage 3-Paratia	-9.92	0	0
Stage 3-Paratia	-10.12	0	0
Stage 3-Paratia	-10.12	0	0
Stage 3-Paratia	-10.32	0	0
Stage 3-Paratia	-10.32	0	0
Stage 3-Paratia	-10.52	0	0
Stage 3-Paratia	-10.52	0	0
Stage 3-Paratia	-10.72	0	0
Stage 3-Paratia	-10.72	0	0
Stage 3-Paratia	-10.92	0	0
Stage 3-Paratia	-10.92	0	0
Stage 3-Paratia	-11.12	0	0
Stage 3-Paratia	-11.12	0	0
Stage 3-Paratia	-11.32	0	0
Stage 3-Paratia	-11.32	0	0
Stage 3-Paratia	-11.52	0	0
Stage 3-Paratia	-11.52	0	0
Stage 3-Paratia	-11.72	0	0
Stage 3-Paratia	-11.72	0	0
Stage 3-Paratia	-11.92	0	0
Stage 3-Paratia	-11.92	0	0
Stage 3-Paratia	-12.12	0	0
Stage 3-Paratia	-12.12	0	0
Stage 3-Paratia	-12.32	0	0
Stage 3-Paratia	-12.32	0	0
Stage 3-Paratia	-12.52	0	0
Stage 3-Paratia	-12.52	0	0
Stage 3-Paratia	-12.72	0	0
Stage 3-Paratia	-12.72	0	0
Stage 3-Paratia	-12.92	0	0
Stage 3-Paratia	-12.92	0	0
Stage 3-Paratia	-13.12	0	0
Stage 3-Paratia	-13.12	0	0
Stage 3-Paratia	-13.32	0	0
Stage 3-Paratia	-13.32	0	0
Stage 3-Paratia	-13.52	0	0
Stage 3-Paratia	-13.52	0	0
Stage 3-Paratia	-13.72	0	0
Stage 3-Paratia	-13.72	0	0
Stage 3-Paratia	-13.92	0	0
Stage 3-Paratia	-13.92	0	0
Stage 3-Paratia	-14.12	0	0
Stage 3-Paratia	-14.12	0	0
Stage 3-Paratia	-14.32	0	0
Stage 3-Paratia	-14.32	0	0
Stage 3-Paratia	-14.52	0	0
Stage 3-Paratia	-14.52	0	0
Stage 3-Paratia	-14.72	0	0
Stage 3-Paratia	-14.72	0	0
Stage 3-Paratia	-14.92	0	0
Stage 3-Paratia	-14.92	0	0
Stage 3-Paratia	-15.12	0	0
Stage 3-Paratia	-15.12	0	0
Stage 3-Paratia	-15.32	0	0
Stage 3-Paratia	-15.32	0	0
Stage 3-Paratia	-15.52	0	0
Stage 3-Paratia	-15.52	0	0
Stage 3-Paratia	-15.72	0	0
Stage 3-Paratia	-15.72	0	0
Stage 3-Paratia	-15.92	0	0

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-15.92	0	0
Stage 3-Paratia	-16.12	0	0
Stage 3-Paratia	-16.12	0	0
Stage 3-Paratia	-16.32	0	0
Stage 3-Paratia	-16.32	0	0
Stage 3-Paratia	-16.52	0	0

5.3.4. Tabella Risultati Paratia Nominal - Stage: Stage 4-Scavo H=1.5m

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=1.5m	-0.32	0	0
Stage 4-Scavo H=1.5m	-0.52	0	0
Stage 4-Scavo H=1.5m	-0.52	0	0
Stage 4-Scavo H=1.5m	-0.72	-0.08	-0.39
Stage 4-Scavo H=1.5m	-0.92	-0.31	-1.16
Stage 4-Scavo H=1.5m	-1.12	-0.77	-2.32
Stage 4-Scavo H=1.5m	-1.32	-1.55	-3.87
Stage 4-Scavo H=1.5m	-1.52	-2.71	-5.8
Stage 4-Scavo H=1.5m	-1.72	-4.33	-8.12
Stage 4-Scavo H=1.5m	-1.92	-6.5	-10.83
Stage 4-Scavo H=1.5m	-2.12	-9.11	-13.07
Stage 4-Scavo H=1.5m	-2.32	-11.91	-14
Stage 4-Scavo H=1.5m	-2.52	-14.64	-13.61
Stage 4-Scavo H=1.5m	-2.72	-17.21	-12.88
Stage 4-Scavo H=1.5m	-2.92	-19.64	-12.16
Stage 4-Scavo H=1.5m	-3.12	-21.94	-11.48
Stage 4-Scavo H=1.5m	-3.32	-24.1	-10.82
Stage 4-Scavo H=1.5m	-3.52	-26.14	-10.2
Stage 4-Scavo H=1.5m	-3.72	-28.06	-9.6
Stage 4-Scavo H=1.5m	-3.92	-29.87	-9.04
Stage 4-Scavo H=1.5m	-4.12	-31.58	-8.52
Stage 4-Scavo H=1.5m	-4.32	-33.18	-8.02
Stage 4-Scavo H=1.5m	-4.52	-34.7	-7.58
Stage 4-Scavo H=1.5m	-4.72	-35.82	-5.62
Stage 4-Scavo H=1.5m	-4.92	-36.58	-3.81
Stage 4-Scavo H=1.5m	-5.12	-37.02	-2.16
Stage 4-Scavo H=1.5m	-5.32	-37.15	-0.66
Stage 4-Scavo H=1.5m	-5.52	-37.01	0.7
Stage 4-Scavo H=1.5m	-5.72	-36.62	1.92
Stage 4-Scavo H=1.5m	-5.92	-36.02	3.02
Stage 4-Scavo H=1.5m	-6.12	-35.22	3.99
Stage 4-Scavo H=1.5m	-6.32	-34.25	4.85
Stage 4-Scavo H=1.5m	-6.52	-33.13	5.6
Stage 4-Scavo H=1.5m	-6.72	-31.89	6.24
Stage 4-Scavo H=1.5m	-6.92	-30.53	6.79
Stage 4-Scavo H=1.5m	-7.12	-29.08	7.26
Stage 4-Scavo H=1.5m	-7.32	-27.55	7.64
Stage 4-Scavo H=1.5m	-7.52	-25.96	7.94
Stage 4-Scavo H=1.5m	-7.72	-24.33	8.17
Stage 4-Scavo H=1.5m	-7.92	-22.66	8.33
Stage 4-Scavo H=1.5m	-8.12	-20.98	8.42
Stage 4-Scavo H=1.5m	-8.32	-19.29	8.46
Stage 4-Scavo H=1.5m	-8.52	-17.6	8.44
Stage 4-Scavo H=1.5m	-8.72	-15.92	8.38
Stage 4-Scavo H=1.5m	-8.92	-14.27	8.26
Stage 4-Scavo H=1.5m	-9.12	-12.65	8.1
Stage 4-Scavo H=1.5m	-9.32	-11.07	7.89
Stage 4-Scavo H=1.5m	-9.52	-9.54	7.65
Stage 4-Scavo H=1.5m	-9.72	-8.07	7.37
Stage 4-Scavo H=1.5m	-9.92	-6.66	7.05
Stage 4-Scavo H=1.5m	-10.12	-5.32	6.7
Stage 4-Scavo H=1.5m	-10.32	-4.05	6.32
Stage 4-Scavo H=1.5m	-10.52	-2.87	5.9
Stage 4-Scavo H=1.5m	-10.72	-1.78	5.45
Stage 4-Scavo H=1.5m	-10.92	-0.79	4.97
Stage 4-Scavo H=1.5m	-11.12	0.11	4.46
Stage 4-Scavo H=1.5m	-11.32	0.89	3.92
Stage 4-Scavo H=1.5m	-11.52	1.56	3.35
Stage 4-Scavo H=1.5m	-11.72	2.11	2.75
Stage 4-Scavo H=1.5m	-11.92	2.53	2.12
Stage 4-Scavo H=1.5m	-12.12	2.82	1.45
Stage 4-Scavo H=1.5m	-12.32	2.97	0.75
Stage 4-Scavo H=1.5m	-12.52	2.98	0.02
Stage 4-Scavo H=1.5m	-12.72	2.83	-0.74
Stage 4-Scavo H=1.5m	-12.92	2.53	-1.54
Stage 4-Scavo H=1.5m	-13.12	2.05	-2.37
Stage 4-Scavo H=1.5m	-13.32	1.4	-3.23

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=1.5m	-13.52	0.58	-4.14
Stage 4-Scavo H=1.5m	-13.72	-0.44	-5.07
Stage 4-Scavo H=1.5m	-13.92	-1.65	-6.05
Stage 4-Scavo H=1.5m	-14.12	-2.48	-4.16
Stage 4-Scavo H=1.5m	-14.32	-2.98	-2.51
Stage 4-Scavo H=1.5m	-14.52	-3.2	-1.11
Stage 4-Scavo H=1.5m	-14.72	-3.19	0.06
Stage 4-Scavo H=1.5m	-14.92	-2.99	1
Stage 4-Scavo H=1.5m	-15.12	-2.65	1.71
Stage 4-Scavo H=1.5m	-15.32	-2.21	2.19
Stage 4-Scavo H=1.5m	-15.52	-1.72	2.45
Stage 4-Scavo H=1.5m	-15.72	-1.22	2.49
Stage 4-Scavo H=1.5m	-15.92	-0.76	2.32
Stage 4-Scavo H=1.5m	-16.12	-0.37	1.93
Stage 4-Scavo H=1.5m	-16.32	-0.1	1.33
Stage 4-Scavo H=1.5m	-16.52	0	0.51

5.3.5. Tabella Risultati Paratia Nominal - Stage: Stage 5-Scavo H=3m

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=3m	-0.32	0	0
Stage 5-Scavo H=3m	-0.52	0	0
Stage 5-Scavo H=3m	-0.52	0	0
Stage 5-Scavo H=3m	-0.72	-0.08	-0.39
Stage 5-Scavo H=3m	-0.92	-0.31	-1.16
Stage 5-Scavo H=3m	-1.12	-0.77	-2.32
Stage 5-Scavo H=3m	-1.32	-1.55	-3.87
Stage 5-Scavo H=3m	-1.52	-2.71	-5.8
Stage 5-Scavo H=3m	-1.72	-4.33	-8.12
Stage 5-Scavo H=3m	-1.92	-6.5	-10.83
Stage 5-Scavo H=3m	-2.12	-9.28	-13.93
Stage 5-Scavo H=3m	-2.32	-12.77	-17.41
Stage 5-Scavo H=3m	-2.52	-17.02	-21.28
Stage 5-Scavo H=3m	-2.72	-22.13	-25.53
Stage 5-Scavo H=3m	-2.92	-28.16	-30.17
Stage 5-Scavo H=3m	-3.12	-35.2	-35.2
Stage 5-Scavo H=3m	-3.32	-43.33	-40.62
Stage 5-Scavo H=3m	-3.52	-52.61	-46.42
Stage 5-Scavo H=3m	-3.72	-62.79	-50.91
Stage 5-Scavo H=3m	-3.92	-73.61	-54.07
Stage 5-Scavo H=3m	-4.12	-84.79	-55.93
Stage 5-Scavo H=3m	-4.32	-96.08	-56.46
Stage 5-Scavo H=3m	-4.52	-107.22	-55.68
Stage 5-Scavo H=3m	-4.72	-117.44	-51.08
Stage 5-Scavo H=3m	-4.92	-126.77	-46.67
Stage 5-Scavo H=3m	-5.12	-135.24	-42.36
Stage 5-Scavo H=3m	-5.32	-142.87	-38.13
Stage 5-Scavo H=3m	-5.52	-149.67	-34
Stage 5-Scavo H=3m	-5.72	-155.66	-29.94
Stage 5-Scavo H=3m	-5.92	-160.85	-25.97
Stage 5-Scavo H=3m	-6.12	-165.27	-22.09
Stage 5-Scavo H=3m	-6.32	-168.92	-18.28
Stage 5-Scavo H=3m	-6.52	-171.83	-14.54
Stage 5-Scavo H=3m	-6.72	-174.01	-10.88
Stage 5-Scavo H=3m	-6.92	-175.47	-7.3
Stage 5-Scavo H=3m	-7.12	-176.22	-3.77
Stage 5-Scavo H=3m	-7.32	-176.29	-0.32
Stage 5-Scavo H=3m	-7.52	-175.67	3.08
Stage 5-Scavo H=3m	-7.72	-174.41	6.33
Stage 5-Scavo H=3m	-7.92	-172.53	9.39
Stage 5-Scavo H=3m	-8.12	-170.07	12.29
Stage 5-Scavo H=3m	-8.32	-167.07	15.01
Stage 5-Scavo H=3m	-8.52	-163.55	17.59
Stage 5-Scavo H=3m	-8.72	-159.55	20.01
Stage 5-Scavo H=3m	-8.92	-155.09	22.29
Stage 5-Scavo H=3m	-9.12	-150.23	24.3
Stage 5-Scavo H=3m	-9.32	-145.03	26
Stage 5-Scavo H=3m	-9.52	-139.55	27.41
Stage 5-Scavo H=3m	-9.72	-133.84	28.55
Stage 5-Scavo H=3m	-9.92	-127.95	29.42
Stage 5-Scavo H=3m	-10.12	-121.94	30.05
Stage 5-Scavo H=3m	-10.32	-115.86	30.44
Stage 5-Scavo H=3m	-10.52	-109.73	30.62
Stage 5-Scavo H=3m	-10.72	-103.62	30.58
Stage 5-Scavo H=3m	-10.92	-97.54	30.36
Stage 5-Scavo H=3m	-11.12	-91.56	29.94
Stage 5-Scavo H=3m	-11.32	-85.68	29.36
Stage 5-Scavo H=3m	-11.52	-79.96	28.6
Stage 5-Scavo H=3m	-11.72	-74.43	27.69
Stage 5-Scavo H=3m	-11.92	-69.1	26.63
Stage 5-Scavo H=3m	-12.12	-64.01	25.43
Stage 5-Scavo H=3m	-12.32	-59.19	24.1
Stage 5-Scavo H=3m	-12.52	-54.67	22.63
Stage 5-Scavo H=3m	-12.72	-50.46	21.05
Stage 5-Scavo H=3m	-12.92	-46.59	19.34
Stage 5-Scavo H=3m	-13.12	-43.08	17.53
Stage 5-Scavo H=3m	-13.32	-39.96	15.61

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=3m	-13.52	-37.25	13.58
Stage 5-Scavo H=3m	-13.72	-34.95	11.45
Stage 5-Scavo H=3m	-13.92	-33.11	9.23
Stage 5-Scavo H=3m	-14.12	-30.71	12
Stage 5-Scavo H=3m	-14.32	-27.88	14.16
Stage 5-Scavo H=3m	-14.52	-24.73	15.71
Stage 5-Scavo H=3m	-14.72	-21.4	16.69
Stage 5-Scavo H=3m	-14.92	-17.97	17.12
Stage 5-Scavo H=3m	-15.12	-14.57	17
Stage 5-Scavo H=3m	-15.32	-11.3	16.36
Stage 5-Scavo H=3m	-15.52	-8.26	15.21
Stage 5-Scavo H=3m	-15.72	-5.55	13.55
Stage 5-Scavo H=3m	-15.92	-3.27	11.4
Stage 5-Scavo H=3m	-16.12	-1.52	8.75
Stage 5-Scavo H=3m	-16.32	-0.4	5.61
Stage 5-Scavo H=3m	-16.52	0	1.98

5.3.6. Tabella Risultati Paratia Nominal - Stage: Stage 6-Scavo H=4.84m

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=4.84m	-0.32	0	0
Stage 6-Scavo H=4.84m	-0.52	0	0
Stage 6-Scavo H=4.84m	-0.52	0	0
Stage 6-Scavo H=4.84m	-0.72	-0.08	-0.39
Stage 6-Scavo H=4.84m	-0.92	-0.31	-1.16
Stage 6-Scavo H=4.84m	-1.12	-0.77	-2.32
Stage 6-Scavo H=4.84m	-1.32	-1.55	-3.87
Stage 6-Scavo H=4.84m	-1.52	-2.71	-5.8
Stage 6-Scavo H=4.84m	-1.72	-4.33	-8.12
Stage 6-Scavo H=4.84m	-1.92	-6.5	-10.83
Stage 6-Scavo H=4.84m	-2.12	-9.28	-13.93
Stage 6-Scavo H=4.84m	-2.32	-12.77	-17.41
Stage 6-Scavo H=4.84m	-2.52	-17.02	-21.28
Stage 6-Scavo H=4.84m	-2.72	-22.13	-25.53
Stage 6-Scavo H=4.84m	-2.92	-28.16	-30.17
Stage 6-Scavo H=4.84m	-3.12	-35.2	-35.2
Stage 6-Scavo H=4.84m	-3.32	-43.33	-40.62
Stage 6-Scavo H=4.84m	-3.52	-52.61	-46.42
Stage 6-Scavo H=4.84m	-3.72	-63.13	-52.61
Stage 6-Scavo H=4.84m	-3.92	-74.97	-59.19
Stage 6-Scavo H=4.84m	-4.12	-88.2	-66.15
Stage 6-Scavo H=4.84m	-4.32	-102.9	-73.5
Stage 6-Scavo H=4.84m	-4.52	-119.15	-81.24
Stage 6-Scavo H=4.84m	-4.72	-136.41	-86.3
Stage 6-Scavo H=4.84m	-4.92	-154.75	-91.73
Stage 6-Scavo H=4.84m	-5.12	-174.26	-97.54
Stage 6-Scavo H=4.84m	-5.32	-195	-103.72
Stage 6-Scavo H=4.84m	-5.52	-215.23	-101.1
Stage 6-Scavo H=4.84m	-5.72	-234.54	-96.56
Stage 6-Scavo H=4.84m	-5.92	-252.65	-90.58
Stage 6-Scavo H=4.84m	-6.12	-269.37	-83.6
Stage 6-Scavo H=4.84m	-6.32	-284.66	-76.44
Stage 6-Scavo H=4.84m	-6.52	-298.56	-69.48
Stage 6-Scavo H=4.84m	-6.72	-311.1	-62.73
Stage 6-Scavo H=4.84m	-6.92	-322.34	-56.19
Stage 6-Scavo H=4.84m	-7.12	-332.31	-49.84
Stage 6-Scavo H=4.84m	-7.32	-341.05	-43.7
Stage 6-Scavo H=4.84m	-7.52	-348.6	-37.75
Stage 6-Scavo H=4.84m	-7.72	-354.99	-31.99
Stage 6-Scavo H=4.84m	-7.92	-360.28	-26.42
Stage 6-Scavo H=4.84m	-8.12	-364.49	-21.04
Stage 6-Scavo H=4.84m	-8.32	-367.66	-15.84
Stage 6-Scavo H=4.84m	-8.52	-369.82	-10.82
Stage 6-Scavo H=4.84m	-8.72	-371.02	-5.97
Stage 6-Scavo H=4.84m	-8.92	-371.27	-1.3
Stage 6-Scavo H=4.84m	-9.12	-370.63	3.22
Stage 6-Scavo H=4.84m	-9.32	-369.12	7.57
Stage 6-Scavo H=4.84m	-9.52	-366.77	11.76
Stage 6-Scavo H=4.84m	-9.72	-363.61	15.8
Stage 6-Scavo H=4.84m	-9.92	-359.67	19.69
Stage 6-Scavo H=4.84m	-10.12	-354.98	23.44
Stage 6-Scavo H=4.84m	-10.32	-349.57	27.04
Stage 6-Scavo H=4.84m	-10.52	-343.47	30.51
Stage 6-Scavo H=4.84m	-10.72	-336.7	33.84
Stage 6-Scavo H=4.84m	-10.92	-329.3	37.04
Stage 6-Scavo H=4.84m	-11.12	-321.27	40.12
Stage 6-Scavo H=4.84m	-11.32	-312.66	43.07
Stage 6-Scavo H=4.84m	-11.52	-303.48	45.9
Stage 6-Scavo H=4.84m	-11.72	-293.75	48.62
Stage 6-Scavo H=4.84m	-11.92	-283.51	51.22
Stage 6-Scavo H=4.84m	-12.12	-272.79	53.6
Stage 6-Scavo H=4.84m	-12.32	-261.66	55.63
Stage 6-Scavo H=4.84m	-12.52	-250.2	57.34
Stage 6-Scavo H=4.84m	-12.72	-238.45	58.72
Stage 6-Scavo H=4.84m	-12.92	-226.5	59.78
Stage 6-Scavo H=4.84m	-13.12	-214.39	60.54
Stage 6-Scavo H=4.84m	-13.32	-202.19	61

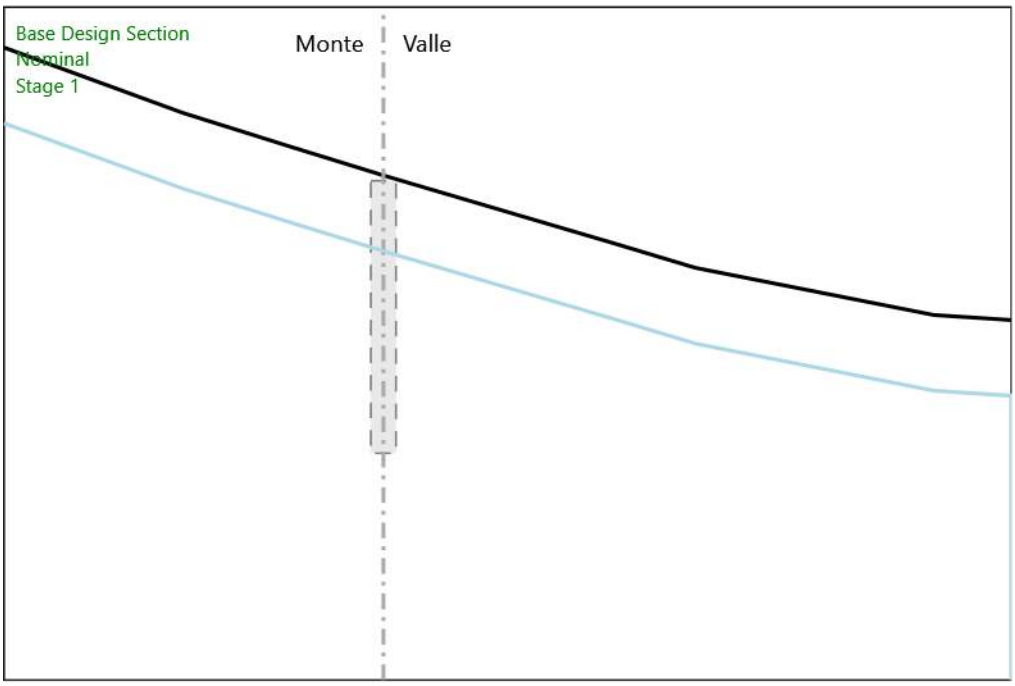
Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=4.84m	-13.52	-189.96	61.16
Stage 6-Scavo H=4.84m	-13.72	-177.75	61.03
Stage 6-Scavo H=4.84m	-13.92	-165.68	60.34
Stage 6-Scavo H=4.84m	-14.12	-152.46	66.09
Stage 6-Scavo H=4.84m	-14.32	-138.22	71.22
Stage 6-Scavo H=4.84m	-14.52	-123.07	75.75
Stage 6-Scavo H=4.84m	-14.72	-107.13	79.68
Stage 6-Scavo H=4.84m	-14.92	-90.56	82.89
Stage 6-Scavo H=4.84m	-15.12	-73.69	84.34
Stage 6-Scavo H=4.84m	-15.32	-57.28	82.05
Stage 6-Scavo H=4.84m	-15.52	-41.95	76.65
Stage 6-Scavo H=4.84m	-15.72	-28.23	68.57
Stage 6-Scavo H=4.84m	-15.92	-16.67	57.82
Stage 6-Scavo H=4.84m	-16.12	-7.75	44.6
Stage 6-Scavo H=4.84m	-16.32	-2	28.75
Stage 6-Scavo H=4.84m	-16.52	0	10

5.3.7. Tabella Risultati Paratia Nominal - Stage: Sismica

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sismica	-0.32	0	-0.51
Sismica	-0.52	-0.1	-0.51
Sismica	-0.72	-0.48	-1.91
Sismica	-0.92	-1.22	-3.7
Sismica	-1.12	-2.4	-5.87
Sismica	-1.32	-4.09	-8.44
Sismica	-1.52	-6.36	-11.39
Sismica	-1.72	-9.31	-14.72
Sismica	-1.92	-13	-18.45
Sismica	-2.12	-17.51	-22.56
Sismica	-2.32	-22.92	-27.05
Sismica	-2.52	-29.31	-31.94
Sismica	-2.72	-36.75	-37.21
Sismica	-2.92	-45.32	-42.86
Sismica	-3.12	-55.1	-48.91
Sismica	-3.32	-66.17	-55.34
Sismica	-3.52	-78.6	-62.16
Sismica	-3.72	-92.47	-69.36
Sismica	-3.92	-107.86	-76.95
Sismica	-4.12	-124.85	-84.93
Sismica	-4.32	-143.51	-93.3
Sismica	-4.52	-163.92	-102.05
Sismica	-4.72	-185.54	-108.12
Sismica	-4.92	-208.46	-114.57
Sismica	-5.12	-232.74	-121.4
Sismica	-5.32	-258.37	-128.19
Sismica	-5.52	-283.57	-125.99
Sismica	-5.72	-307.99	-122.11
Sismica	-5.92	-331.4	-117.05
Sismica	-6.12	-353.65	-111.25
Sismica	-6.32	-374.59	-104.7
Sismica	-6.52	-394.07	-97.38
Sismica	-6.72	-411.93	-89.3
Sismica	-6.92	-428.02	-80.44
Sismica	-7.12	-442.33	-71.57
Sismica	-7.32	-454.93	-62.98
Sismica	-7.52	-465.86	-54.67
Sismica	-7.72	-475.19	-46.64
Sismica	-7.92	-482.96	-38.88
Sismica	-8.12	-489.24	-31.38
Sismica	-8.32	-494.07	-24.15
Sismica	-8.52	-497.51	-17.18
Sismica	-8.72	-499.6	-10.45
Sismica	-8.92	-500.39	-3.98
Sismica	-9.12	-499.94	2.26
Sismica	-9.32	-498.29	8.26
Sismica	-9.52	-495.48	14.03
Sismica	-9.72	-491.56	19.58
Sismica	-9.92	-486.58	24.91
Sismica	-10.12	-480.58	30.02
Sismica	-10.32	-473.59	34.93
Sismica	-10.52	-465.67	39.63
Sismica	-10.72	-456.84	44.13
Sismica	-10.92	-447.15	48.44
Sismica	-11.12	-436.64	52.55
Sismica	-11.32	-425.35	56.49
Sismica	-11.52	-413.3	60.24
Sismica	-11.72	-400.53	63.82
Sismica	-11.92	-387.09	67.23
Sismica	-12.12	-372.99	70.47
Sismica	-12.32	-358.29	73.54
Sismica	-12.52	-342.99	76.46
Sismica	-12.72	-327.15	79.22
Sismica	-12.92	-310.78	81.83
Sismica	-13.12	-293.98	84.01
Sismica	-13.32	-276.84	85.73
Sismica	-13.52	-259.43	87.01

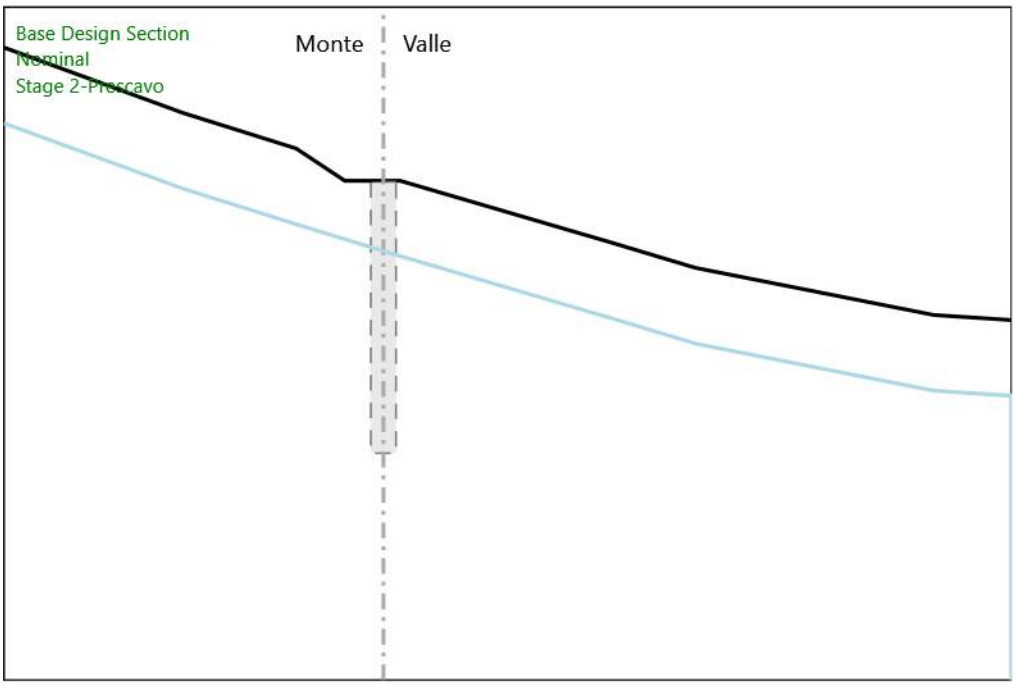
Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Sismica	-13.72	-241.87	87.84
Sismica	-13.92	-224.22	88.25
Sismica	-14.12	-205.13	95.44
Sismica	-14.32	-184.79	101.71
Sismica	-14.52	-163.37	107.06
Sismica	-14.72	-141.07	111.51
Sismica	-14.92	-118.06	115.06
Sismica	-15.12	-94.89	115.82
Sismica	-15.32	-72.74	110.79
Sismica	-15.52	-52.34	101.97
Sismica	-15.72	-34.46	89.38
Sismica	-15.92	-19.86	73.04
Sismica	-16.12	-9.05	54.02
Sismica	-16.32	-2.33	33.64
Sismica	-16.52	0	11.63

5.3.8. Grafico Momento Nominal - Stage: Stage 1



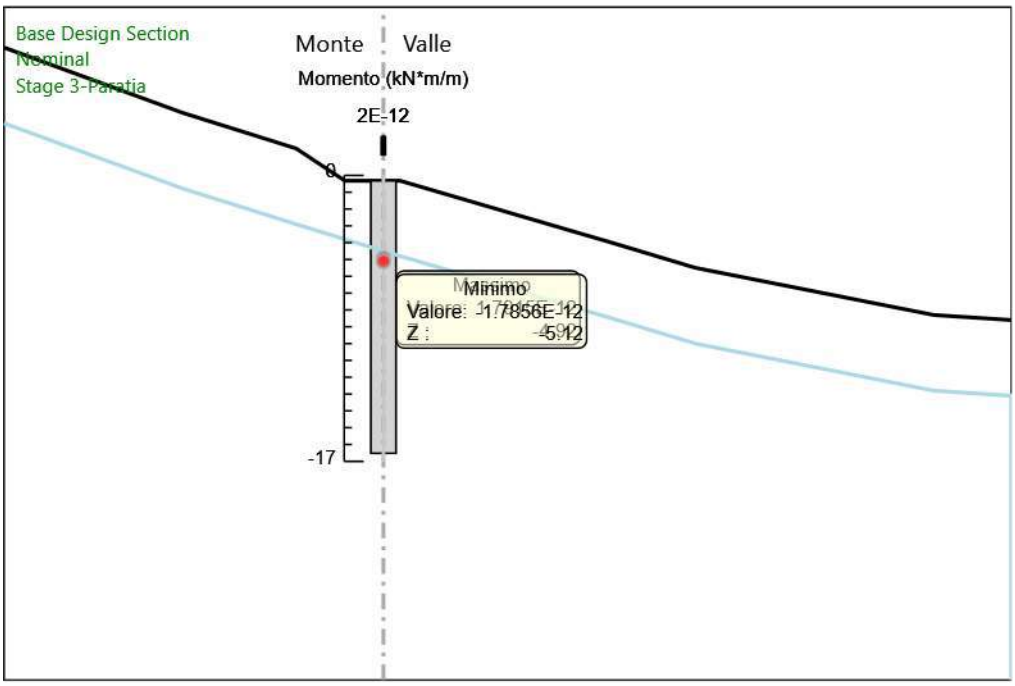
Design Assumption: Nominal
Stage: Stage 1
Momento

5.3.9. Grafico Momento Nominal - Stage: Stage 2-Prescavo



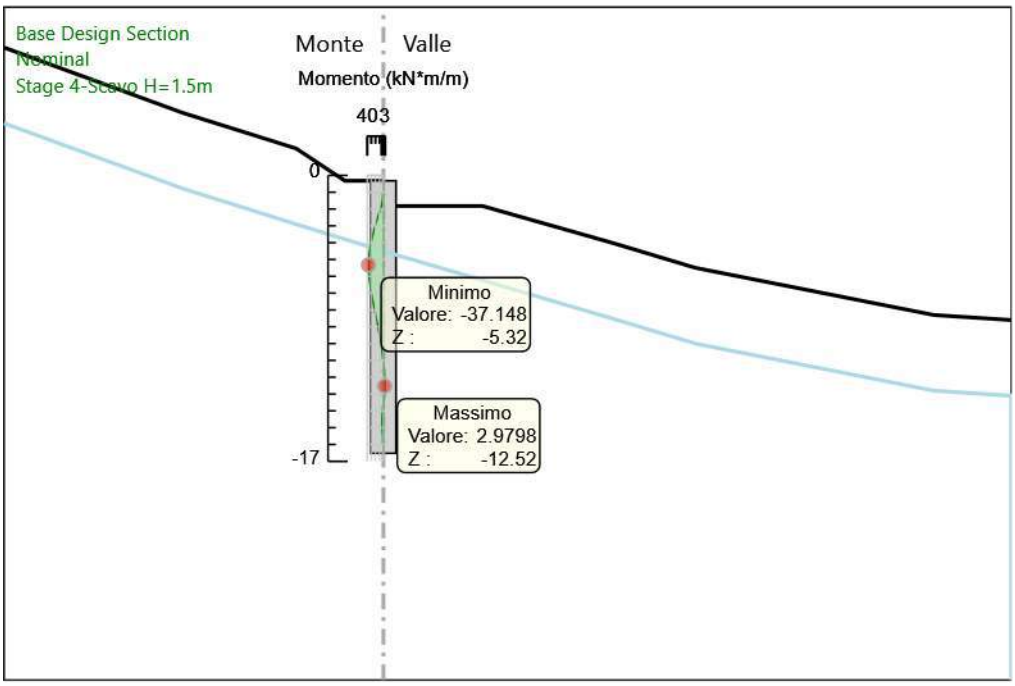
Design Assumption: Nominal
Stage: Stage 2-Prescavo
Momento

5.3.10. Grafico Momento Nominal - Stage: Stage 3-Paratia



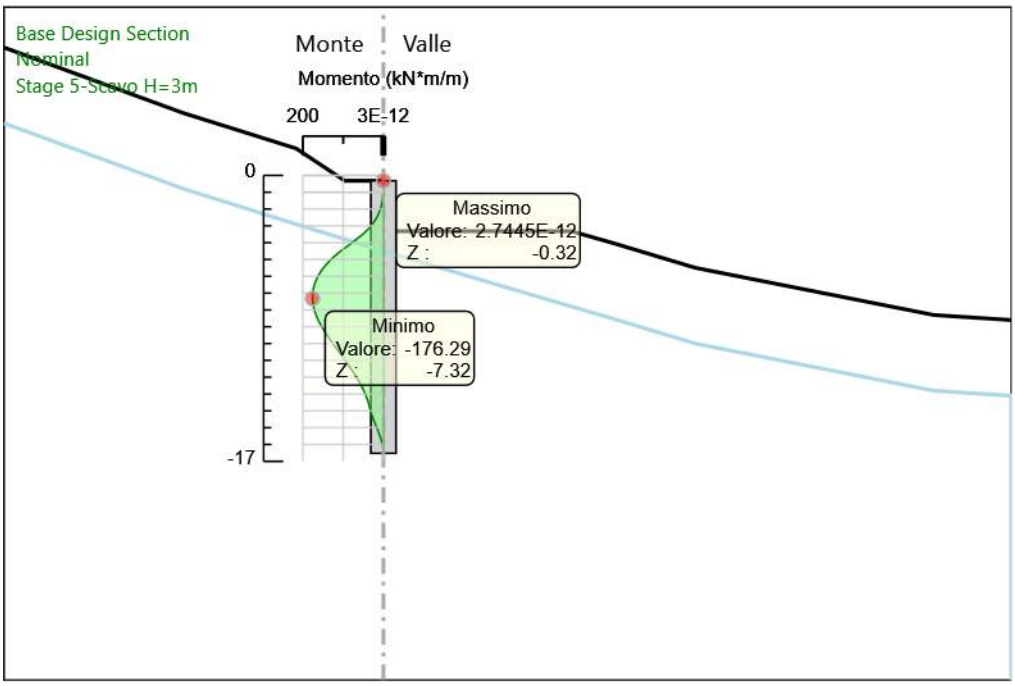
Design Assumption: Nominal
Stage: Stage 3-Paratia
Momento

5.3.11. Grafico Momento Nominal - Stage: Stage 4-Scavo H=1.5m



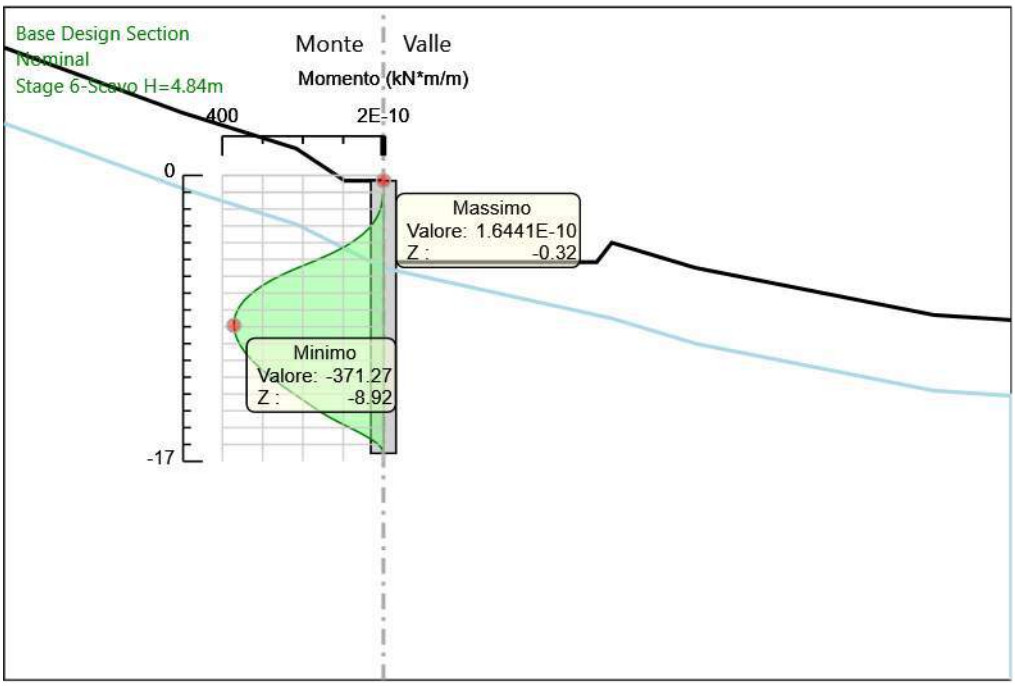
Design Assumption: Nominal
Stage: Stage 4-Scavo H=1.5m
Momento

5.3.12. Grafico Momento Nominal - Stage: Stage 5-Scavo H=3m



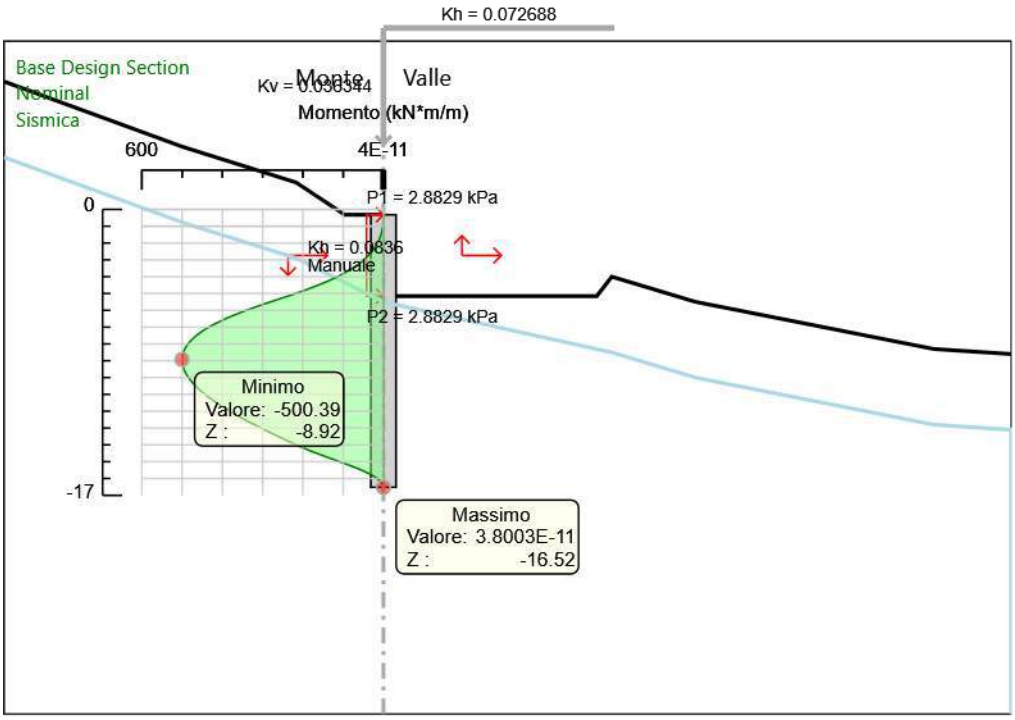
Design Assumption: Nominal
Stage: Stage 5-Scavo H=3m
Momento

5.3.13. Grafico Momento Nominal - Stage: Stage 6-Scavo H=4.84m



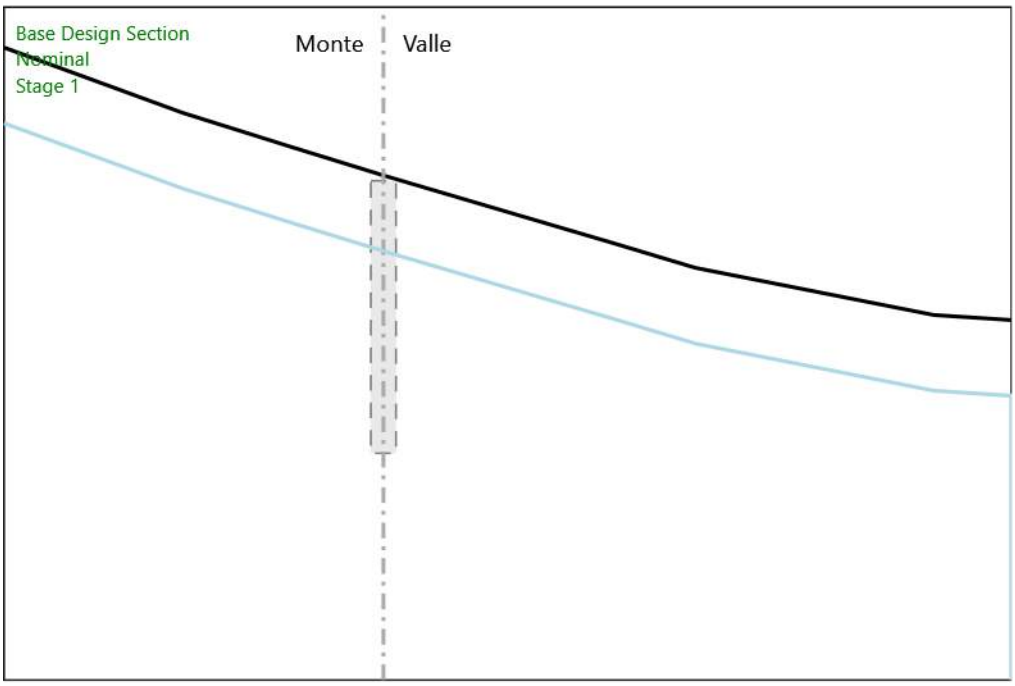
Design Assumption: Nominal
Stage: Stage 6-Scavo H=4.84m
Momento

5.3.14. Grafico Momento Nominal - Stage: Sismica



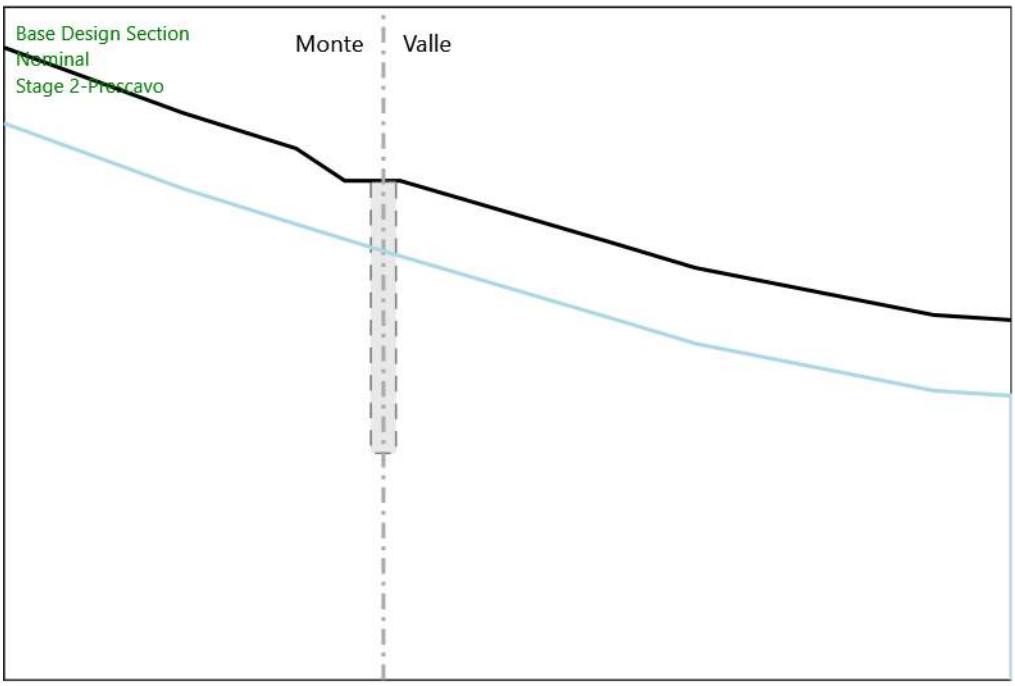
Design Assumption: Nominal
Stage: Sismica
Momento

5.3.15. Grafico Taglio Nominal - Stage: Stage 1



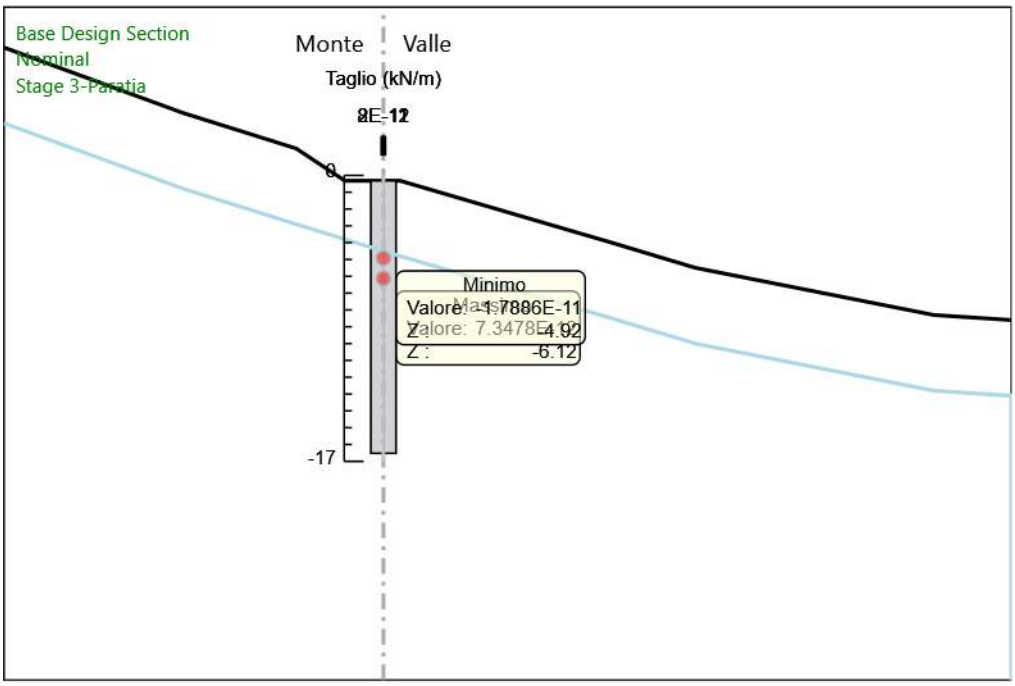
Design Assumption: Nominal
Stage: Stage 1
Taglio

5.3.16. Grafico Taglio Nominal - Stage: Stage 2-Prescavo



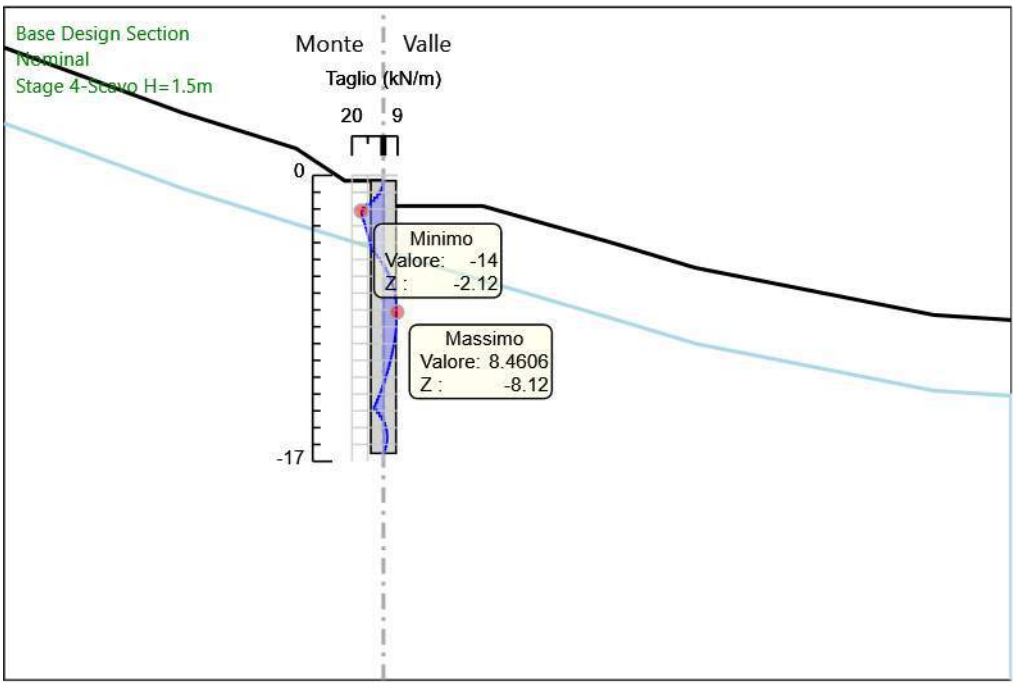
Design Assumption: Nominal
Stage: Stage 2-Prescavo
Taglio

5.3.17. Grafico Taglio Nominal - Stage: Stage 3-Paratia



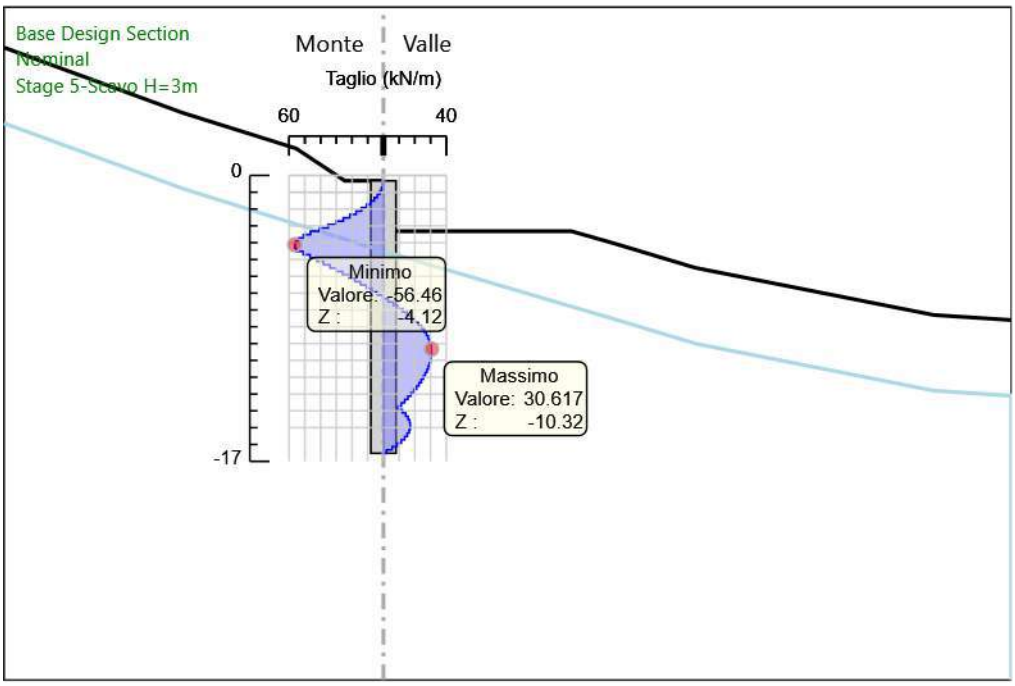
Design Assumption: Nominal
Stage: Stage 3-Paratia
Taglio

5.3.18. Grafico Taglio Nominal - Stage: Stage 4-Scavo H=1.5m



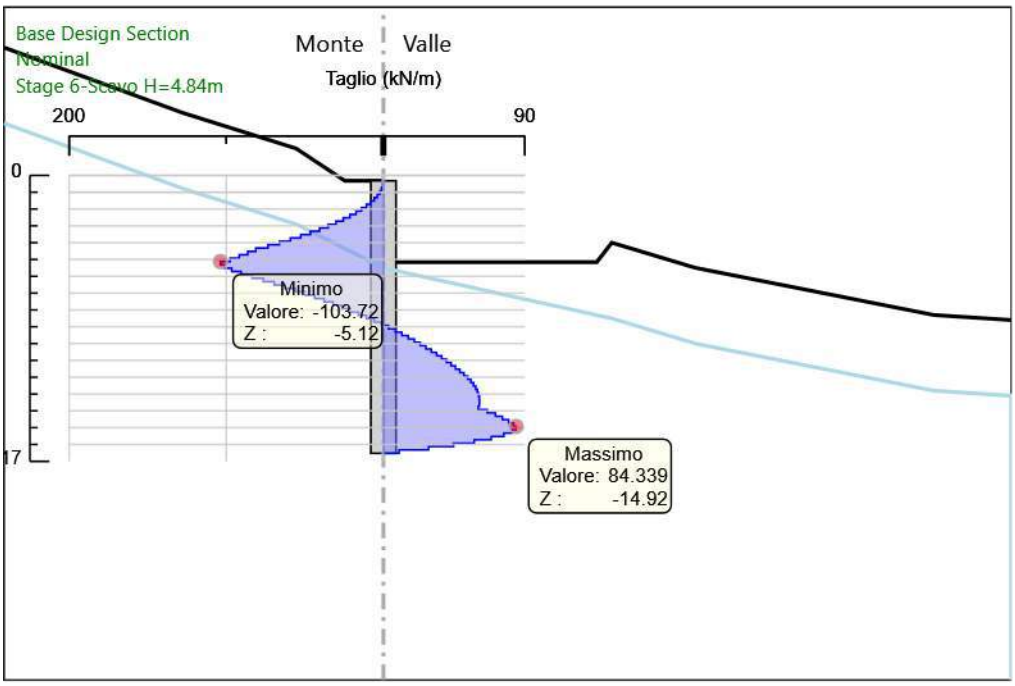
Design Assumption: Nominal
Stage: Stage 4-Scavo H=1.5m
Taglio

5.3.19. Grafico Taglio Nominal - Stage: Stage 5-Scavo H=3m



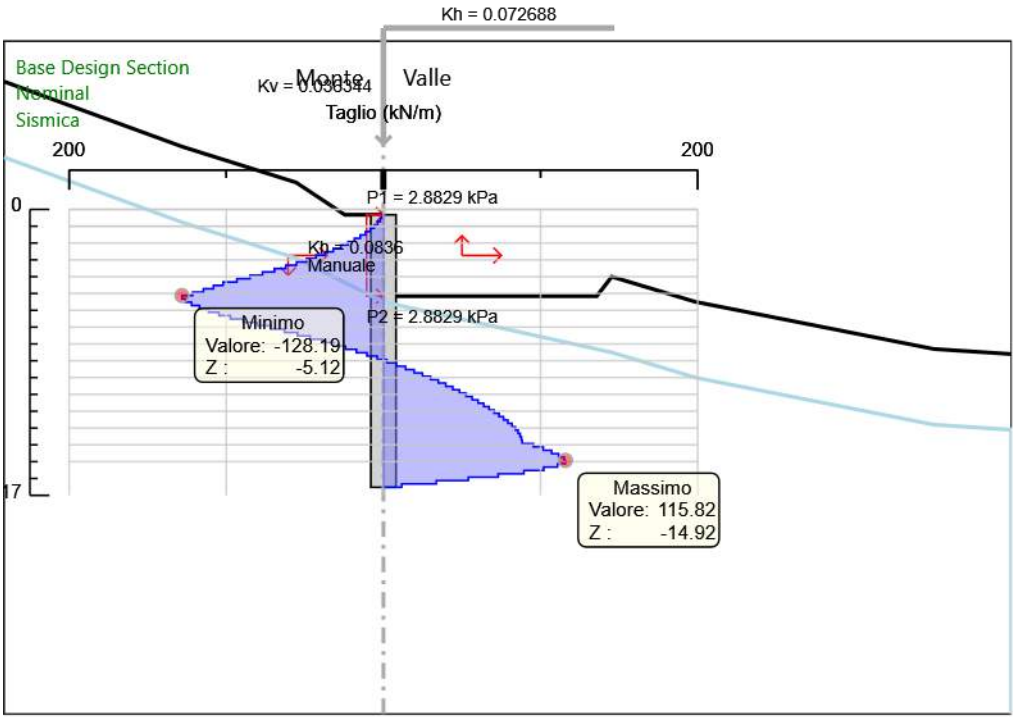
Design Assumption: Nominal
Stage: Stage 5-Scavo H=3m
Taglio

5.3.20. Grafico Taglio Nominal - Stage: Stage 6-Scavo H=4.84m



Design Assumption: Nominal
Stage: Stage 6-Scavo H=4.84m
Taglio

5.3.21. Grafico Taglio Nominal - Stage: Sismica



Design Assumption: Nominal
Stage: Sismica
Taglio

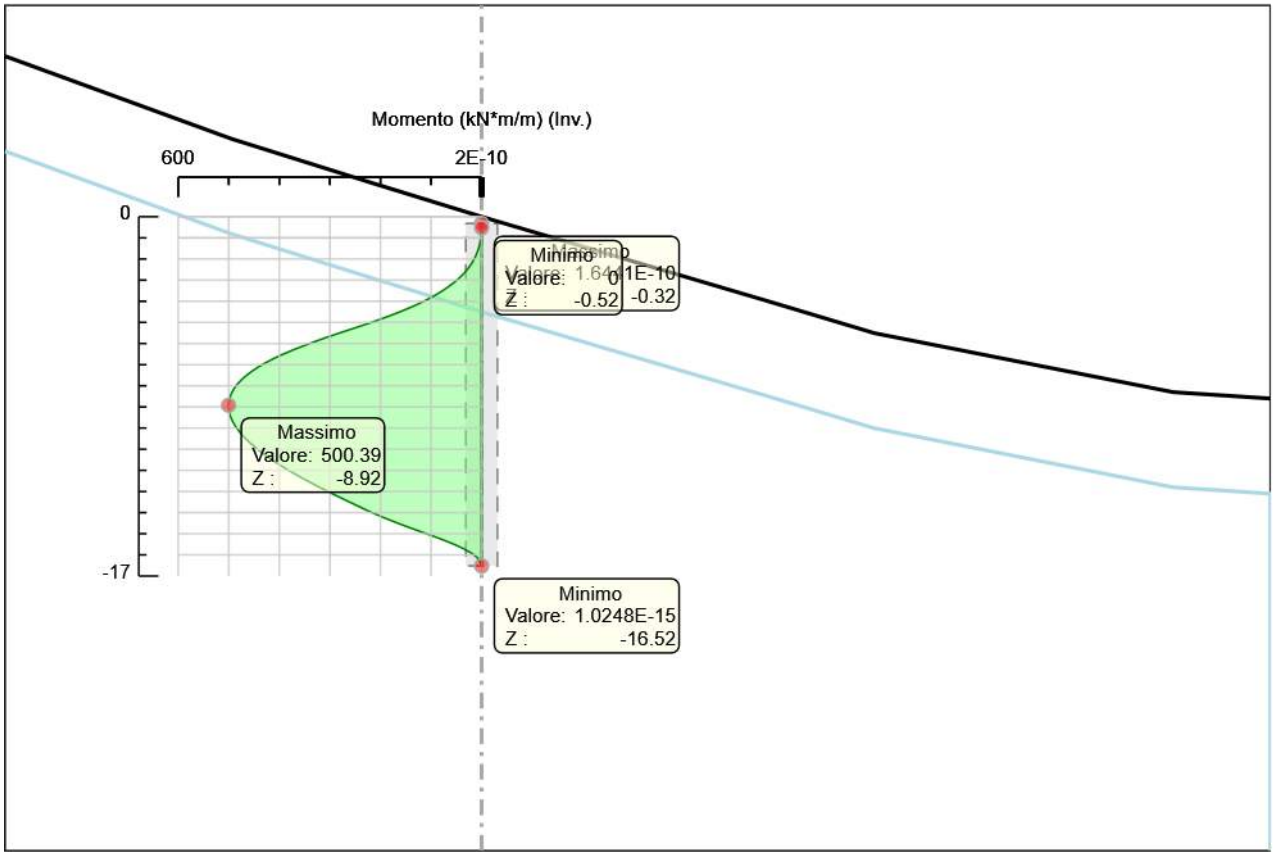
5.4. Inviluppi Risultati Paratia Nominal

5.4.1. Tabella Inviluppi Momento Nominal WallElement

Selected Design Assumptions	Inviluppi: Momento	Muro: WallElement
Z (m)	Lato sinistro (kN*m/m)	Lato destro (kN*m/m)
-0.32	0	0
-0.52	0.102	0
-0.72	0.483	0
-0.92	1.223	0
-1.12	2.398	0
-1.32	4.085	0
-1.52	6.363	0
-1.72	9.307	0
-1.92	12.996	0
-2.12	17.507	0
-2.32	22.918	0
-2.52	29.305	0
-2.72	36.746	0
-2.92	45.319	0
-3.12	55.101	0
-3.32	66.168	0
-3.52	78.6	0
-3.72	92.472	0
-3.92	107.862	0
-4.12	124.849	0
-4.32	143.508	0
-4.52	163.918	0
-4.72	185.542	0
-4.92	208.457	0
-5.12	232.736	0
-5.32	258.374	0
-5.52	283.572	0
-5.72	307.994	0
-5.92	331.404	0
-6.12	353.654	0
-6.32	374.593	0
-6.52	394.069	0
-6.72	411.928	0
-6.92	428.016	0
-7.12	442.33	0
-7.32	454.925	0
-7.52	465.859	0
-7.72	475.187	0
-7.92	482.963	0
-8.12	489.239	0
-8.32	494.07	0
-8.52	497.506	0
-8.72	499.596	0
-8.92	500.391	0
-9.12	499.939	0
-9.32	498.287	0
-9.52	495.48	0
-9.72	491.564	0
-9.92	486.582	0
-10.12	480.578	0
-10.32	473.592	0
-10.52	465.667	0
-10.72	456.842	0
-10.92	447.154	0
-11.12	436.643	0
-11.32	425.346	0
-11.52	413.297	0
-11.72	400.533	0
-11.92	387.087	0
-12.12	372.994	0
-12.32	358.285	0
-12.52	342.993	0
-12.72	327.149	0
-12.92	310.784	0

Selected Design Assumptions	Inviluppi: Momento	Muro: WallElement
Z (m)	Lato sinistro (kN*m/m)	Lato destro (kN*m/m)
-13.12	293.982	0
-13.32	276.836	0
-13.52	259.435	0
-13.72	241.866	0
-13.92	224.217	0
-14.12	205.128	0
-14.32	184.786	0
-14.52	163.373	0
-14.72	141.072	0
-14.92	118.059	0
-15.12	94.895	0
-15.32	72.736	0
-15.52	52.341	0
-15.72	34.465	0
-15.92	19.857	0
-16.12	9.053	0
-16.32	2.326	0
-16.52	0	0

5.4.2. Grafico Inviluppi Momento Nominal



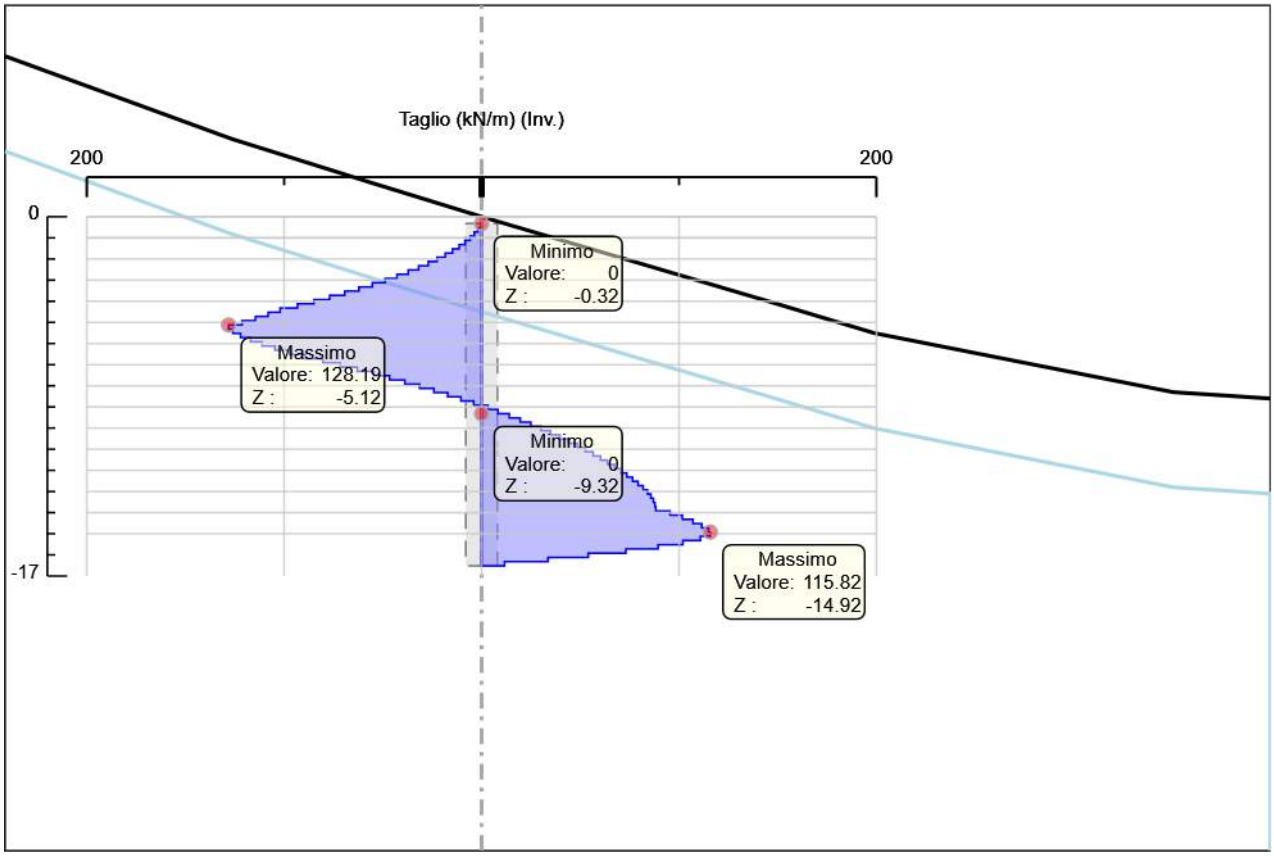
Momento

5.4.3. Tabella Inviluppi Taglio Nominal WallElement

Selected Design Assumptions	Inviluppi: Taglio	Muro: WallElement
Z (m)	Lato sinistro (kN/m)	Lato destro (kN/m)
-0.32	0.508	0
-0.52	1.91	0
-0.72	3.699	0
-0.92	5.874	0
-1.12	8.437	0
-1.32	11.386	0
-1.52	14.723	0
-1.72	18.446	0
-1.92	22.556	0
-2.12	27.052	0
-2.32	31.936	0
-2.52	37.206	0
-2.72	42.864	0
-2.92	48.908	0
-3.12	55.339	0
-3.32	62.157	0
-3.52	69.361	0
-3.72	76.953	0
-3.92	84.931	0
-4.12	93.296	0
-4.32	102.048	0
-4.52	108.123	0
-4.72	114.573	0
-4.92	121.397	0
-5.12	128.19	0
-5.32	128.19	0
-5.52	125.989	0
-5.72	122.11	0
-5.92	117.052	0
-6.12	111.251	0
-6.32	104.696	0
-6.52	97.379	0
-6.72	89.295	0
-6.92	80.44	0
-7.12	71.567	0
-7.32	62.978	0
-7.52	54.67	0
-7.72	46.638	0
-7.92	38.878	0
-8.12	31.384	0
-8.32	24.153	0
-8.52	17.177	0
-8.72	10.454	0
-8.92	3.976	3.217
-9.12	0	8.263
-9.32	0	14.034
-9.52	0	19.581
-9.72	0	24.908
-9.92	0	30.022
-10.12	0	34.926
-10.32	0	39.627
-10.52	0	44.128
-10.72	0	48.436
-10.92	0	52.555
-11.12	0	56.489
-11.32	0	60.242
-11.52	0	63.821
-11.72	0	67.228
-11.92	0	70.467
-12.12	0	73.543
-12.32	0	76.46
-12.52	0	79.221
-12.72	0	81.829
-12.92	0	84.008
-13.12	0	85.731
-13.32	0	87.006
-13.52	0	87.842

Selected Design Assumptions	Inviluppi: Taglio	Muro: WallElement
Z (m)	Lato sinistro (kN/m)	Lato destro (kN/m)
-13.72	0	88.246
-13.92	0	95.445
-14.12	0	101.712
-14.32	0	107.063
-14.52	0	111.508
-14.72	0	115.061
-14.92	0	115.823
-15.12	0	115.823
-15.32	0	110.794
-15.52	0	101.973
-15.72	0	89.383
-15.92	0	73.039
-16.12	0	54.02
-16.32	0	33.636
-16.52	0	11.629

5.4.4. Grafico Inviluppi Taglio Nominal



Taglio

5.5. Risultati Terreno

5.5.1. Tabella Risultati Terreno Left Wall - Nominal - Stage 1

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 1	-0.32	6.08	3.04	V-C	0.766	2.853	0	0	0	0	3.04
Stage 1	-0.52	9.88	4.94	V-C	0.766	2.853	0	0	0	0	4.94
Stage 1	-0.72	13.68	6.84	V-C	0.766	2.853	0	0	0	0	6.84
Stage 1	-0.92	17.48	8.74	V-C	0.766	2.853	0	0	0	0	8.74
Stage 1	-1.12	21.28	10.64	V-C	0.766	2.853	0	0	0	0	10.64
Stage 1	-1.32	25.08	12.54	V-C	0.766	2.853	0	0	0	0	12.54
Stage 1	-1.52	28.88	14.44	V-C	0.766	2.853	0	0	0	0	14.44
Stage 1	-1.72	32.68	16.34	V-C	0.766	2.853	0	0	0	0	16.34
Stage 1	-1.92	36.48	18.24	V-C	0.766	2.853	0	0	0	0	18.24
Stage 1	-2.12	40.28	20.14	V-C	0.766	2.853	0	0	0	0	20.14
Stage 1	-2.32	44.08	22.04	V-C	0.766	2.853	0	0	0	0	22.04
Stage 1	-2.52	47.88	23.94	V-C	0.766	2.853	0	0	0	0	23.94
Stage 1	-2.72	51.68	25.84	V-C	0.766	2.853	0	0	0	0	25.84
Stage 1	-2.92	55.48	27.74	V-C	0.766	2.853	0	0	0	0	27.74
Stage 1	-3.12	59.28	29.64	V-C	0.766	2.853	0	0	0	0	29.64
Stage 1	-3.32	63.08	31.54	V-C	0.766	2.853	0	0	0	0	31.54
Stage 1	-3.52	66.88	33.44	V-C	0.766	2.853	0	0	0	0	33.44
Stage 1	-3.72	70.68	35.34	V-C	0.766	2.853	0	0	0	0	35.34
Stage 1	-3.92	74.48	37.24	V-C	0.766	2.853	0	0	0	0	37.24
Stage 1	-4.12	78.28	39.14	V-C	0.766	2.853	0	0	0	0	39.14
Stage 1	-4.32	82.08	41.04	V-C	0.766	2.853	0	0	0	0	41.04
Stage 1	-4.52	84.104	41.353	UL-RL	0.488	4.417	10	1.776	0.013	0	43.129
Stage 1	-4.72	85.93	41.757	UL-RL	0.488	4.417	10	3.75	0.013	0	45.507
Stage 1	-4.92	87.756	42.691	UL-RL	0.488	4.417	10	5.724	0.013	0	48.414
Stage 1	-5.12	89.582	43.624	UL-RL	0.488	4.417	10	7.698	0.013	0	51.322
Stage 1	-5.32	91.408	44.558	UL-RL	0.488	4.417	10	9.672	0.013	0	54.229
Stage 1	-5.52	93.234	45.491	UL-RL	0.488	4.417	10	11.646	0.013	0	57.137
Stage 1	-5.72	95.06	46.425	UL-RL	0.488	4.417	10	13.62	0.013	0	60.044
Stage 1	-5.92	96.886	47.358	UL-RL	0.488	4.417	10	15.593	0.013	0	62.952
Stage 1	-6.12	98.712	48.292	UL-RL	0.488	4.417	10	17.567	0.013	0	65.859
Stage 1	-6.32	100.538	49.225	UL-RL	0.488	4.417	10	19.541	0.013	0	68.766
Stage 1	-6.52	102.364	50.159	UL-RL	0.488	4.417	10	21.515	0.013	0	71.674
Stage 1	-6.72	104.19	51.092	UL-RL	0.488	4.417	10	23.489	0.013	0	74.581
Stage 1	-6.92	106.017	52.025	UL-RL	0.488	4.417	10	25.463	0.013	0	77.489
Stage 1	-7.12	107.843	52.959	UL-RL	0.488	4.417	10	27.437	0.013	0	80.396
Stage 1	-7.32	109.669	53.892	UL-RL	0.488	4.417	10	29.411	0.013	0	83.304
Stage 1	-7.52	111.495	54.826	UL-RL	0.488	4.417	10	31.385	0.013	0	86.211
Stage 1	-7.72	113.321	55.759	UL-RL	0.488	4.417	10	33.359	0.013	0	89.119
Stage 1	-7.92	115.147	56.693	UL-RL	0.488	4.417	10	35.333	0.013	0	92.026
Stage 1	-8.12	116.973	57.626	UL-RL	0.488	4.417	10	37.307	0.013	0	94.934
Stage 1	-8.32	118.799	58.56	UL-RL	0.488	4.417	10	39.281	0.013	0	97.841
Stage 1	-8.52	120.625	59.493	UL-RL	0.488	4.417	10	41.255	0.013	0	100.749
Stage 1	-8.72	122.451	60.427	UL-RL	0.488	4.417	10	43.229	0.013	0	103.656
Stage 1	-8.92	124.277	61.36	UL-RL	0.488	4.417	10	45.203	0.013	0	106.564
Stage 1	-9.12	126.103	62.294	UL-RL	0.488	4.417	10	47.177	0.013	0	109.471
Stage 1	-9.32	127.929	63.227	UL-RL	0.488	4.417	10	49.151	0.013	0	112.378
Stage 1	-9.52	129.755	64.161	UL-RL	0.488	4.417	10	51.125	0.013	0	115.286
Stage 1	-9.72	131.581	65.094	UL-RL	0.488	4.417	10	53.099	0.013	0	118.193
Stage 1	-9.92	133.407	66.028	UL-RL	0.488	4.417	10	55.073	0.013	0	121.101
Stage 1	-10.12	135.233	66.961	UL-RL	0.488	4.417	10	57.047	0.013	0	124.008
Stage 1	-10.32	137.059	67.895	UL-RL	0.488	4.417	10	59.021	0.013	0	126.916
Stage 1	-10.52	138.885	68.828	UL-RL	0.488	4.417	10	60.995	0.013	0	129.823
Stage 1	-10.72	140.711	69.762	UL-RL	0.488	4.417	10	62.969	0.013	0	132.731
Stage 1	-10.92	142.537	70.695	UL-RL	0.488	4.417	10	64.943	0.013	0	135.638
Stage 1	-11.12	144.363	71.629	UL-RL	0.488	4.417	10	66.917	0.013	0	138.546
Stage 1	-11.32	146.189	72.562	UL-RL	0.488	4.417	10	68.891	0.013	0	141.453
Stage 1	-11.52	148.015	73.496	UL-RL	0.488	4.417	10	70.865	0.013	0	144.36
Stage 1	-11.72	149.841	74.429	UL-RL	0.488	4.417	10	72.839	0.013	0	147.268
Stage 1	-11.92	151.667	75.362	UL-RL	0.488	4.417	10	74.813	0.013	0	150.176
Stage 1	-12.12	153.493	76.296	UL-RL	0.488	4.417	10	76.787	0.013	0	153.083
Stage 1	-12.32	155.319	77.229	UL-RL	0.488	4.417	10	78.761	0.013	0	155.99
Stage 1	-12.52	157.145	78.163	UL-RL	0.488	4.417	10	80.735	0.013	0	158.898
Stage 1	-12.72	158.971	79.096	UL-RL	0.488	4.417	10	82.709	0.013	0	161.805
Stage 1	-12.92	160.797	80.03	UL-RL	0.488	4.417	10	84.683	0.013	0	164.713

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 1	-13.12	162.623	80.963	UL-RL	0.488	4.417	10	86.657	0.013	0	167.62
Stage 1	-13.32	164.449	81.897	UL-RL	0.488	4.417	10	88.631	0.013	0	170.528
Stage 1	-13.52	166.275	82.83	UL-RL	0.488	4.417	10	90.605	0.013	0	173.435
Stage 1	-13.72	168.101	83.764	UL-RL	0.488	4.417	10	92.579	0.013	0	176.343
Stage 1	-13.92	169.947	84.705	UL-RL	0.463	4.643	10	94.553	0.013	0	179.258
Stage 1	-14.12	171.973	85.739	UL-RL	0.463	4.643	10	96.527	0.013	0	182.266
Stage 1	-14.32	173.999	86.772	UL-RL	0.463	4.643	10	98.501	0.013	0	185.273
Stage 1	-14.52	176.025	87.806	UL-RL	0.463	4.643	10	100.475	0.013	0	188.281
Stage 1	-14.72	178.051	88.84	UL-RL	0.463	4.643	10	102.449	0.013	0	191.288
Stage 1	-14.92	180.077	89.873	UL-RL	0.463	4.643	10	104.423	0.013	0	194.296
Stage 1	-15.12	182.103	90.907	UL-RL	0.463	4.643	10	106.397	0.013	0	197.304
Stage 1	-15.32	184.129	91.941	UL-RL	0.463	4.643	10	108.371	0.013	0	200.311
Stage 1	-15.52	186.155	92.974	UL-RL	0.463	4.643	10	110.345	0.013	0	203.319
Stage 1	-15.72	188.181	94.008	UL-RL	0.463	4.643	10	112.319	0.013	0	206.327
Stage 1	-15.92	190.207	95.042	UL-RL	0.463	4.643	10	114.293	0.013	0	209.334
Stage 1	-16.12	192.233	96.075	UL-RL	0.463	4.643	10	116.267	0.013	0	212.342
Stage 1	-16.32	194.259	97.109	UL-RL	0.463	4.643	10	118.241	0.013	0	215.35
Stage 1	-16.52	196.285	98.143	V-C	0.463	4.643	10	120.215	0.013	0	218.357

Design Assumption: Nominal	Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 1	-0.32	6.08	3.04	V-C	0.391	1.118	0	0	0	0	3.04
Stage 1	-0.52	9.88	4.94	V-C	0.391	1.118	0	0	0	0	4.94
Stage 1	-0.72	13.68	6.84	V-C	0.391	1.118	0	0	0	0	6.84
Stage 1	-0.92	17.48	8.74	V-C	0.391	1.118	0	0	0	0	8.74
Stage 1	-1.12	21.28	10.64	V-C	0.391	1.118	0	0	0	0	10.64
Stage 1	-1.32	25.08	12.54	V-C	0.391	1.118	0	0	0	0	12.54
Stage 1	-1.52	28.88	14.44	V-C	0.391	1.118	0	0	0	0	14.44
Stage 1	-1.72	32.68	16.34	V-C	0.391	1.118	0	0	0	0	16.34
Stage 1	-1.92	36.48	18.24	V-C	0.391	1.118	0	0	0	0	18.24
Stage 1	-2.12	40.28	20.14	V-C	0.391	1.118	0	0	0	0	20.14
Stage 1	-2.32	44.08	22.04	V-C	0.391	1.118	0	0	0	0	22.04
Stage 1	-2.52	47.88	23.94	V-C	0.391	1.118	0	0	0	0	23.94
Stage 1	-2.72	51.68	25.84	V-C	0.391	1.118	0	0	0	0	25.84
Stage 1	-2.92	55.48	27.74	V-C	0.391	1.118	0	0	0	0	27.74
Stage 1	-3.12	59.28	29.64	V-C	0.391	1.118	0	0	0	0	29.64
Stage 1	-3.32	63.08	31.54	V-C	0.391	1.118	0	0	0	0	31.54
Stage 1	-3.52	66.88	33.44	V-C	0.391	1.118	0	0	0	0	33.44
Stage 1	-3.72	70.68	35.34	V-C	0.391	1.118	0	0	0	0	35.34
Stage 1	-3.92	74.48	37.24	V-C	0.391	1.118	0	0	0	0	37.24
Stage 1	-4.12	78.28	39.14	V-C	0.391	1.118	0	0	0	0	39.14
Stage 1	-4.32	82.08	41.04	V-C	0.391	1.118	0	0	0	0	41.04
Stage 1	-4.52	85.88	43.129	V-C	0.3	1.722	10	0	0	0	43.129
Stage 1	-4.72	89	44.827	V-C	0.3	1.722	10	0.68	0.013	0	45.507
Stage 1	-4.92	90.774	45.708	V-C	0.3	1.722	10	2.706	0.013	0	48.414
Stage 1	-5.12	92.548	46.59	V-C	0.3	1.722	10	4.732	0.013	0	51.322
Stage 1	-5.32	94.322	47.471	V-C	0.3	1.722	10	6.758	0.013	0	54.229
Stage 1	-5.52	96.096	48.353	V-C	0.3	1.722	10	8.784	0.013	0	57.137
Stage 1	-5.72	97.87	49.234	V-C	0.3	1.722	10	10.81	0.013	0	60.044
Stage 1	-5.92	99.644	50.116	V-C	0.3	1.722	10	12.836	0.013	0	62.952
Stage 1	-6.12	101.418	50.997	V-C	0.3	1.722	10	14.862	0.013	0	65.859
Stage 1	-6.32	103.192	51.879	V-C	0.3	1.722	10	16.888	0.013	0	68.766
Stage 1	-6.52	104.966	52.76	V-C	0.3	1.722	10	18.914	0.013	0	71.674
Stage 1	-6.72	106.74	53.641	V-C	0.3	1.722	10	20.94	0.013	0	74.581
Stage 1	-6.92	108.514	54.523	V-C	0.3	1.722	10	22.966	0.013	0	77.489
Stage 1	-7.12	110.288	55.404	V-C	0.3	1.722	10	24.992	0.013	0	80.396
Stage 1	-7.32	112.062	56.286	V-C	0.3	1.722	10	27.018	0.013	0	83.304
Stage 1	-7.52	113.836	57.167	V-C	0.3	1.722	10	29.044	0.013	0	86.211
Stage 1	-7.72	115.61	58.049	V-C	0.3	1.722	10	31.07	0.013	0	89.119
Stage 1	-7.92	117.384	58.93	V-C	0.3	1.722	10	33.096	0.013	0	92.026
Stage 1	-8.12	119.158	59.812	V-C	0.3	1.722	10	35.122	0.013	0	94.934
Stage 1	-8.32	120.932	60.693	V-C	0.3	1.722	10	37.148	0.013	0	97.841
Stage 1	-8.52	122.706	61.575	V-C	0.3	1.722	10	39.174	0.013	0	100.749
Stage 1	-8.72	124.48	62.456	V-C	0.3	1.722	10	41.2	0.013	0	103.656
Stage 1	-8.92	126.254	63.337	V-C	0.3	1.722	10	43.226	0.013	0	106.564
Stage 1	-9.12	128.028	64.219	V-C	0.3	1.722	10	45.252	0.013	0	109.471
Stage 1	-9.32	129.802	65.1	V-C	0.3	1.722	10	47.278	0.013	0	112.378
Stage 1	-9.52	131.576	65.982	V-C	0.3	1.722	10	49.304	0.013	0	115.286
Stage 1	-9.72	133.35	66.863	V-C	0.3	1.722	10	51.33	0.013	0	118.193
Stage 1	-9.92	135.124	67.745	V-C	0.3	1.722	10	53.356	0.013	0	121.101
Stage 1	-10.12	136.898	68.626	V-C	0.3	1.722	10	55.382	0.013	0	124.008
Stage 1	-10.32	138.672	69.508	V-C	0.3	1.722	10	57.408	0.013	0	126.916
Stage 1	-10.52	140.446	70.389	V-C	0.3	1.722	10	59.434	0.013	0	129.823
Stage 1	-10.72	142.22	71.27	V-C	0.3	1.722	10	61.46	0.013	0	132.731
Stage 1	-10.92	143.994	72.152	V-C	0.3	1.722	10	63.486	0.013	0	135.638
Stage 1	-11.12	145.768	73.033	V-C	0.3	1.722	10	65.512	0.013	0	138.546
Stage 1	-11.32	147.542	73.915	V-C	0.3	1.722	10	67.538	0.013	0	141.453
Stage 1	-11.52	149.316	74.796	V-C	0.3	1.722	10	69.564	0.013	0	144.36
Stage 1	-11.72	151.09	75.678	V-C	0.3	1.722	10	71.59	0.013	0	147.268
Stage 1	-11.92	152.864	76.559	V-C	0.3	1.722	10	73.616	0.013	0	150.176
Stage 1	-12.12	154.638	77.441	V-C	0.3	1.722	10	75.642	0.013	0	153.083
Stage 1	-12.32	156.412	78.322	V-C	0.3	1.722	10	77.668	0.013	0	155.99
Stage 1	-12.52	158.186	79.204	V-C	0.3	1.722	10	79.694	0.013	0	158.898
Stage 1	-12.72	159.96	80.085	V-C	0.3	1.722	10	81.72	0.013	0	161.805
Stage 1	-12.92	161.734	80.966	V-C	0.3	1.722	10	83.746	0.013	0	164.713
Stage 1	-13.12	163.508	81.848	V-C	0.3	1.722	10	85.772	0.013	0	167.62
Stage 1	-13.32	165.281	82.729	V-C	0.3	1.722	10	87.798	0.013	0	170.528
Stage 1	-13.52	167.055	83.611	V-C	0.3	1.722	10	89.824	0.013	0	173.435
Stage 1	-13.72	168.829	84.492	V-C	0.3	1.722	10	91.85	0.013	0	176.343
Stage 1	-13.92	170.623	85.382	V-C	0.288	1.816	10	93.876	0.013	0	179.258
Stage 1	-14.12	172.597	86.363	V-C	0.288	1.816	10	95.902	0.013	0	182.266

Design Assumption: Nominal	Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 1	-14.32	174.571	87.345	V-C	0.288	1.816	10	97.928	0.013	0	185.273
Stage 1	-14.52	176.545	88.326	V-C	0.288	1.816	10	99.954	0.013	0	188.281
Stage 1	-14.72	178.519	89.308	V-C	0.288	1.816	10	101.98	0.013	0	191.288
Stage 1	-14.92	180.493	90.29	V-C	0.288	1.816	10	104.006	0.013	0	194.296
Stage 1	-15.12	182.467	91.271	V-C	0.288	1.816	10	106.032	0.013	0	197.304
Stage 1	-15.32	184.441	92.253	V-C	0.288	1.816	10	108.058	0.013	0	200.311
Stage 1	-15.52	186.415	93.234	V-C	0.288	1.816	10	110.084	0.013	0	203.319
Stage 1	-15.72	188.389	94.216	V-C	0.288	1.816	10	112.11	0.013	0	206.327
Stage 1	-15.92	190.363	95.198	V-C	0.288	1.816	10	114.137	0.013	0	209.334
Stage 1	-16.12	192.337	96.179	V-C	0.288	1.816	10	116.163	0.013	0	212.342
Stage 1	-16.32	194.311	97.161	V-C	0.288	1.816	10	118.189	0.013	0	215.35
Stage 1	-16.52	196.285	98.143	V-C	0.288	1.816	10	120.215	0.013	0	218.357

5.5.2. Tabella Risultati Terreno Left Wall - Nominal - Stage 2-Prescavo

Design Assumption: Nominal	Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 2-Prescavo	-0.32	0	0	UL-RL	0.509	2.855	0	0	0	0	0
Stage 2-Prescavo	-0.52	3.8	3.064	UL-RL	0.509	2.855	0	0	0	0	3.064
Stage 2-Prescavo	-0.72	7.6	5.098	UL-RL	0.509	2.855	0	0	0	0	5.098
Stage 2-Prescavo	-0.92	11.4	7.058	UL-RL	0.509	2.855	0	0	0	0	7.058
Stage 2-Prescavo	-1.12	15.2	8.992	UL-RL	0.509	2.855	0	0	0	0	8.992
Stage 2-Prescavo	-1.32	19	10.915	UL-RL	0.509	2.855	0	0	0	0	10.915
Stage 2-Prescavo	-1.52	22.8	12.83	UL-RL	0.509	2.855	0	0	0	0	12.83
Stage 2-Prescavo	-1.72	26.6	14.742	UL-RL	0.509	2.855	0	0	0	0	14.742
Stage 2-Prescavo	-1.92	30.4	16.651	UL-RL	0.509	2.855	0	0	0	0	16.651
Stage 2-Prescavo	-2.12	34.2	18.558	UL-RL	0.509	2.855	0	0	0	0	18.558
Stage 2-Prescavo	-2.32	38	20.464	UL-RL	0.509	2.855	0	0	0	0	20.464
Stage 2-Prescavo	-2.52	41.8	22.368	UL-RL	0.509	2.855	0	0	0	0	22.368
Stage 2-Prescavo	-2.72	45.6	24.272	UL-RL	0.509	2.855	0	0	0	0	24.272
Stage 2-Prescavo	-2.92	49.4	26.176	UL-RL	0.509	2.855	0	0	0	0	26.176
Stage 2-Prescavo	-3.12	53.2	28.079	UL-RL	0.509	2.855	0	0	0	0	28.079
Stage 2-Prescavo	-3.32	57	29.981	UL-RL	0.509	2.855	0	0	0	0	29.981
Stage 2-Prescavo	-3.52	60.8	31.884	UL-RL	0.509	2.855	0	0	0	0	31.884
Stage 2-Prescavo	-3.72	64.6	33.786	UL-RL	0.509	2.855	0	0	0	0	33.786
Stage 2-Prescavo	-3.92	68.4	35.688	UL-RL	0.509	2.855	0	0	0	0	35.688
Stage 2-Prescavo	-4.12	72.2	37.589	UL-RL	0.509	2.855	0	0	0	0	37.589
Stage 2-Prescavo	-4.32	76	39.491	UL-RL	0.509	2.855	0	0	0	0	39.491
Stage 2-Prescavo	-4.52	78.024	39.805	UL-RL	0.493	4.453	10	1.776	0.013	0	41.581
Stage 2-Prescavo	-4.72	79.85	40.21	UL-RL	0.493	4.453	10	3.75	0.013	0	43.959
Stage 2-Prescavo	-4.92	81.676	41.144	UL-RL	0.493	4.453	10	5.724	0.013	0	46.867
Stage 2-Prescavo	-5.12	83.502	42.078	UL-RL	0.493	4.453	10	7.698	0.013	0	49.775
Stage 2-Prescavo	-5.32	85.328	43.012	UL-RL	0.493	4.453	10	9.672	0.013	0	52.683
Stage 2-Prescavo	-5.52	87.154	43.946	UL-RL	0.493	4.453	10	11.646	0.013	0	55.591
Stage 2-Prescavo	-5.72	88.98	44.88	UL-RL	0.493	4.453	10	13.62	0.013	0	58.499
Stage 2-Prescavo	-5.92	90.806	45.814	UL-RL	0.493	4.453	10	15.593	0.013	0	61.407
Stage 2-Prescavo	-6.12	92.632	46.748	UL-RL	0.493	4.453	10	17.567	0.013	0	64.315
Stage 2-Prescavo	-6.32	94.459	47.682	UL-RL	0.493	4.453	10	19.541	0.013	0	67.223
Stage 2-Prescavo	-6.52	96.285	48.616	UL-RL	0.493	4.453	10	21.515	0.013	0	70.131
Stage 2-Prescavo	-6.72	98.111	49.549	UL-RL	0.493	4.453	10	23.489	0.013	0	73.039
Stage 2-Prescavo	-6.92	99.937	50.483	UL-RL	0.493	4.453	10	25.463	0.013	0	75.947
Stage 2-Prescavo	-7.12	101.763	51.417	UL-RL	0.493	4.453	10	27.437	0.013	0	78.855
Stage 2-Prescavo	-7.32	103.589	52.351	UL-RL	0.493	4.453	10	29.411	0.013	0	81.762
Stage 2-Prescavo	-7.52	105.415	53.285	UL-RL	0.493	4.453	10	31.385	0.013	0	84.67
Stage 2-Prescavo	-7.72	107.241	54.219	UL-RL	0.493	4.453	10	33.359	0.013	0	87.578
Stage 2-Prescavo	-7.92	109.067	55.152	UL-RL	0.493	4.453	10	35.333	0.013	0	90.486
Stage 2-Prescavo	-8.12	110.893	56.086	UL-RL	0.493	4.453	10	37.307	0.013	0	93.394
Stage 2-Prescavo	-8.32	112.719	57.02	UL-RL	0.493	4.453	10	39.281	0.013	0	96.301
Stage 2-Prescavo	-8.52	114.545	57.954	UL-RL	0.493	4.453	10	41.255	0.013	0	99.209
Stage 2-Prescavo	-8.72	116.371	58.888	UL-RL	0.493	4.453	10	43.229	0.013	0	102.117
Stage 2-Prescavo	-8.92	118.197	59.821	UL-RL	0.493	4.453	10	45.203	0.013	0	105.025
Stage 2-Prescavo	-9.12	120.023	60.755	UL-RL	0.493	4.453	10	47.177	0.013	0	107.932
Stage 2-Prescavo	-9.32	121.849	61.689	UL-RL	0.493	4.453	10	49.151	0.013	0	110.84
Stage 2-Prescavo	-9.52	123.675	62.623	UL-RL	0.493	4.453	10	51.125	0.013	0	113.748
Stage 2-Prescavo	-9.72	125.501	63.556	UL-RL	0.493	4.453	10	53.099	0.013	0	116.656
Stage 2-Prescavo	-9.92	127.327	64.49	UL-RL	0.493	4.453	10	55.073	0.013	0	119.563
Stage 2-Prescavo	-10.12	129.153	65.424	UL-RL	0.493	4.453	10	57.047	0.013	0	122.471
Stage 2-Prescavo	-10.32	130.979	66.358	UL-RL	0.493	4.453	10	59.021	0.013	0	125.379
Stage 2-Prescavo	-10.52	132.805	67.291	UL-RL	0.493	4.453	10	60.995	0.013	0	128.286
Stage 2-Prescavo	-10.72	134.631	68.225	UL-RL	0.493	4.453	10	62.969	0.013	0	131.194
Stage 2-Prescavo	-10.92	136.457	69.159	UL-RL	0.493	4.453	10	64.943	0.013	0	134.102
Stage 2-Prescavo	-11.12	138.283	70.092	UL-RL	0.493	4.453	10	66.917	0.013	0	137.009
Stage 2-Prescavo	-11.32	140.109	71.026	UL-RL	0.493	4.453	10	68.891	0.013	0	139.917
Stage 2-Prescavo	-11.52	141.935	71.96	UL-RL	0.493	4.453	10	70.865	0.013	0	142.825
Stage 2-Prescavo	-11.72	143.761	72.893	UL-RL	0.493	4.453	10	72.839	0.013	0	145.732
Stage 2-Prescavo	-11.92	145.587	73.827	UL-RL	0.493	4.453	10	74.813	0.013	0	148.64
Stage 2-Prescavo	-12.12	147.413	74.761	UL-RL	0.493	4.453	10	76.787	0.013	0	151.548
Stage 2-Prescavo	-12.32	149.239	75.694	UL-RL	0.493	4.453	10	78.761	0.013	0	154.455
Stage 2-Prescavo	-12.52	151.065	76.628	UL-RL	0.493	4.453	10	80.735	0.013	0	157.363
Stage 2-Prescavo	-12.72	152.891	77.562	UL-RL	0.493	4.453	10	82.709	0.013	0	160.271
Stage 2-Prescavo	-12.92	154.717	78.495	UL-RL	0.493	4.453	10	84.683	0.013	0	163.178
Stage 2-Prescavo	-13.12	156.543	79.429	UL-RL	0.493	4.453	10	86.657	0.013	0	166.086
Stage 2-Prescavo	-13.32	158.369	80.363	UL-RL	0.493	4.453	10	88.631	0.013	0	168.994
Stage 2-Prescavo	-13.52	160.195	81.296	UL-RL	0.493	4.453	10	90.605	0.013	0	171.901

Design Assumption: Nominal	Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 2-Prescavo	-13.72	162.021	82.23	UL-RL	0.493	4.453	10	92.579	0.013	0	174.809
Stage 2-Prescavo	-13.92	163.867	83.171	UL-RL	0.471	4.683	10	94.553	0.013	0	177.724
Stage 2-Prescavo	-14.12	165.893	84.205	UL-RL	0.471	4.683	10	96.527	0.013	0	180.732
Stage 2-Prescavo	-14.32	167.919	85.239	UL-RL	0.471	4.683	10	98.501	0.013	0	183.74
Stage 2-Prescavo	-14.52	169.945	86.273	UL-RL	0.471	4.683	10	100.475	0.013	0	186.748
Stage 2-Prescavo	-14.72	171.971	87.307	UL-RL	0.471	4.683	10	102.449	0.013	0	189.755
Stage 2-Prescavo	-14.92	173.997	88.34	UL-RL	0.471	4.683	10	104.423	0.013	0	192.763
Stage 2-Prescavo	-15.12	176.023	89.374	UL-RL	0.471	4.683	10	106.397	0.013	0	195.771
Stage 2-Prescavo	-15.32	178.049	90.408	UL-RL	0.471	4.683	10	108.371	0.013	0	198.779
Stage 2-Prescavo	-15.52	180.075	91.442	UL-RL	0.471	4.683	10	110.345	0.013	0	201.786
Stage 2-Prescavo	-15.72	182.101	92.476	UL-RL	0.471	4.683	10	112.319	0.013	0	204.794
Stage 2-Prescavo	-15.92	184.127	93.509	UL-RL	0.471	4.683	10	114.293	0.013	0	207.802
Stage 2-Prescavo	-16.12	186.153	94.543	UL-RL	0.471	4.683	10	116.267	0.013	0	210.81
Stage 2-Prescavo	-16.32	188.179	95.577	UL-RL	0.471	4.683	10	118.241	0.013	0	213.818
Stage 2-Prescavo	-16.52	190.205	96.611	UL-RL	0.471	4.683	10	120.215	0.013	0	216.825

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 2-Prescavo	-0.32	0	0	UL-RL	0.436	1.626	0	0	0	0	0
Stage 2-Prescavo	-0.52	3.8	3.064	UL-RL	0.436	1.626	0	0	0	0	3.064
Stage 2-Prescavo	-0.72	7.6	5.098	UL-RL	0.436	1.626	0	0	0	0	5.098
Stage 2-Prescavo	-0.92	11.4	7.058	UL-RL	0.436	1.626	0	0	0	0	7.058
Stage 2-Prescavo	-1.12	15.2	8.992	UL-RL	0.436	1.626	0	0	0	0	8.992
Stage 2-Prescavo	-1.32	19	10.915	UL-RL	0.436	1.626	0	0	0	0	10.915
Stage 2-Prescavo	-1.52	22.8	12.83	UL-RL	0.436	1.626	0	0	0	0	12.83
Stage 2-Prescavo	-1.72	26.6	14.742	UL-RL	0.436	1.626	0	0	0	0	14.742
Stage 2-Prescavo	-1.92	30.4	16.651	UL-RL	0.436	1.626	0	0	0	0	16.651
Stage 2-Prescavo	-2.12	34.2	18.558	UL-RL	0.436	1.626	0	0	0	0	18.558
Stage 2-Prescavo	-2.32	38	20.464	UL-RL	0.436	1.626	0	0	0	0	20.464
Stage 2-Prescavo	-2.52	41.8	22.368	UL-RL	0.436	1.626	0	0	0	0	22.368
Stage 2-Prescavo	-2.72	45.6	24.272	UL-RL	0.436	1.626	0	0	0	0	24.272
Stage 2-Prescavo	-2.92	49.4	26.176	UL-RL	0.436	1.626	0	0	0	0	26.176
Stage 2-Prescavo	-3.12	53.2	28.079	UL-RL	0.436	1.626	0	0	0	0	28.079
Stage 2-Prescavo	-3.32	57	29.981	UL-RL	0.436	1.626	0	0	0	0	29.981
Stage 2-Prescavo	-3.52	60.8	31.884	UL-RL	0.436	1.626	0	0	0	0	31.884
Stage 2-Prescavo	-3.72	64.6	33.786	UL-RL	0.436	1.626	0	0	0	0	33.786
Stage 2-Prescavo	-3.92	68.4	35.688	UL-RL	0.436	1.626	0	0	0	0	35.688
Stage 2-Prescavo	-4.12	72.2	37.589	UL-RL	0.436	1.626	0	0	0	0	37.589
Stage 2-Prescavo	-4.32	76	39.491	UL-RL	0.436	1.626	0	0	0	0	39.491
Stage 2-Prescavo	-4.52	79.8	41.581	UL-RL	0.312	1.917	10	0	0	0	41.581
Stage 2-Prescavo	-4.72	82.92	43.28	UL-RL	0.312	1.917	10	0.68	0.013	0	43.959
Stage 2-Prescavo	-4.92	84.694	44.162	UL-RL	0.312	1.917	10	2.706	0.013	0	46.867
Stage 2-Prescavo	-5.12	86.468	45.044	UL-RL	0.312	1.917	10	4.732	0.013	0	49.775
Stage 2-Prescavo	-5.32	88.242	45.926	UL-RL	0.312	1.917	10	6.758	0.013	0	52.683
Stage 2-Prescavo	-5.52	90.016	46.808	UL-RL	0.312	1.917	10	8.784	0.013	0	55.591
Stage 2-Prescavo	-5.72	91.79	47.69	UL-RL	0.312	1.917	10	10.81	0.013	0	58.499
Stage 2-Prescavo	-5.92	93.564	48.571	UL-RL	0.312	1.917	10	12.836	0.013	0	61.407
Stage 2-Prescavo	-6.12	95.338	49.453	UL-RL	0.312	1.917	10	14.862	0.013	0	64.315
Stage 2-Prescavo	-6.32	97.112	50.335	UL-RL	0.312	1.917	10	16.888	0.013	0	67.223
Stage 2-Prescavo	-6.52	98.886	51.217	UL-RL	0.312	1.917	10	18.914	0.013	0	70.131
Stage 2-Prescavo	-6.72	100.66	52.099	UL-RL	0.312	1.917	10	20.94	0.013	0	73.039
Stage 2-Prescavo	-6.92	102.434	52.981	UL-RL	0.312	1.917	10	22.966	0.013	0	75.947
Stage 2-Prescavo	-7.12	104.208	53.863	UL-RL	0.312	1.917	10	24.992	0.013	0	78.855
Stage 2-Prescavo	-7.32	105.982	54.744	UL-RL	0.312	1.917	10	27.018	0.013	0	81.762
Stage 2-Prescavo	-7.52	107.756	55.626	UL-RL	0.312	1.917	10	29.044	0.013	0	84.67
Stage 2-Prescavo	-7.72	109.53	56.508	UL-RL	0.312	1.917	10	31.07	0.013	0	87.578
Stage 2-Prescavo	-7.92	111.304	57.39	UL-RL	0.312	1.917	10	33.096	0.013	0	90.486
Stage 2-Prescavo	-8.12	113.078	58.272	UL-RL	0.312	1.917	10	35.122	0.013	0	93.394
Stage 2-Prescavo	-8.32	114.852	59.153	UL-RL	0.312	1.917	10	37.148	0.013	0	96.301
Stage 2-Prescavo	-8.52	116.626	60.035	UL-RL	0.312	1.917	10	39.174	0.013	0	99.209
Stage 2-Prescavo	-8.72	118.4	60.917	UL-RL	0.312	1.917	10	41.2	0.013	0	102.117
Stage 2-Prescavo	-8.92	120.174	61.799	UL-RL	0.312	1.917	10	43.226	0.013	0	105.025
Stage 2-Prescavo	-9.12	121.948	62.68	UL-RL	0.312	1.917	10	45.252	0.013	0	107.932
Stage 2-Prescavo	-9.32	123.722	63.562	UL-RL	0.312	1.917	10	47.278	0.013	0	110.84
Stage 2-Prescavo	-9.52	125.496	64.444	UL-RL	0.312	1.917	10	49.304	0.013	0	113.748
Stage 2-Prescavo	-9.72	127.27	65.325	UL-RL	0.312	1.917	10	51.33	0.013	0	116.656
Stage 2-Prescavo	-9.92	129.044	66.207	UL-RL	0.312	1.917	10	53.356	0.013	0	119.563
Stage 2-Prescavo	-10.12	130.818	67.089	UL-RL	0.312	1.917	10	55.382	0.013	0	122.471
Stage 2-Prescavo	-10.32	132.592	67.97	UL-RL	0.312	1.917	10	57.408	0.013	0	125.379
Stage 2-Prescavo	-10.52	134.366	68.852	UL-RL	0.312	1.917	10	59.434	0.013	0	128.286
Stage 2-Prescavo	-10.72	136.14	69.734	UL-RL	0.312	1.917	10	61.46	0.013	0	131.194
Stage 2-Prescavo	-10.92	137.914	70.615	UL-RL	0.312	1.917	10	63.486	0.013	0	134.102
Stage 2-Prescavo	-11.12	139.688	71.497	UL-RL	0.312	1.917	10	65.512	0.013	0	137.009
Stage 2-Prescavo	-11.32	141.462	72.379	UL-RL	0.312	1.917	10	67.538	0.013	0	139.917
Stage 2-Prescavo	-11.52	143.236	73.26	UL-RL	0.312	1.917	10	69.564	0.013	0	142.825
Stage 2-Prescavo	-11.72	145.01	74.142	UL-RL	0.312	1.917	10	71.59	0.013	0	145.732
Stage 2-Prescavo	-11.92	146.784	75.024	UL-RL	0.312	1.917	10	73.616	0.013	0	148.64
Stage 2-Prescavo	-12.12	148.558	75.905	UL-RL	0.312	1.917	10	75.642	0.013	0	151.548
Stage 2-Prescavo	-12.32	150.332	76.787	UL-RL	0.312	1.917	10	77.668	0.013	0	154.455
Stage 2-Prescavo	-12.52	152.106	77.669	UL-RL	0.312	1.917	10	79.694	0.013	0	157.363
Stage 2-Prescavo	-12.72	153.88	78.55	UL-RL	0.312	1.917	10	81.72	0.013	0	160.271
Stage 2-Prescavo	-12.92	155.654	79.432	UL-RL	0.312	1.917	10	83.746	0.013	0	163.178
Stage 2-Prescavo	-13.12	157.428	80.313	UL-RL	0.312	1.917	10	85.772	0.013	0	166.086
Stage 2-Prescavo	-13.32	159.201	81.195	UL-RL	0.312	1.917	10	87.798	0.013	0	168.994
Stage 2-Prescavo	-13.52	160.975	82.077	UL-RL	0.312	1.917	10	89.824	0.013	0	171.901
Stage 2-Prescavo	-13.72	162.749	82.958	UL-RL	0.312	1.917	10	91.85	0.013	0	174.809
Stage 2-Prescavo	-13.92	164.543	83.848	UL-RL	0.298	1.986	10	93.876	0.013	0	177.724
Stage 2-Prescavo	-14.12	166.517	84.83	UL-RL	0.298	1.986	10	95.902	0.013	0	180.732

Design Assumption: Nominal	Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 2-Prescavo	-14.32	168.491	85.811	UL-RL	0.298	1.986	10	97.928	0.013	0	183.74
Stage 2-Prescavo	-14.52	170.465	86.793	UL-RL	0.298	1.986	10	99.954	0.013	0	186.748
Stage 2-Prescavo	-14.72	172.439	87.775	UL-RL	0.298	1.986	10	101.98	0.013	0	189.755
Stage 2-Prescavo	-14.92	174.413	88.757	UL-RL	0.298	1.986	10	104.006	0.013	0	192.763
Stage 2-Prescavo	-15.12	176.387	89.738	UL-RL	0.298	1.986	10	106.032	0.013	0	195.771
Stage 2-Prescavo	-15.32	178.361	90.72	UL-RL	0.298	1.986	10	108.058	0.013	0	198.779
Stage 2-Prescavo	-15.52	180.335	91.702	UL-RL	0.298	1.986	10	110.084	0.013	0	201.786
Stage 2-Prescavo	-15.72	182.309	92.684	UL-RL	0.298	1.986	10	112.11	0.013	0	204.794
Stage 2-Prescavo	-15.92	184.283	93.665	UL-RL	0.298	1.986	10	114.137	0.013	0	207.802
Stage 2-Prescavo	-16.12	186.257	94.647	UL-RL	0.298	1.986	10	116.163	0.013	0	210.81
Stage 2-Prescavo	-16.32	188.231	95.629	UL-RL	0.298	1.986	10	118.189	0.013	0	213.818
Stage 2-Prescavo	-16.52	190.205	96.611	UL-RL	0.298	1.986	10	120.215	0.013	0	216.825

5.5.3. Tabella Risultati Terreno Left Wall - Nominal - Stage 3-Paratia

Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 3-Paratia	-0.32	0	0	ACTIVE	0.509	2.855	0	0	0	0	0
Stage 3-Paratia	-0.52	3.8	3.064	UL-RL	0.509	2.855	0	0	0	0	3.064
Stage 3-Paratia	-0.72	7.6	5.098	UL-RL	0.509	2.855	0	0	0	0	5.098
Stage 3-Paratia	-0.92	11.4	7.058	UL-RL	0.509	2.855	0	0	0	0	7.058
Stage 3-Paratia	-1.12	15.2	8.992	UL-RL	0.509	2.855	0	0	0	0	8.992
Stage 3-Paratia	-1.32	19	10.915	UL-RL	0.509	2.855	0	0	0	0	10.915
Stage 3-Paratia	-1.52	22.8	12.83	UL-RL	0.509	2.855	0	0	0	0	12.83
Stage 3-Paratia	-1.72	26.6	14.742	UL-RL	0.509	2.855	0	0	0	0	14.742
Stage 3-Paratia	-1.92	30.4	16.651	UL-RL	0.509	2.855	0	0	0	0	16.651
Stage 3-Paratia	-2.12	34.2	18.558	UL-RL	0.509	2.855	0	0	0	0	18.558
Stage 3-Paratia	-2.32	38	20.464	UL-RL	0.509	2.855	0	0	0	0	20.464
Stage 3-Paratia	-2.52	41.8	22.368	UL-RL	0.509	2.855	0	0	0	0	22.368
Stage 3-Paratia	-2.72	45.6	24.272	UL-RL	0.509	2.855	0	0	0	0	24.272
Stage 3-Paratia	-2.92	49.4	26.176	UL-RL	0.509	2.855	0	0	0	0	26.176
Stage 3-Paratia	-3.12	53.2	28.079	UL-RL	0.509	2.855	0	0	0	0	28.079
Stage 3-Paratia	-3.32	57	29.981	UL-RL	0.509	2.855	0	0	0	0	29.981
Stage 3-Paratia	-3.52	60.8	31.884	UL-RL	0.509	2.855	0	0	0	0	31.884
Stage 3-Paratia	-3.72	64.6	33.786	UL-RL	0.509	2.855	0	0	0	0	33.786
Stage 3-Paratia	-3.92	68.4	35.688	UL-RL	0.509	2.855	0	0	0	0	35.688
Stage 3-Paratia	-4.12	72.2	37.589	UL-RL	0.509	2.855	0	0	0	0	37.589
Stage 3-Paratia	-4.32	76	39.491	UL-RL	0.509	2.855	0	0	0	0	39.491
Stage 3-Paratia	-4.52	78.024	39.805	UL-RL	0.493	4.453	10	1.776	0.013	0	41.581
Stage 3-Paratia	-4.72	79.85	40.21	UL-RL	0.493	4.453	10	3.75	0.013	0	43.959
Stage 3-Paratia	-4.92	81.676	41.144	UL-RL	0.493	4.453	10	5.724	0.013	0	46.867
Stage 3-Paratia	-5.12	83.502	42.078	UL-RL	0.493	4.453	10	7.698	0.013	0	49.775
Stage 3-Paratia	-5.32	85.328	43.012	UL-RL	0.493	4.453	10	9.672	0.013	0	52.683
Stage 3-Paratia	-5.52	87.154	43.946	UL-RL	0.493	4.453	10	11.646	0.013	0	55.591
Stage 3-Paratia	-5.72	88.98	44.88	UL-RL	0.493	4.453	10	13.62	0.013	0	58.499
Stage 3-Paratia	-5.92	90.806	45.814	UL-RL	0.493	4.453	10	15.593	0.013	0	61.407
Stage 3-Paratia	-6.12	92.632	46.748	UL-RL	0.493	4.453	10	17.567	0.013	0	64.315
Stage 3-Paratia	-6.32	94.459	47.682	UL-RL	0.493	4.453	10	19.541	0.013	0	67.223
Stage 3-Paratia	-6.52	96.285	48.616	UL-RL	0.493	4.453	10	21.515	0.013	0	70.131
Stage 3-Paratia	-6.72	98.111	49.549	UL-RL	0.493	4.453	10	23.489	0.013	0	73.039
Stage 3-Paratia	-6.92	99.937	50.483	UL-RL	0.493	4.453	10	25.463	0.013	0	75.947
Stage 3-Paratia	-7.12	101.763	51.417	UL-RL	0.493	4.453	10	27.437	0.013	0	78.855
Stage 3-Paratia	-7.32	103.589	52.351	UL-RL	0.493	4.453	10	29.411	0.013	0	81.762
Stage 3-Paratia	-7.52	105.415	53.285	UL-RL	0.493	4.453	10	31.385	0.013	0	84.67
Stage 3-Paratia	-7.72	107.241	54.219	UL-RL	0.493	4.453	10	33.359	0.013	0	87.578
Stage 3-Paratia	-7.92	109.067	55.152	UL-RL	0.493	4.453	10	35.333	0.013	0	90.486
Stage 3-Paratia	-8.12	110.893	56.086	UL-RL	0.493	4.453	10	37.307	0.013	0	93.394
Stage 3-Paratia	-8.32	112.719	57.02	UL-RL	0.493	4.453	10	39.281	0.013	0	96.301
Stage 3-Paratia	-8.52	114.545	57.954	UL-RL	0.493	4.453	10	41.255	0.013	0	99.209
Stage 3-Paratia	-8.72	116.371	58.888	UL-RL	0.493	4.453	10	43.229	0.013	0	102.117
Stage 3-Paratia	-8.92	118.197	59.821	UL-RL	0.493	4.453	10	45.203	0.013	0	105.025
Stage 3-Paratia	-9.12	120.023	60.755	UL-RL	0.493	4.453	10	47.177	0.013	0	107.932
Stage 3-Paratia	-9.32	121.849	61.689	UL-RL	0.493	4.453	10	49.151	0.013	0	110.84
Stage 3-Paratia	-9.52	123.675	62.623	UL-RL	0.493	4.453	10	51.125	0.013	0	113.748
Stage 3-Paratia	-9.72	125.501	63.556	UL-RL	0.493	4.453	10	53.099	0.013	0	116.656
Stage 3-Paratia	-9.92	127.327	64.49	UL-RL	0.493	4.453	10	55.073	0.013	0	119.563
Stage 3-Paratia	-10.12	129.153	65.424	UL-RL	0.493	4.453	10	57.047	0.013	0	122.471
Stage 3-Paratia	-10.32	130.979	66.358	UL-RL	0.493	4.453	10	59.021	0.013	0	125.379
Stage 3-Paratia	-10.52	132.805	67.291	UL-RL	0.493	4.453	10	60.995	0.013	0	128.286
Stage 3-Paratia	-10.72	134.631	68.225	UL-RL	0.493	4.453	10	62.969	0.013	0	131.194
Stage 3-Paratia	-10.92	136.457	69.159	UL-RL	0.493	4.453	10	64.943	0.013	0	134.102
Stage 3-Paratia	-11.12	138.283	70.092	UL-RL	0.493	4.453	10	66.917	0.013	0	137.009
Stage 3-Paratia	-11.32	140.109	71.026	UL-RL	0.493	4.453	10	68.891	0.013	0	139.917
Stage 3-Paratia	-11.52	141.935	71.96	UL-RL	0.493	4.453	10	70.865	0.013	0	142.825
Stage 3-Paratia	-11.72	143.761	72.893	UL-RL	0.493	4.453	10	72.839	0.013	0	145.732
Stage 3-Paratia	-11.92	145.587	73.827	UL-RL	0.493	4.453	10	74.813	0.013	0	148.64
Stage 3-Paratia	-12.12	147.413	74.761	UL-RL	0.493	4.453	10	76.787	0.013	0	151.548
Stage 3-Paratia	-12.32	149.239	75.694	UL-RL	0.493	4.453	10	78.761	0.013	0	154.455
Stage 3-Paratia	-12.52	151.065	76.628	UL-RL	0.493	4.453	10	80.735	0.013	0	157.363
Stage 3-Paratia	-12.72	152.891	77.562	UL-RL	0.493	4.453	10	82.709	0.013	0	160.271
Stage 3-Paratia	-12.92	154.717	78.495	UL-RL	0.493	4.453	10	84.683	0.013	0	163.178
Stage 3-Paratia	-13.12	156.543	79.429	UL-RL	0.493	4.453	10	86.657	0.013	0	166.086
Stage 3-Paratia	-13.32	158.369	80.363	UL-RL	0.493	4.453	10	88.631	0.013	0	168.994
Stage 3-Paratia	-13.52	160.195	81.296	UL-RL	0.493	4.453	10	90.605	0.013	0	171.901

Design Assumption: Nominal		Risultati Terreno		Muro:	LEFT		Lato	LEFT			
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 3-Paratia	-13.72	162.021	82.23	UL-RL	0.493	4.453	10	92.579	0.013	0	174.809
Stage 3-Paratia	-13.92	163.867	83.171	UL-RL	0.471	4.683	10	94.553	0.013	0	177.724
Stage 3-Paratia	-14.12	165.893	84.205	UL-RL	0.471	4.683	10	96.527	0.013	0	180.732
Stage 3-Paratia	-14.32	167.919	85.239	UL-RL	0.471	4.683	10	98.501	0.013	0	183.74
Stage 3-Paratia	-14.52	169.945	86.273	UL-RL	0.471	4.683	10	100.475	0.013	0	186.748
Stage 3-Paratia	-14.72	171.971	87.307	UL-RL	0.471	4.683	10	102.449	0.013	0	189.755
Stage 3-Paratia	-14.92	173.997	88.34	UL-RL	0.471	4.683	10	104.423	0.013	0	192.763
Stage 3-Paratia	-15.12	176.023	89.374	UL-RL	0.471	4.683	10	106.397	0.013	0	195.771
Stage 3-Paratia	-15.32	178.049	90.408	UL-RL	0.471	4.683	10	108.371	0.013	0	198.779
Stage 3-Paratia	-15.52	180.075	91.442	UL-RL	0.471	4.683	10	110.345	0.013	0	201.786
Stage 3-Paratia	-15.72	182.101	92.476	UL-RL	0.471	4.683	10	112.319	0.013	0	204.794
Stage 3-Paratia	-15.92	184.127	93.509	UL-RL	0.471	4.683	10	114.293	0.013	0	207.802
Stage 3-Paratia	-16.12	186.153	94.543	UL-RL	0.471	4.683	10	116.267	0.013	0	210.81
Stage 3-Paratia	-16.32	188.179	95.577	UL-RL	0.471	4.683	10	118.241	0.013	0	213.818
Stage 3-Paratia	-16.52	190.205	96.611	UL-RL	0.471	4.683	10	120.215	0.013	0	216.825

Design Assumption: Nominal		Risultati Terreno		Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq	
Stage 3-Paratia	-0.32	0	0	PASSIVE	0.436	1.626	0	0	0	0	0	
Stage 3-Paratia	-0.52	3.8	3.064	UL-RL	0.436	1.626	0	0	0	0	3.064	
Stage 3-Paratia	-0.72	7.6	5.098	UL-RL	0.436	1.626	0	0	0	0	5.098	
Stage 3-Paratia	-0.92	11.4	7.058	UL-RL	0.436	1.626	0	0	0	0	7.058	
Stage 3-Paratia	-1.12	15.2	8.992	UL-RL	0.436	1.626	0	0	0	0	8.992	
Stage 3-Paratia	-1.32	19	10.915	UL-RL	0.436	1.626	0	0	0	0	10.915	
Stage 3-Paratia	-1.52	22.8	12.83	UL-RL	0.436	1.626	0	0	0	0	12.83	
Stage 3-Paratia	-1.72	26.6	14.742	UL-RL	0.436	1.626	0	0	0	0	14.742	
Stage 3-Paratia	-1.92	30.4	16.651	UL-RL	0.436	1.626	0	0	0	0	16.651	
Stage 3-Paratia	-2.12	34.2	18.558	UL-RL	0.436	1.626	0	0	0	0	18.558	
Stage 3-Paratia	-2.32	38	20.464	UL-RL	0.436	1.626	0	0	0	0	20.464	
Stage 3-Paratia	-2.52	41.8	22.368	UL-RL	0.436	1.626	0	0	0	0	22.368	
Stage 3-Paratia	-2.72	45.6	24.272	UL-RL	0.436	1.626	0	0	0	0	24.272	
Stage 3-Paratia	-2.92	49.4	26.176	UL-RL	0.436	1.626	0	0	0	0	26.176	
Stage 3-Paratia	-3.12	53.2	28.079	UL-RL	0.436	1.626	0	0	0	0	28.079	
Stage 3-Paratia	-3.32	57	29.981	UL-RL	0.436	1.626	0	0	0	0	29.981	
Stage 3-Paratia	-3.52	60.8	31.884	UL-RL	0.436	1.626	0	0	0	0	31.884	
Stage 3-Paratia	-3.72	64.6	33.786	UL-RL	0.436	1.626	0	0	0	0	33.786	
Stage 3-Paratia	-3.92	68.4	35.688	UL-RL	0.436	1.626	0	0	0	0	35.688	
Stage 3-Paratia	-4.12	72.2	37.589	UL-RL	0.436	1.626	0	0	0	0	37.589	
Stage 3-Paratia	-4.32	76	39.491	UL-RL	0.436	1.626	0	0	0	0	39.491	
Stage 3-Paratia	-4.52	79.8	41.581	UL-RL	0.312	1.917	10	0	0	0	41.581	
Stage 3-Paratia	-4.72	82.92	43.28	UL-RL	0.312	1.917	10	0.68	0.013	0	43.959	
Stage 3-Paratia	-4.92	84.694	44.162	UL-RL	0.312	1.917	10	2.706	0.013	0	46.867	
Stage 3-Paratia	-5.12	86.468	45.044	UL-RL	0.312	1.917	10	4.732	0.013	0	49.775	
Stage 3-Paratia	-5.32	88.242	45.926	UL-RL	0.312	1.917	10	6.758	0.013	0	52.683	
Stage 3-Paratia	-5.52	90.016	46.808	UL-RL	0.312	1.917	10	8.784	0.013	0	55.591	
Stage 3-Paratia	-5.72	91.79	47.69	UL-RL	0.312	1.917	10	10.81	0.013	0	58.499	
Stage 3-Paratia	-5.92	93.564	48.571	UL-RL	0.312	1.917	10	12.836	0.013	0	61.407	
Stage 3-Paratia	-6.12	95.338	49.453	UL-RL	0.312	1.917	10	14.862	0.013	0	64.315	
Stage 3-Paratia	-6.32	97.112	50.335	UL-RL	0.312	1.917	10	16.888	0.013	0	67.223	
Stage 3-Paratia	-6.52	98.886	51.217	UL-RL	0.312	1.917	10	18.914	0.013	0	70.131	
Stage 3-Paratia	-6.72	100.66	52.099	UL-RL	0.312	1.917	10	20.94	0.013	0	73.039	
Stage 3-Paratia	-6.92	102.434	52.981	UL-RL	0.312	1.917	10	22.966	0.013	0	75.947	
Stage 3-Paratia	-7.12	104.208	53.863	UL-RL	0.312	1.917	10	24.992	0.013	0	78.855	
Stage 3-Paratia	-7.32	105.982	54.744	UL-RL	0.312	1.917	10	27.018	0.013	0	81.762	
Stage 3-Paratia	-7.52	107.756	55.626	UL-RL	0.312	1.917	10	29.044	0.013	0	84.67	
Stage 3-Paratia	-7.72	109.53	56.508	UL-RL	0.312	1.917	10	31.07	0.013	0	87.578	
Stage 3-Paratia	-7.92	111.304	57.39	UL-RL	0.312	1.917	10	33.096	0.013	0	90.486	
Stage 3-Paratia	-8.12	113.078	58.272	UL-RL	0.312	1.917	10	35.122	0.013	0	93.394	
Stage 3-Paratia	-8.32	114.852	59.153	UL-RL	0.312	1.917	10	37.148	0.013	0	96.301	
Stage 3-Paratia	-8.52	116.626	60.035	UL-RL	0.312	1.917	10	39.174	0.013	0	99.209	
Stage 3-Paratia	-8.72	118.4	60.917	UL-RL	0.312	1.917	10	41.2	0.013	0	102.117	
Stage 3-Paratia	-8.92	120.174	61.799	UL-RL	0.312	1.917	10	43.226	0.013	0	105.025	
Stage 3-Paratia	-9.12	121.948	62.68	UL-RL	0.312	1.917	10	45.252	0.013	0	107.932	
Stage 3-Paratia	-9.32	123.722	63.562	UL-RL	0.312	1.917	10	47.278	0.013	0	110.84	
Stage 3-Paratia	-9.52	125.496	64.444	UL-RL	0.312	1.917	10	49.304	0.013	0	113.748	
Stage 3-Paratia	-9.72	127.27	65.325	UL-RL	0.312	1.917	10	51.33	0.013	0	116.656	
Stage 3-Paratia	-9.92	129.044	66.207	UL-RL	0.312	1.917	10	53.356	0.013	0	119.563	
Stage 3-Paratia	-10.12	130.818	67.089	UL-RL	0.312	1.917	10	55.382	0.013	0	122.471	
Stage 3-Paratia	-10.32	132.592	67.97	UL-RL	0.312	1.917	10	57.408	0.013	0	125.379	
Stage 3-Paratia	-10.52	134.366	68.852	UL-RL	0.312	1.917	10	59.434	0.013	0	128.286	
Stage 3-Paratia	-10.72	136.14	69.734	UL-RL	0.312	1.917	10	61.46	0.013	0	131.194	
Stage 3-Paratia	-10.92	137.914	70.615	UL-RL	0.312	1.917	10	63.486	0.013	0	134.102	
Stage 3-Paratia	-11.12	139.688	71.497	UL-RL	0.312	1.917	10	65.512	0.013	0	137.009	
Stage 3-Paratia	-11.32	141.462	72.379	UL-RL	0.312	1.917	10	67.538	0.013	0	139.917	
Stage 3-Paratia	-11.52	143.236	73.26	UL-RL	0.312	1.917	10	69.564	0.013	0	142.825	
Stage 3-Paratia	-11.72	145.01	74.142	UL-RL	0.312	1.917	10	71.59	0.013	0	145.732	
Stage 3-Paratia	-11.92	146.784	75.024	UL-RL	0.312	1.917	10	73.616	0.013	0	148.64	
Stage 3-Paratia	-12.12	148.558	75.905	UL-RL	0.312	1.917	10	75.642	0.013	0	151.548	
Stage 3-Paratia	-12.32	150.332	76.787	UL-RL	0.312	1.917	10	77.668	0.013	0	154.455	
Stage 3-Paratia	-12.52	152.106	77.669	UL-RL	0.312	1.917	10	79.694	0.013	0	157.363	
Stage 3-Paratia	-12.72	153.88	78.55	UL-RL	0.312	1.917	10	81.72	0.013	0	160.271	
Stage 3-Paratia	-12.92	155.654	79.432	UL-RL	0.312	1.917	10	83.746	0.013	0	163.178	
Stage 3-Paratia	-13.12	157.428	80.313	UL-RL	0.312	1.917	10	85.772	0.013	0	166.086	
Stage 3-Paratia	-13.32	159.201	81.195	UL-RL	0.312	1.917	10	87.798	0.013	0	168.994	
Stage 3-Paratia	-13.52	160.975	82.077	UL-RL	0.312	1.917	10	89.824	0.013	0	171.901	
Stage 3-Paratia	-13.72	162.749	82.958	UL-RL	0.312	1.917	10	91.85	0.013	0	174.809	
Stage 3-Paratia	-13.92	164.543	83.848	UL-RL	0.298	1.986	10	93.876	0.013	0	177.724	
Stage 3-Paratia	-14.12	166.517	84.83	UL-RL	0.298	1.986	10	95.902	0.013	0	180.732	

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	RIGHT			
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 3-Paratia	-14.32	168.491	85.811	UL-RL	0.298	1.986	10	97.928	0.013	0	183.74
Stage 3-Paratia	-14.52	170.465	86.793	UL-RL	0.298	1.986	10	99.954	0.013	0	186.748
Stage 3-Paratia	-14.72	172.439	87.775	UL-RL	0.298	1.986	10	101.98	0.013	0	189.755
Stage 3-Paratia	-14.92	174.413	88.757	UL-RL	0.298	1.986	10	104.006	0.013	0	192.763
Stage 3-Paratia	-15.12	176.387	89.738	UL-RL	0.298	1.986	10	106.032	0.013	0	195.771
Stage 3-Paratia	-15.32	178.361	90.72	UL-RL	0.298	1.986	10	108.058	0.013	0	198.779
Stage 3-Paratia	-15.52	180.335	91.702	UL-RL	0.298	1.986	10	110.084	0.013	0	201.786
Stage 3-Paratia	-15.72	182.309	92.684	UL-RL	0.298	1.986	10	112.11	0.013	0	204.794
Stage 3-Paratia	-15.92	184.283	93.665	UL-RL	0.298	1.986	10	114.137	0.013	0	207.802
Stage 3-Paratia	-16.12	186.257	94.647	UL-RL	0.298	1.986	10	116.163	0.013	0	210.81
Stage 3-Paratia	-16.32	188.231	95.629	UL-RL	0.298	1.986	10	118.189	0.013	0	213.818
Stage 3-Paratia	-16.52	190.205	96.611	UL-RL	0.298	1.986	10	120.215	0.013	0	216.825

5.5.4. Tabella Risultati Terreno Left Wall - Nominal - Stage 4-Scavo H=1.5m

Design Assumption:	Nominal	Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 4-Scavo H=1.5m	-0.32	0	0	ACTIVE	0.509	2.855	0	0	0	0	0
Stage 4-Scavo H=1.5m	-0.52	3.8	1.934	ACTIVE	0.509	2.855	0	0	0	0	1.934
Stage 4-Scavo H=1.5m	-0.72	7.6	3.868	ACTIVE	0.509	2.855	0	0	0	0	3.868
Stage 4-Scavo H=1.5m	-0.92	11.4	5.803	ACTIVE	0.509	2.855	0	0	0	0	5.803
Stage 4-Scavo H=1.5m	-1.12	15.2	7.737	ACTIVE	0.509	2.855	0	0	0	0	7.737
Stage 4-Scavo H=1.5m	-1.32	19	9.671	ACTIVE	0.509	2.855	0	0	0	0	9.671
Stage 4-Scavo H=1.5m	-1.52	22.8	11.605	ACTIVE	0.509	2.855	0	0	0	0	11.605
Stage 4-Scavo H=1.5m	-1.72	26.6	13.539	ACTIVE	0.509	2.855	0	0	0	0	13.539
Stage 4-Scavo H=1.5m	-1.92	30.4	15.474	ACTIVE	0.509	2.855	0	0	0	0	15.474
Stage 4-Scavo H=1.5m	-2.12	34.2	17.408	ACTIVE	0.509	2.855	0	0	0	0	17.408
Stage 4-Scavo H=1.5m	-2.32	38	19.342	ACTIVE	0.509	2.855	0	0	0	0	19.342
Stage 4-Scavo H=1.5m	-2.52	41.8	21.276	ACTIVE	0.509	2.855	0	0	0	0	21.276
Stage 4-Scavo H=1.5m	-2.72	45.6	23.21	ACTIVE	0.509	2.855	0	0	0	0	23.21
Stage 4-Scavo H=1.5m	-2.92	49.4	25.145	ACTIVE	0.509	2.855	0	0	0	0	25.145
Stage 4-Scavo H=1.5m	-3.12	53.2	27.079	ACTIVE	0.509	2.855	0	0	0	0	27.079
Stage 4-Scavo H=1.5m	-3.32	57	29.013	ACTIVE	0.509	2.855	0	0	0	0	29.013
Stage 4-Scavo H=1.5m	-3.52	60.8	30.947	ACTIVE	0.509	2.855	0	0	0	0	30.947
Stage 4-Scavo H=1.5m	-3.72	64.6	32.881	ACTIVE	0.509	2.855	0	0	0	0	32.881
Stage 4-Scavo H=1.5m	-3.92	68.4	34.816	ACTIVE	0.509	2.855	0	0	0	0	34.816
Stage 4-Scavo H=1.5m	-4.12	72.2	36.75	ACTIVE	0.509	2.855	0	0	0	0	36.75
Stage 4-Scavo H=1.5m	-4.32	76	38.684	ACTIVE	0.509	2.855	0	0	0	0	38.684
Stage 4-Scavo H=1.5m	-4.52	78.024	29.851	UL-RL	0.493	4.453	10	1.776	0.013	0	31.626
Stage 4-Scavo H=1.5m	-4.72	79.85	30.72	UL-RL	0.493	4.453	10	3.75	0.013	0	34.47
Stage 4-Scavo H=1.5m	-4.92	81.676	32.1	UL-RL	0.493	4.453	10	5.724	0.013	0	37.824
Stage 4-Scavo H=1.5m	-5.12	83.502	33.461	UL-RL	0.493	4.453	10	7.698	0.013	0	41.158
Stage 4-Scavo H=1.5m	-5.32	85.328	34.801	UL-RL	0.493	4.453	10	9.672	0.013	0	44.473
Stage 4-Scavo H=1.5m	-5.52	87.154	36.122	UL-RL	0.493	4.453	10	11.646	0.013	0	47.768
Stage 4-Scavo H=1.5m	-5.72	88.98	37.423	UL-RL	0.493	4.453	10	13.62	0.013	0	51.042
Stage 4-Scavo H=1.5m	-5.92	90.806	38.704	UL-RL	0.493	4.453	10	15.593	0.013	0	54.298
Stage 4-Scavo H=1.5m	-6.12	92.632	39.966	UL-RL	0.493	4.453	10	17.567	0.013	0	57.533
Stage 4-Scavo H=1.5m	-6.32	94.459	41.209	UL-RL	0.493	4.453	10	19.541	0.013	0	60.75
Stage 4-Scavo H=1.5m	-6.52	96.285	42.433	UL-RL	0.493	4.453	10	21.515	0.013	0	63.949
Stage 4-Scavo H=1.5m	-6.72	98.111	43.64	UL-RL	0.493	4.453	10	23.489	0.013	0	67.129
Stage 4-Scavo H=1.5m	-6.92	99.937	44.83	UL-RL	0.493	4.453	10	25.463	0.013	0	70.293
Stage 4-Scavo H=1.5m	-7.12	101.763	46.003	UL-RL	0.493	4.453	10	27.437	0.013	0	73.44
Stage 4-Scavo H=1.5m	-7.32	103.589	47.16	UL-RL	0.493	4.453	10	29.411	0.013	0	76.572
Stage 4-Scavo H=1.5m	-7.52	105.415	48.303	UL-RL	0.493	4.453	10	31.385	0.013	0	79.689
Stage 4-Scavo H=1.5m	-7.72	107.241	49.432	UL-RL	0.493	4.453	10	33.359	0.013	0	82.792
Stage 4-Scavo H=1.5m	-7.92	109.067	50.548	UL-RL	0.493	4.453	10	35.333	0.013	0	85.881
Stage 4-Scavo H=1.5m	-8.12	110.893	51.652	UL-RL	0.493	4.453	10	37.307	0.013	0	88.959
Stage 4-Scavo H=1.5m	-8.32	112.719	52.744	UL-RL	0.493	4.453	10	39.281	0.013	0	92.025
Stage 4-Scavo H=1.5m	-8.52	114.545	53.826	UL-RL	0.493	4.453	10	41.255	0.013	0	95.081
Stage 4-Scavo H=1.5m	-8.72	116.371	54.899	UL-RL	0.493	4.453	10	43.229	0.013	0	98.128
Stage 4-Scavo H=1.5m	-8.92	118.197	55.963	UL-RL	0.493	4.453	10	45.203	0.013	0	101.166
Stage 4-Scavo H=1.5m	-9.12	120.023	57.019	UL-RL	0.493	4.453	10	47.177	0.013	0	104.196
Stage 4-Scavo H=1.5m	-9.32	121.849	58.069	UL-RL	0.493	4.453	10	49.151	0.013	0	107.22
Stage 4-Scavo H=1.5m	-9.52	123.675	59.112	UL-RL	0.493	4.453	10	51.125	0.013	0	110.237
Stage 4-Scavo H=1.5m	-9.72	125.501	60.151	UL-RL	0.493	4.453	10	53.099	0.013	0	113.25
Stage 4-Scavo H=1.5m	-9.92	127.327	61.185	UL-RL	0.493	4.453	10	55.073	0.013	0	116.258
Stage 4-Scavo H=1.5m	-10.12	129.153	62.215	UL-RL	0.493	4.453	10	57.047	0.013	0	119.262
Stage 4-Scavo H=1.5m	-10.32	130.979	63.243	UL-RL	0.493	4.453	10	59.021	0.013	0	122.264
Stage 4-Scavo H=1.5m	-10.52	132.805	64.268	UL-RL	0.493	4.453	10	60.995	0.013	0	125.264
Stage 4-Scavo H=1.5m	-10.72	134.631	65.292	UL-RL	0.493	4.453	10	62.969	0.013	0	128.261
Stage 4-Scavo H=1.5m	-10.92	136.457	66.315	UL-RL	0.493	4.453	10	64.943	0.013	0	131.258
Stage 4-Scavo H=1.5m	-11.12	138.283	67.338	UL-RL	0.493	4.453	10	66.917	0.013	0	134.255
Stage 4-Scavo H=1.5m	-11.32	140.109	68.36	UL-RL	0.493	4.453	10	68.891	0.013	0	137.251
Stage 4-Scavo H=1.5m	-11.52	141.935	69.383	UL-RL	0.493	4.453	10	70.865	0.013	0	140.248
Stage 4-Scavo H=1.5m	-11.72	143.761	70.407	UL-RL	0.493	4.453	10	72.839	0.013	0	143.246
Stage 4-Scavo H=1.5m	-11.92	145.587	71.432	UL-RL	0.493	4.453	10	74.813	0.013	0	146.245
Stage 4-Scavo H=1.5m	-12.12	147.413	72.458	UL-RL	0.493	4.453	10	76.787	0.013	0	149.245
Stage 4-Scavo H=1.5m	-12.32	149.239	73.486	UL-RL	0.493	4.453	10	78.761	0.013	0	152.247
Stage 4-Scavo H=1.5m	-12.52	151.065	74.516	UL-RL	0.493	4.453	10	80.735	0.013	0	155.25
Stage 4-Scavo H=1.5m	-12.72	152.891	75.547	UL-RL	0.493	4.453	10	82.709	0.013	0	158.256
Stage 4-Scavo H=1.5m	-12.92	154.717	76.579	UL-RL	0.493	4.453	10	84.683	0.013	0	161.262
Stage 4-Scavo H=1.5m	-13.12	156.543	77.613	UL-RL	0.493	4.453	10	86.657	0.013	0	164.27
Stage 4-Scavo H=1.5m	-13.32	158.369	78.648	UL-RL	0.493	4.453	10	88.631	0.013	0	167.279
Stage 4-Scavo H=1.5m	-13.52	160.195	79.683	UL-RL	0.493	4.453	10	90.605	0.013	0	170.288

Design Assumption:	Nominal	Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 4-Scavo H=1.5m	-13.72	162.021	80.719	UL-RL	0.493	4.453	10	92.579	0.013	0	173.298
Stage 4-Scavo H=1.5m	-13.92	163.867	73.597	UL-RL	0.471	4.683	10	94.553	0.013	0	168.15
Stage 4-Scavo H=1.5m	-14.12	165.893	75.319	UL-RL	0.471	4.683	10	96.527	0.013	0	171.846
Stage 4-Scavo H=1.5m	-14.32	167.919	77.031	UL-RL	0.471	4.683	10	98.501	0.013	0	175.532
Stage 4-Scavo H=1.5m	-14.52	169.945	78.733	UL-RL	0.471	4.683	10	100.475	0.013	0	179.208
Stage 4-Scavo H=1.5m	-14.72	171.971	80.424	UL-RL	0.471	4.683	10	102.449	0.013	0	182.872
Stage 4-Scavo H=1.5m	-14.92	173.997	82.102	UL-RL	0.471	4.683	10	104.423	0.013	0	186.525
Stage 4-Scavo H=1.5m	-15.12	176.023	83.77	UL-RL	0.471	4.683	10	106.397	0.013	0	190.167
Stage 4-Scavo H=1.5m	-15.32	178.049	85.429	UL-RL	0.471	4.683	10	108.371	0.013	0	193.8
Stage 4-Scavo H=1.5m	-15.52	180.075	87.079	UL-RL	0.471	4.683	10	110.345	0.013	0	197.424
Stage 4-Scavo H=1.5m	-15.72	182.101	88.723	UL-RL	0.471	4.683	10	112.319	0.013	0	201.042
Stage 4-Scavo H=1.5m	-15.92	184.127	90.363	UL-RL	0.471	4.683	10	114.293	0.013	0	204.656
Stage 4-Scavo H=1.5m	-16.12	186.153	92	UL-RL	0.471	4.683	10	116.267	0.013	0	208.266
Stage 4-Scavo H=1.5m	-16.32	188.179	93.635	UL-RL	0.471	4.683	10	118.241	0.013	0	211.876
Stage 4-Scavo H=1.5m	-16.52	190.205	95.27	UL-RL	0.471	4.683	10	120.215	0.013	0	215.485

Design Assumption:	Nominal	Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 4-Scavo H=1.5m	-0.32	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4-Scavo H=1.5m	-0.52	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4-Scavo H=1.5m	-0.72	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4-Scavo H=1.5m	-0.92	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4-Scavo H=1.5m	-1.12	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4-Scavo H=1.5m	-1.32	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4-Scavo H=1.5m	-1.52	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4-Scavo H=1.5m	-1.72	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4-Scavo H=1.5m	-1.92	1.9	4.26	PASSIVE	0.477	2.242	0	0	0	0	4.26
Stage 4-Scavo H=1.5m	-2.12	5.7	12.779	PASSIVE	0.477	2.242	0	0	0	0	12.779
Stage 4-Scavo H=1.5m	-2.32	9.5	21.299	PASSIVE	0.477	2.242	0	0	0	0	21.299
Stage 4-Scavo H=1.5m	-2.52	13.3	24.942	V-C	0.477	2.242	0	0	0	0	24.942
Stage 4-Scavo H=1.5m	-2.72	17.1	26.77	V-C	0.477	2.242	0	0	0	0	26.77
Stage 4-Scavo H=1.5m	-2.92	20.9	28.572	V-C	0.477	2.242	0	0	0	0	28.572
Stage 4-Scavo H=1.5m	-3.12	24.7	30.36	V-C	0.477	2.242	0	0	0	0	30.36
Stage 4-Scavo H=1.5m	-3.32	28.5	32.138	V-C	0.477	2.242	0	0	0	0	32.138
Stage 4-Scavo H=1.5m	-3.52	32.3	33.91	V-C	0.477	2.242	0	0	0	0	33.91
Stage 4-Scavo H=1.5m	-3.72	36.1	35.68	V-C	0.477	2.242	0	0	0	0	35.68
Stage 4-Scavo H=1.5m	-3.92	39.9	37.448	V-C	0.477	2.242	0	0	0	0	37.448
Stage 4-Scavo H=1.5m	-4.12	43.7	39.217	V-C	0.477	2.242	0	0	0	0	39.217
Stage 4-Scavo H=1.5m	-4.32	47.5	40.883	UL-RL	0.477	2.242	0	0	0	0	40.883
Stage 4-Scavo H=1.5m	-4.52	51.3	41.457	UL-RL	0.355	2.66	10	0	0	0	41.457
Stage 4-Scavo H=1.5m	-4.72	54.42	42.826	UL-RL	0.355	2.66	10	0.68	0.013	0	43.506
Stage 4-Scavo H=1.5m	-4.92	56.194	43.372	UL-RL	0.355	2.66	10	2.706	0.013	0	46.078
Stage 4-Scavo H=1.5m	-5.12	57.968	43.933	UL-RL	0.355	2.66	10	4.732	0.013	0	48.664
Stage 4-Scavo H=1.5m	-5.32	59.742	44.508	UL-RL	0.355	2.66	10	6.758	0.013	0	51.266
Stage 4-Scavo H=1.5m	-5.52	61.516	45.098	UL-RL	0.355	2.66	10	8.784	0.013	0	53.882
Stage 4-Scavo H=1.5m	-5.72	63.29	45.703	UL-RL	0.355	2.66	10	10.81	0.013	0	56.513
Stage 4-Scavo H=1.5m	-5.92	65.064	46.324	UL-RL	0.355	2.66	10	12.836	0.013	0	59.16
Stage 4-Scavo H=1.5m	-6.12	66.838	46.959	UL-RL	0.355	2.66	10	14.862	0.013	0	61.821
Stage 4-Scavo H=1.5m	-6.32	68.612	47.608	UL-RL	0.355	2.66	10	16.888	0.013	0	64.496
Stage 4-Scavo H=1.5m	-6.52	70.386	48.272	UL-RL	0.355	2.66	10	18.914	0.013	0	67.186
Stage 4-Scavo H=1.5m	-6.72	72.16	48.95	UL-RL	0.355	2.66	10	20.94	0.013	0	69.89
Stage 4-Scavo H=1.5m	-6.92	73.934	49.64	UL-RL	0.355	2.66	10	22.966	0.013	0	72.606
Stage 4-Scavo H=1.5m	-7.12	75.708	50.343	UL-RL	0.355	2.66	10	24.992	0.013	0	75.335
Stage 4-Scavo H=1.5m	-7.32	77.482	51.059	UL-RL	0.355	2.66	10	27.018	0.013	0	78.077
Stage 4-Scavo H=1.5m	-7.52	79.256	51.785	UL-RL	0.355	2.66	10	29.044	0.013	0	80.829
Stage 4-Scavo H=1.5m	-7.72	81.03	52.523	UL-RL	0.355	2.66	10	31.07	0.013	0	83.593
Stage 4-Scavo H=1.5m	-7.92	82.804	53.27	UL-RL	0.355	2.66	10	33.096	0.013	0	86.366
Stage 4-Scavo H=1.5m	-8.12	84.578	54.027	UL-RL	0.355	2.66	10	35.122	0.013	0	89.149
Stage 4-Scavo H=1.5m	-8.32	86.352	54.793	UL-RL	0.355	2.66	10	37.148	0.013	0	91.941
Stage 4-Scavo H=1.5m	-8.52	88.126	55.566	UL-RL	0.355	2.66	10	39.174	0.013	0	94.74
Stage 4-Scavo H=1.5m	-8.72	89.9	56.347	UL-RL	0.355	2.66	10	41.2	0.013	0	97.547
Stage 4-Scavo H=1.5m	-8.92	91.674	57.134	UL-RL	0.355	2.66	10	43.226	0.013	0	100.36
Stage 4-Scavo H=1.5m	-9.12	93.448	57.927	UL-RL	0.355	2.66	10	45.252	0.013	0	103.18
Stage 4-Scavo H=1.5m	-9.32	95.222	58.726	UL-RL	0.355	2.66	10	47.278	0.013	0	106.004
Stage 4-Scavo H=1.5m	-9.52	96.996	59.528	UL-RL	0.355	2.66	10	49.304	0.013	0	108.833
Stage 4-Scavo H=1.5m	-9.72	98.77	60.335	UL-RL	0.355	2.66	10	51.33	0.013	0	111.665
Stage 4-Scavo H=1.5m	-9.92	100.544	61.145	UL-RL	0.355	2.66	10	53.356	0.013	0	114.501
Stage 4-Scavo H=1.5m	-10.12	102.318	61.957	UL-RL	0.355	2.66	10	55.382	0.013	0	117.34
Stage 4-Scavo H=1.5m	-10.32	104.092	62.772	UL-RL	0.355	2.66	10	57.408	0.013	0	120.18
Stage 4-Scavo H=1.5m	-10.52	105.866	63.588	UL-RL	0.355	2.66	10	59.434	0.013	0	123.022
Stage 4-Scavo H=1.5m	-10.72	107.64	64.405	UL-RL	0.355	2.66	10	61.46	0.013	0	125.865
Stage 4-Scavo H=1.5m	-10.92	109.414	65.222	UL-RL	0.355	2.66	10	63.486	0.013	0	128.708
Stage 4-Scavo H=1.5m	-11.12	111.188	66.04	UL-RL	0.355	2.66	10	65.512	0.013	0	131.552
Stage 4-Scavo H=1.5m	-11.32	112.962	66.857	UL-RL	0.355	2.66	10	67.538	0.013	0	134.395
Stage 4-Scavo H=1.5m	-11.52	114.736	67.674	UL-RL	0.355	2.66	10	69.564	0.013	0	137.238
Stage 4-Scavo H=1.5m	-11.72	116.51	68.49	UL-RL	0.355	2.66	10	71.59	0.013	0	140.08
Stage 4-Scavo H=1.5m	-11.92	118.284	69.305	UL-RL	0.355	2.66	10	73.616	0.013	0	142.921
Stage 4-Scavo H=1.5m	-12.12	120.058	70.118	UL-RL	0.355	2.66	10	75.642	0.013	0	145.76
Stage 4-Scavo H=1.5m	-12.32	121.832	70.93	UL-RL	0.355	2.66	10	77.668	0.013	0	148.598
Stage 4-Scavo H=1.5m	-12.52	123.606	71.741	UL-RL	0.355	2.66	10	79.694	0.013	0	151.435
Stage 4-Scavo H=1.5m	-12.72	125.38	72.55	UL-RL	0.355	2.66	10	81.72	0.013	0	154.27
Stage 4-Scavo H=1.5m	-12.92	127.154	73.358	UL-RL	0.355	2.66	10	83.746	0.013	0	157.104
Stage 4-Scavo H=1.5m	-13.12	128.928	74.164	UL-RL	0.355	2.66	10	85.772	0.013	0	159.936
Stage 4-Scavo H=1.5m	-13.32	130.701	74.97	UL-RL	0.355	2.66	10	87.798	0.013	0	162.768
Stage 4-Scavo H=1.5m	-13.52	132.475	75.774	UL-RL	0.355	2.66	10	89.824	0.013	0	165.599
Stage 4-Scavo H=1.5m	-13.72	134.249	76.579	UL-RL	0.355	2.66	10	91.85	0.013	0	168.429
Stage 4-Scavo H=1.5m	-13.92	136.043	83.724	UL-RL	0.337	2.668	10	93.876	0.013	0	177.6
Stage 4-Scavo H=1.5m	-14.12	138.017	84.175	UL-RL	0.337	2.668	10	95.902	0.013	0	180.077

Design Assumption:	Nominal	Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 4-Scavo H=1.5m	-14.32	139.991	84.633	UL-RL	0.337	2.668	10	97.928	0.013	0	182.561
Stage 4-Scavo H=1.5m	-14.52	141.965	85.098	UL-RL	0.337	2.668	10	99.954	0.013	0	185.053
Stage 4-Scavo H=1.5m	-14.72	143.939	85.573	UL-RL	0.337	2.668	10	101.98	0.013	0	187.554
Stage 4-Scavo H=1.5m	-14.92	145.913	86.057	UL-RL	0.337	2.668	10	104.006	0.013	0	190.063
Stage 4-Scavo H=1.5m	-15.12	147.887	86.549	UL-RL	0.337	2.668	10	106.032	0.013	0	192.581
Stage 4-Scavo H=1.5m	-15.32	149.861	87.048	UL-RL	0.337	2.668	10	108.058	0.013	0	195.106
Stage 4-Scavo H=1.5m	-15.52	151.835	87.553	UL-RL	0.337	2.668	10	110.084	0.013	0	197.638
Stage 4-Scavo H=1.5m	-15.72	153.809	88.063	UL-RL	0.337	2.668	10	112.11	0.013	0	200.174
Stage 4-Scavo H=1.5m	-15.92	155.783	88.577	UL-RL	0.337	2.668	10	114.137	0.013	0	202.713
Stage 4-Scavo H=1.5m	-16.12	157.757	89.092	UL-RL	0.337	2.668	10	116.163	0.013	0	205.255
Stage 4-Scavo H=1.5m	-16.32	159.731	89.609	UL-RL	0.337	2.668	10	118.189	0.013	0	207.798
Stage 4-Scavo H=1.5m	-16.52	161.705	90.126	UL-RL	0.337	2.668	10	120.215	0.013	0	210.341

5.5.5. Tabella Risultati Terreno Left Wall - Nominal - Stage 5-Scavo H=3m

Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 5-Scavo H=3m	-0.32	0	0	ACTIVE	0.509	2.855	0	0	0	0	0
Stage 5-Scavo H=3m	-0.52	3.8	1.934	ACTIVE	0.509	2.855	0	0	0	0	1.934
Stage 5-Scavo H=3m	-0.72	7.6	3.868	ACTIVE	0.509	2.855	0	0	0	0	3.868
Stage 5-Scavo H=3m	-0.92	11.4	5.803	ACTIVE	0.509	2.855	0	0	0	0	5.803
Stage 5-Scavo H=3m	-1.12	15.2	7.737	ACTIVE	0.509	2.855	0	0	0	0	7.737
Stage 5-Scavo H=3m	-1.32	19	9.671	ACTIVE	0.509	2.855	0	0	0	0	9.671
Stage 5-Scavo H=3m	-1.52	22.8	11.605	ACTIVE	0.509	2.855	0	0	0	0	11.605
Stage 5-Scavo H=3m	-1.72	26.6	13.539	ACTIVE	0.509	2.855	0	0	0	0	13.539
Stage 5-Scavo H=3m	-1.92	30.4	15.474	ACTIVE	0.509	2.855	0	0	0	0	15.474
Stage 5-Scavo H=3m	-2.12	34.2	17.408	ACTIVE	0.509	2.855	0	0	0	0	17.408
Stage 5-Scavo H=3m	-2.32	38	19.342	ACTIVE	0.509	2.855	0	0	0	0	19.342
Stage 5-Scavo H=3m	-2.52	41.8	21.276	ACTIVE	0.509	2.855	0	0	0	0	21.276
Stage 5-Scavo H=3m	-2.72	45.6	23.21	ACTIVE	0.509	2.855	0	0	0	0	23.21
Stage 5-Scavo H=3m	-2.92	49.4	25.145	ACTIVE	0.509	2.855	0	0	0	0	25.145
Stage 5-Scavo H=3m	-3.12	53.2	27.079	ACTIVE	0.509	2.855	0	0	0	0	27.079
Stage 5-Scavo H=3m	-3.32	57	29.013	ACTIVE	0.509	2.855	0	0	0	0	29.013
Stage 5-Scavo H=3m	-3.52	60.8	30.947	ACTIVE	0.509	2.855	0	0	0	0	30.947
Stage 5-Scavo H=3m	-3.72	64.6	32.881	ACTIVE	0.509	2.855	0	0	0	0	32.881
Stage 5-Scavo H=3m	-3.92	68.4	34.816	ACTIVE	0.509	2.855	0	0	0	0	34.816
Stage 5-Scavo H=3m	-4.12	72.2	36.75	ACTIVE	0.509	2.855	0	0	0	0	36.75
Stage 5-Scavo H=3m	-4.32	76	38.684	ACTIVE	0.509	2.855	0	0	0	0	38.684
Stage 5-Scavo H=3m	-4.52	78.024	24.423	ACTIVE	0.493	4.453	10	1.776	0.013	0	26.199
Stage 5-Scavo H=3m	-4.72	79.85	25.323	ACTIVE	0.493	4.453	10	3.75	0.013	0	29.073
Stage 5-Scavo H=3m	-4.92	81.676	26.224	ACTIVE	0.493	4.453	10	5.724	0.013	0	31.947
Stage 5-Scavo H=3m	-5.12	83.502	27.124	ACTIVE	0.493	4.453	10	7.698	0.013	0	34.821
Stage 5-Scavo H=3m	-5.32	85.328	28.024	ACTIVE	0.493	4.453	10	9.672	0.013	0	37.696
Stage 5-Scavo H=3m	-5.52	87.154	28.924	ACTIVE	0.493	4.453	10	11.646	0.013	0	40.57
Stage 5-Scavo H=3m	-5.72	88.98	29.825	ACTIVE	0.493	4.453	10	13.62	0.013	0	43.444
Stage 5-Scavo H=3m	-5.92	90.806	30.725	ACTIVE	0.493	4.453	10	15.593	0.013	0	46.318
Stage 5-Scavo H=3m	-6.12	92.632	31.625	ACTIVE	0.493	4.453	10	17.567	0.013	0	49.192
Stage 5-Scavo H=3m	-6.32	94.459	32.525	ACTIVE	0.493	4.453	10	19.541	0.013	0	52.067
Stage 5-Scavo H=3m	-6.52	96.285	33.425	ACTIVE	0.493	4.453	10	21.515	0.013	0	54.941
Stage 5-Scavo H=3m	-6.72	98.111	34.326	ACTIVE	0.493	4.453	10	23.489	0.013	0	57.815
Stage 5-Scavo H=3m	-6.92	99.937	35.226	ACTIVE	0.493	4.453	10	25.463	0.013	0	60.689
Stage 5-Scavo H=3m	-7.12	101.763	36.126	ACTIVE	0.493	4.453	10	27.437	0.013	0	63.564
Stage 5-Scavo H=3m	-7.32	103.589	37.026	ACTIVE	0.493	4.453	10	29.411	0.013	0	66.438
Stage 5-Scavo H=3m	-7.52	105.415	37.927	ACTIVE	0.493	4.453	10	31.385	0.013	0	69.312
Stage 5-Scavo H=3m	-7.72	107.241	38.827	ACTIVE	0.493	4.453	10	33.359	0.013	0	72.186
Stage 5-Scavo H=3m	-7.92	109.067	39.727	ACTIVE	0.493	4.453	10	35.333	0.013	0	75.06
Stage 5-Scavo H=3m	-8.12	110.893	40.627	ACTIVE	0.493	4.453	10	37.307	0.013	0	77.935
Stage 5-Scavo H=3m	-8.32	112.719	41.528	ACTIVE	0.493	4.453	10	39.281	0.013	0	80.809
Stage 5-Scavo H=3m	-8.52	114.545	42.428	ACTIVE	0.493	4.453	10	41.255	0.013	0	83.683
Stage 5-Scavo H=3m	-8.72	116.371	43.328	ACTIVE	0.493	4.453	10	43.229	0.013	0	86.557
Stage 5-Scavo H=3m	-8.92	118.197	44.929	UL-RL	0.493	4.453	10	45.203	0.013	0	90.132
Stage 5-Scavo H=3m	-9.12	120.023	46.742	UL-RL	0.493	4.453	10	47.177	0.013	0	93.919
Stage 5-Scavo H=3m	-9.32	121.849	48.508	UL-RL	0.493	4.453	10	49.151	0.013	0	97.659
Stage 5-Scavo H=3m	-9.52	123.675	50.23	UL-RL	0.493	4.453	10	51.125	0.013	0	101.355
Stage 5-Scavo H=3m	-9.72	125.501	51.908	UL-RL	0.493	4.453	10	53.099	0.013	0	105.007
Stage 5-Scavo H=3m	-9.92	127.327	53.546	UL-RL	0.493	4.453	10	55.073	0.013	0	108.619
Stage 5-Scavo H=3m	-10.12	129.153	55.145	UL-RL	0.493	4.453	10	57.047	0.013	0	112.193
Stage 5-Scavo H=3m	-10.32	130.979	56.708	UL-RL	0.493	4.453	10	59.021	0.013	0	115.729
Stage 5-Scavo H=3m	-10.52	132.805	58.236	UL-RL	0.493	4.453	10	60.995	0.013	0	119.231
Stage 5-Scavo H=3m	-10.72	134.631	59.731	UL-RL	0.493	4.453	10	62.969	0.013	0	122.7
Stage 5-Scavo H=3m	-10.92	136.457	61.196	UL-RL	0.493	4.453	10	64.943	0.013	0	126.139
Stage 5-Scavo H=3m	-11.12	138.283	62.633	UL-RL	0.493	4.453	10	66.917	0.013	0	129.55
Stage 5-Scavo H=3m	-11.32	140.109	64.043	UL-RL	0.493	4.453	10	68.891	0.013	0	132.934
Stage 5-Scavo H=3m	-11.52	141.935	65.428	UL-RL	0.493	4.453	10	70.865	0.013	0	136.293
Stage 5-Scavo H=3m	-11.72	143.761	66.791	UL-RL	0.493	4.453	10	72.839	0.013	0	139.63
Stage 5-Scavo H=3m	-11.92	145.587	68.132	UL-RL	0.493	4.453	10	74.813	0.013	0	142.945
Stage 5-Scavo H=3m	-12.12	147.413	69.454	UL-RL	0.493	4.453	10	76.787	0.013	0	146.241
Stage 5-Scavo H=3m	-12.32	149.239	70.758	UL-RL	0.493	4.453	10	78.761	0.013	0	149.519
Stage 5-Scavo H=3m	-12.52	151.065	72.046	UL-RL	0.493	4.453	10	80.735	0.013	0	152.781
Stage 5-Scavo H=3m	-12.72	152.891	73.319	UL-RL	0.493	4.453	10	82.709	0.013	0	156.028
Stage 5-Scavo H=3m	-12.92	154.717	74.577	UL-RL	0.493	4.453	10	84.683	0.013	0	159.26
Stage 5-Scavo H=3m	-13.12	156.543	75.823	UL-RL	0.493	4.453	10	86.657	0.013	0	162.48
Stage 5-Scavo H=3m	-13.32	158.369	77.057	UL-RL	0.493	4.453	10	88.631	0.013	0	165.688
Stage 5-Scavo H=3m	-13.52	160.195	78.279	UL-RL	0.493	4.453	10	90.605	0.013	0	168.884

Design Assumption: Nominal		Risultati Terreno		Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq	
Stage 5-Scavo H=3m	-13.72	162.021	79.491	UL-RL	0.493	4.453	10	92.579	0.013	0	172.07	
Stage 5-Scavo H=3m	-13.92	163.867	66.378	UL-RL	0.471	4.683	10	94.553	0.013	0	160.931	
Stage 5-Scavo H=3m	-14.12	165.893	69.165	UL-RL	0.471	4.683	10	96.527	0.013	0	165.692	
Stage 5-Scavo H=3m	-14.32	167.919	71.887	UL-RL	0.471	4.683	10	98.501	0.013	0	170.388	
Stage 5-Scavo H=3m	-14.52	169.945	74.55	UL-RL	0.471	4.683	10	100.475	0.013	0	175.025	
Stage 5-Scavo H=3m	-14.72	171.971	77.159	UL-RL	0.471	4.683	10	102.449	0.013	0	179.608	
Stage 5-Scavo H=3m	-14.92	173.997	79.72	UL-RL	0.471	4.683	10	104.423	0.013	0	184.143	
Stage 5-Scavo H=3m	-15.12	176.023	82.241	UL-RL	0.471	4.683	10	106.397	0.013	0	188.638	
Stage 5-Scavo H=3m	-15.32	178.049	84.729	UL-RL	0.471	4.683	10	108.371	0.013	0	193.1	
Stage 5-Scavo H=3m	-15.52	180.075	87.191	UL-RL	0.471	4.683	10	110.345	0.013	0	197.536	
Stage 5-Scavo H=3m	-15.72	182.101	89.634	UL-RL	0.471	4.683	10	112.319	0.013	0	201.952	
Stage 5-Scavo H=3m	-15.92	184.127	92.063	UL-RL	0.471	4.683	10	114.293	0.013	0	206.356	
Stage 5-Scavo H=3m	-16.12	186.153	94.485	UL-RL	0.471	4.683	10	116.267	0.013	0	210.751	
Stage 5-Scavo H=3m	-16.32	188.179	96.902	UL-RL	0.471	4.683	10	118.241	0.013	0	215.143	
Stage 5-Scavo H=3m	-16.52	190.205	98.535	V-C	0.471	4.683	10	120.215	0.013	0	218.749	

Design Assumption: Nominal		Risultati Terreno		Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq	
Stage 5-Scavo H=3m	-0.32	0	0	REMOVED	0	0	0	0	0	0	0	
Stage 5-Scavo H=3m	-0.52	0	0	REMOVED	0	0	0	0	0	0	0	
Stage 5-Scavo H=3m	-0.72	0	0	REMOVED	0	0	0	0	0	0	0	
Stage 5-Scavo H=3m	-0.92	0	0	REMOVED	0	0	0	0	0	0	0	
Stage 5-Scavo H=3m	-1.12	0	0	REMOVED	0	0	0	0	0	0	0	
Stage 5-Scavo H=3m	-1.32	0	0	REMOVED	0	0	0	0	0	0	0	
Stage 5-Scavo H=3m	-1.52	0	0	REMOVED	0	0	0	0	0	0	0	
Stage 5-Scavo H=3m	-1.72	0	0	REMOVED	0	0	0	0	0	0	0	
Stage 5-Scavo H=3m	-1.92	0	0	REMOVED	0	0	0	0	0	0	0	
Stage 5-Scavo H=3m	-2.12	0	0	REMOVED	0	0	0	0	0	0	0	
Stage 5-Scavo H=3m	-2.32	0	0	REMOVED	0	0	0	0	0	0	0	
Stage 5-Scavo H=3m	-2.52	0	0	REMOVED	0	0	0	0	0	0	0	
Stage 5-Scavo H=3m	-2.72	0	0	REMOVED	0	0	0	0	0	0	0	
Stage 5-Scavo H=3m	-2.92	0	0	REMOVED	0	0	0	0	0	0	0	
Stage 5-Scavo H=3m	-3.12	0	0	REMOVED	0	0	0	0	0	0	0	
Stage 5-Scavo H=3m	-3.32	0	0	PASSIVE	0.477	2.242	0	0	0	0	0	
Stage 5-Scavo H=3m	-3.52	3.8	8.52	PASSIVE	0.477	2.242	0	0	0	0	8.52	
Stage 5-Scavo H=3m	-3.72	7.6	17.039	PASSIVE	0.477	2.242	0	0	0	0	17.039	
Stage 5-Scavo H=3m	-3.92	11.4	25.559	PASSIVE	0.477	2.242	0	0	0	0	25.559	
Stage 5-Scavo H=3m	-4.12	15.2	34.078	PASSIVE	0.477	2.242	0	0	0	0	34.078	
Stage 5-Scavo H=3m	-4.32	19	42.598	PASSIVE	0.477	2.242	0	0	0	0	42.598	
Stage 5-Scavo H=3m	-4.52	22.8	49.178	V-C	0.359	3.112	10	0	0	0	49.178	
Stage 5-Scavo H=3m	-4.72	25.92	50.428	V-C	0.359	3.112	10	0.68	0.013	0	51.108	
Stage 5-Scavo H=3m	-4.92	27.694	50.819	V-C	0.359	3.112	10	2.706	0.013	0	53.525	
Stage 5-Scavo H=3m	-5.12	29.468	51.219	V-C	0.359	3.112	10	4.732	0.013	0	55.951	
Stage 5-Scavo H=3m	-5.32	31.242	51.628	V-C	0.359	3.112	10	6.758	0.013	0	58.386	
Stage 5-Scavo H=3m	-5.52	33.016	52.047	V-C	0.359	3.112	10	8.784	0.013	0	60.831	
Stage 5-Scavo H=3m	-5.72	34.79	52.478	V-C	0.359	3.112	10	10.81	0.013	0	63.288	
Stage 5-Scavo H=3m	-5.92	36.564	52.921	V-C	0.359	3.112	10	12.836	0.013	0	65.756	
Stage 5-Scavo H=3m	-6.12	38.338	53.376	V-C	0.359	3.112	10	14.862	0.013	0	68.238	
Stage 5-Scavo H=3m	-6.32	40.112	53.844	V-C	0.359	3.112	10	16.888	0.013	0	70.732	
Stage 5-Scavo H=3m	-6.52	41.886	54.326	V-C	0.359	3.112	10	18.914	0.013	0	73.24	
Stage 5-Scavo H=3m	-6.72	43.66	54.822	V-C	0.359	3.112	10	20.94	0.013	0	75.762	
Stage 5-Scavo H=3m	-6.92	45.434	55.332	V-C	0.359	3.112	10	22.966	0.013	0	78.298	
Stage 5-Scavo H=3m	-7.12	47.208	55.856	V-C	0.359	3.112	10	24.992	0.013	0	80.848	
Stage 5-Scavo H=3m	-7.32	48.982	56.395	V-C	0.359	3.112	10	27.018	0.013	0	83.413	
Stage 5-Scavo H=3m	-7.52	50.756	56.51	UL-RL	0.359	3.112	10	29.044	0.013	0	85.554	
Stage 5-Scavo H=3m	-7.72	52.53	56.449	UL-RL	0.359	3.112	10	31.07	0.013	0	87.519	
Stage 5-Scavo H=3m	-7.92	54.304	56.431	UL-RL	0.359	3.112	10	33.096	0.013	0	89.527	
Stage 5-Scavo H=3m	-8.12	56.078	56.454	UL-RL	0.359	3.112	10	35.122	0.013	0	91.576	
Stage 5-Scavo H=3m	-8.32	57.852	56.519	UL-RL	0.359	3.112	10	37.148	0.013	0	93.667	
Stage 5-Scavo H=3m	-8.52	59.626	56.625	UL-RL	0.359	3.112	10	39.174	0.013	0	95.799	
Stage 5-Scavo H=3m	-8.72	61.4	56.77	UL-RL	0.359	3.112	10	41.2	0.013	0	97.97	
Stage 5-Scavo H=3m	-8.92	63.174	56.953	UL-RL	0.359	3.112	10	43.226	0.013	0	100.179	
Stage 5-Scavo H=3m	-9.12	64.948	57.173	UL-RL	0.359	3.112	10	45.252	0.013	0	102.426	
Stage 5-Scavo H=3m	-9.32	66.722	57.43	UL-RL	0.359	3.112	10	47.278	0.013	0	104.708	
Stage 5-Scavo H=3m	-9.52	68.496	57.72	UL-RL	0.359	3.112	10	49.304	0.013	0	107.024	
Stage 5-Scavo H=3m	-9.72	70.27	58.044	UL-RL	0.359	3.112	10	51.33	0.013	0	109.374	
Stage 5-Scavo H=3m	-9.92	72.044	58.399	UL-RL	0.359	3.112	10	53.356	0.013	0	111.755	
Stage 5-Scavo H=3m	-10.12	73.818	58.783	UL-RL	0.359	3.112	10	55.382	0.013	0	114.166	
Stage 5-Scavo H=3m	-10.32	75.592	59.196	UL-RL	0.359	3.112	10	57.408	0.013	0	116.604	
Stage 5-Scavo H=3m	-10.52	77.366	59.636	UL-RL	0.359	3.112	10	59.434	0.013	0	119.07	
Stage 5-Scavo H=3m	-10.72	79.14	60.1	UL-RL	0.359	3.112	10	61.46	0.013	0	121.56	
Stage 5-Scavo H=3m	-10.92	80.914	60.588	UL-RL	0.359	3.112	10	63.486	0.013	0	124.074	
Stage 5-Scavo H=3m	-11.12	82.688	61.098	UL-RL	0.359	3.112	10	65.512	0.013	0	126.61	
Stage 5-Scavo H=3m	-11.32	84.462	61.628	UL-RL	0.359	3.112	10	67.538	0.013	0	129.166	
Stage 5-Scavo H=3m	-11.52	86.236	62.177	UL-RL	0.359	3.112	10	69.564	0.013	0	131.741	
Stage 5-Scavo H=3m	-11.72	88.01	62.744	UL-RL	0.359	3.112	10	71.59	0.013	0	134.334	
Stage 5-Scavo H=3m	-11.92	89.784	63.326	UL-RL	0.359	3.112	10	73.616	0.013	0	136.942	
Stage 5-Scavo H=3m	-12.12	91.558	63.923	UL-RL	0.359	3.112	10	75.642	0.013	0	139.566	
Stage 5-Scavo H=3m	-12.32	93.332	64.534	UL-RL	0.359	3.112	10	77.668	0.013	0	142.202	
Stage 5-Scavo H=3m	-12.52	95.106	65.158	UL-RL	0.359	3.112	10	79.694	0.013	0	144.852	
Stage 5-Scavo H=3m	-12.72	96.879	65.792	UL-RL	0.359	3.112	10	81.72	0.013	0	147.513	
Stage 5-Scavo H=3m	-12.92	98.653	66.438	UL-RL	0.359	3.112	10	83.746	0.013	0	150.184	
Stage 5-Scavo H=3m	-13.12	100.428	67.093	UL-RL	0.359	3.112	10	85.772	0.013	0	152.865	
Stage 5-Scavo H=3m	-13.32	102.201	67.756	UL-RL	0.359	3.112	10	87.798	0.013	0	155.555	
Stage 5-Scavo H=3m	-13.52	103.975	68.429	UL-RL	0.359	3.112	10	89.824	0.013	0	158.253	
Stage 5-Scavo H=3m	-13.72	105.749	69.109	UL-RL	0.359	3.112	10	91.85	0.013	0	160.96	
Stage 5-Scavo H=3m	-13.92	107.543	80.914	UL-RL	0.344	3.146	10	93.876	0.013	0	174.791	
Stage 5-Scavo H=3m	-14.12	109.517	80.553	UL-RL	0.344	3.146	10	95.902	0.013	0	176.455	

Design Assumption: Nominal	Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 5-Scavo H=3m	-14.32	111.491	80.241	UL-RL	0.344	3.146	10	97.928	0.013	0	178.169
Stage 5-Scavo H=3m	-14.52	113.465	79.975	UL-RL	0.344	3.146	10	99.954	0.013	0	179.93
Stage 5-Scavo H=3m	-14.72	115.439	79.751	UL-RL	0.344	3.146	10	101.98	0.013	0	181.731
Stage 5-Scavo H=3m	-14.92	117.413	79.563	UL-RL	0.344	3.146	10	104.006	0.013	0	183.569
Stage 5-Scavo H=3m	-15.12	119.387	79.405	UL-RL	0.344	3.146	10	106.032	0.013	0	185.438
Stage 5-Scavo H=3m	-15.32	121.361	79.273	UL-RL	0.344	3.146	10	108.058	0.013	0	187.332
Stage 5-Scavo H=3m	-15.52	123.335	79.161	UL-RL	0.344	3.146	10	110.084	0.013	0	189.246
Stage 5-Scavo H=3m	-15.72	125.309	79.064	UL-RL	0.344	3.146	10	112.11	0.013	0	191.174
Stage 5-Scavo H=3m	-15.92	127.283	78.976	UL-RL	0.344	3.146	10	114.137	0.013	0	193.112
Stage 5-Scavo H=3m	-16.12	129.257	78.893	UL-RL	0.344	3.146	10	116.163	0.013	0	195.056
Stage 5-Scavo H=3m	-16.32	131.231	78.814	UL-RL	0.344	3.146	10	118.189	0.013	0	197.002
Stage 5-Scavo H=3m	-16.52	133.205	78.734	UL-RL	0.344	3.146	10	120.215	0.013	0	198.949

5.5.6. Tabella Risultati Terreno Left Wall - Nominal - Stage 6-Scavo H=4.84m

Design Assumption:	Nominal	Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 6-Scavo H=4.84m	-0.32	0	0	ACTIVE	0.509	2.855	0	0	0	0	0
Stage 6-Scavo H=4.84m	-0.52	3.8	1.934	ACTIVE	0.509	2.855	0	0	0	0	1.934
Stage 6-Scavo H=4.84m	-0.72	7.6	3.868	ACTIVE	0.509	2.855	0	0	0	0	3.868
Stage 6-Scavo H=4.84m	-0.92	11.4	5.803	ACTIVE	0.509	2.855	0	0	0	0	5.803
Stage 6-Scavo H=4.84m	-1.12	15.2	7.737	ACTIVE	0.509	2.855	0	0	0	0	7.737
Stage 6-Scavo H=4.84m	-1.32	19	9.671	ACTIVE	0.509	2.855	0	0	0	0	9.671
Stage 6-Scavo H=4.84m	-1.52	22.8	11.605	ACTIVE	0.509	2.855	0	0	0	0	11.605
Stage 6-Scavo H=4.84m	-1.72	26.6	13.539	ACTIVE	0.509	2.855	0	0	0	0	13.539
Stage 6-Scavo H=4.84m	-1.92	30.4	15.474	ACTIVE	0.509	2.855	0	0	0	0	15.474
Stage 6-Scavo H=4.84m	-2.12	34.2	17.408	ACTIVE	0.509	2.855	0	0	0	0	17.408
Stage 6-Scavo H=4.84m	-2.32	38	19.342	ACTIVE	0.509	2.855	0	0	0	0	19.342
Stage 6-Scavo H=4.84m	-2.52	41.8	21.276	ACTIVE	0.509	2.855	0	0	0	0	21.276
Stage 6-Scavo H=4.84m	-2.72	45.6	23.21	ACTIVE	0.509	2.855	0	0	0	0	23.21
Stage 6-Scavo H=4.84m	-2.92	49.4	25.145	ACTIVE	0.509	2.855	0	0	0	0	25.145
Stage 6-Scavo H=4.84m	-3.12	53.2	27.079	ACTIVE	0.509	2.855	0	0	0	0	27.079
Stage 6-Scavo H=4.84m	-3.32	57	29.013	ACTIVE	0.509	2.855	0	0	0	0	29.013
Stage 6-Scavo H=4.84m	-3.52	60.8	30.947	ACTIVE	0.509	2.855	0	0	0	0	30.947
Stage 6-Scavo H=4.84m	-3.72	64.6	32.881	ACTIVE	0.509	2.855	0	0	0	0	32.881
Stage 6-Scavo H=4.84m	-3.92	68.4	34.816	ACTIVE	0.509	2.855	0	0	0	0	34.816
Stage 6-Scavo H=4.84m	-4.12	72.2	36.75	ACTIVE	0.509	2.855	0	0	0	0	36.75
Stage 6-Scavo H=4.84m	-4.32	76	38.684	ACTIVE	0.509	2.855	0	0	0	0	38.684
Stage 6-Scavo H=4.84m	-4.52	79.8	25.299	ACTIVE	0.493	4.453	10	0	0	0	25.299
Stage 6-Scavo H=4.84m	-4.72	83.6	27.172	ACTIVE	0.493	4.453	10	0	0	0	27.172
Stage 6-Scavo H=4.84m	-4.92	87.4	29.045	ACTIVE	0.493	4.453	10	0	0	0	29.045
Stage 6-Scavo H=4.84m	-5.12	91.2	30.919	ACTIVE	0.493	4.453	10	0	0	0	30.919
Stage 6-Scavo H=4.84m	-5.32	94.214	32.405	ACTIVE	0.493	4.453	10	0.786	0.017	0	33.19
Stage 6-Scavo H=4.84m	-5.52	96.048	33.309	ACTIVE	0.493	4.453	10	2.752	0.017	0	36.061
Stage 6-Scavo H=4.84m	-5.72	97.882	34.213	ACTIVE	0.493	4.453	10	4.718	0.017	0	38.931
Stage 6-Scavo H=4.84m	-5.92	99.716	35.117	ACTIVE	0.493	4.453	10	6.684	0.017	0	41.801
Stage 6-Scavo H=4.84m	-6.12	101.55	36.021	ACTIVE	0.493	4.453	10	8.65	0.017	0	44.672
Stage 6-Scavo H=4.84m	-6.32	103.383	36.925	ACTIVE	0.493	4.453	10	10.617	0.017	0	47.542
Stage 6-Scavo H=4.84m	-6.52	105.217	37.829	ACTIVE	0.493	4.453	10	12.583	0.017	0	50.412
Stage 6-Scavo H=4.84m	-6.72	107.051	38.733	ACTIVE	0.493	4.453	10	14.549	0.017	0	53.282
Stage 6-Scavo H=4.84m	-6.92	108.885	39.637	ACTIVE	0.493	4.453	10	16.515	0.017	0	56.153
Stage 6-Scavo H=4.84m	-7.12	110.718	40.541	ACTIVE	0.493	4.453	10	18.482	0.017	0	59.023
Stage 6-Scavo H=4.84m	-7.32	112.552	41.445	ACTIVE	0.493	4.453	10	20.448	0.017	0	61.893
Stage 6-Scavo H=4.84m	-7.52	114.386	42.349	ACTIVE	0.493	4.453	10	22.414	0.017	0	64.764
Stage 6-Scavo H=4.84m	-7.72	116.22	43.253	ACTIVE	0.493	4.453	10	24.38	0.017	0	67.634
Stage 6-Scavo H=4.84m	-7.92	118.053	44.158	ACTIVE	0.493	4.453	10	26.347	0.017	0	70.504
Stage 6-Scavo H=4.84m	-8.12	119.887	45.062	ACTIVE	0.493	4.453	10	28.313	0.017	0	73.374
Stage 6-Scavo H=4.84m	-8.32	121.721	45.966	ACTIVE	0.493	4.453	10	30.279	0.017	0	76.245
Stage 6-Scavo H=4.84m	-8.52	123.555	46.87	ACTIVE	0.493	4.453	10	32.245	0.017	0	79.115
Stage 6-Scavo H=4.84m	-8.72	125.388	47.774	ACTIVE	0.493	4.453	10	34.212	0.017	0	81.985
Stage 6-Scavo H=4.84m	-8.92	127.222	48.678	ACTIVE	0.493	4.453	10	36.178	0.017	0	84.855
Stage 6-Scavo H=4.84m	-9.12	129.056	49.582	ACTIVE	0.493	4.453	10	38.144	0.017	0	87.726
Stage 6-Scavo H=4.84m	-9.32	130.89	50.486	ACTIVE	0.493	4.453	10	40.11	0.017	0	90.596
Stage 6-Scavo H=4.84m	-9.52	132.724	51.39	ACTIVE	0.493	4.453	10	42.076	0.017	0	93.466
Stage 6-Scavo H=4.84m	-9.72	134.557	52.294	ACTIVE	0.493	4.453	10	44.043	0.017	0	96.337
Stage 6-Scavo H=4.84m	-9.92	136.391	53.198	ACTIVE	0.493	4.453	10	46.009	0.017	0	99.207
Stage 6-Scavo H=4.84m	-10.12	138.225	54.102	ACTIVE	0.493	4.453	10	47.975	0.017	0	102.077
Stage 6-Scavo H=4.84m	-10.32	140.058	55.006	ACTIVE	0.493	4.453	10	49.941	0.017	0	104.947
Stage 6-Scavo H=4.84m	-10.52	141.892	55.91	ACTIVE	0.493	4.453	10	51.908	0.017	0	107.818
Stage 6-Scavo H=4.84m	-10.72	143.726	56.814	ACTIVE	0.493	4.453	10	53.874	0.017	0	110.688
Stage 6-Scavo H=4.84m	-10.92	145.56	57.718	ACTIVE	0.493	4.453	10	55.84	0.017	0	113.558
Stage 6-Scavo H=4.84m	-11.12	147.394	58.622	ACTIVE	0.493	4.453	10	57.806	0.017	0	116.428
Stage 6-Scavo H=4.84m	-11.32	149.227	59.526	ACTIVE	0.493	4.453	10	59.773	0.017	0	119.299
Stage 6-Scavo H=4.84m	-11.52	151.061	60.43	ACTIVE	0.493	4.453	10	61.739	0.017	0	122.169
Stage 6-Scavo H=4.84m	-11.72	152.895	61.334	ACTIVE	0.493	4.453	10	63.705	0.017	0	125.039
Stage 6-Scavo H=4.84m	-11.92	154.729	62.238	ACTIVE	0.493	4.453	10	65.671	0.017	0	127.91
Stage 6-Scavo H=4.84m	-12.12	156.562	63.142	ACTIVE	0.493	4.453	10	67.637	0.017	0	130.78
Stage 6-Scavo H=4.84m	-12.32	158.396	64.046	ACTIVE	0.493	4.453	10	69.604	0.017	0	133.65
Stage 6-Scavo H=4.84m	-12.52	160.23	64.951	ACTIVE	0.493	4.453	10	71.57	0.017	0	136.52
Stage 6-Scavo H=4.84m	-12.72	162.064	65.855	ACTIVE	0.493	4.453	10	73.536	0.017	0	139.391
Stage 6-Scavo H=4.84m	-12.92	163.897	66.759	ACTIVE	0.493	4.453	10	75.502	0.017	0	142.261
Stage 6-Scavo H=4.84m	-13.12	165.731	67.663	ACTIVE	0.493	4.453	10	77.469	0.017	0	145.131
Stage 6-Scavo H=4.84m	-13.32	167.565	68.567	ACTIVE	0.493	4.453	10	79.435	0.017	0	148.002
Stage 6-Scavo H=4.84m	-13.52	169.399	69.471	ACTIVE	0.493	4.453	10	81.401	0.017	0	150.872

Design Assumption:	Nominal	Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 6-Scavo H=4.84m	-13.72	171.232	71.768	UL-RL	0.493	4.453	10	83.367	0.017	0	155.135
Stage 6-Scavo H=4.84m	-13.92	173.086	67.798	ACTIVE	0.471	4.683	10	85.334	0.017	0	153.131
Stage 6-Scavo H=4.84m	-14.12	175.12	68.756	ACTIVE	0.471	4.683	10	87.3	0.017	0	156.056
Stage 6-Scavo H=4.84m	-14.32	177.154	69.714	ACTIVE	0.471	4.683	10	89.266	0.017	0	158.98
Stage 6-Scavo H=4.84m	-14.52	179.188	70.671	ACTIVE	0.471	4.683	10	91.232	0.017	0	161.904
Stage 6-Scavo H=4.84m	-14.72	181.221	71.629	ACTIVE	0.471	4.683	10	93.199	0.017	0	164.828
Stage 6-Scavo H=4.84m	-14.92	183.255	72.587	ACTIVE	0.471	4.683	10	95.165	0.017	0	167.752
Stage 6-Scavo H=4.84m	-15.12	185.289	83.48	UL-RL	0.471	4.683	10	97.131	0.017	0	180.611
Stage 6-Scavo H=4.84m	-15.32	187.322	91.3	UL-RL	0.471	4.683	10	99.097	0.017	0	190.397
Stage 6-Scavo H=4.84m	-15.52	189.356	97.073	UL-RL	0.471	4.683	10	101.064	0.017	0	198.136
Stage 6-Scavo H=4.84m	-15.72	191.39	102.795	V-C	0.471	4.683	10	103.03	0.017	0	205.825
Stage 6-Scavo H=4.84m	-15.92	193.424	107.581	V-C	0.471	4.683	10	104.996	0.017	0	212.577
Stage 6-Scavo H=4.84m	-16.12	195.458	113.234	V-C	0.471	4.683	10	106.962	0.017	0	220.196
Stage 6-Scavo H=4.84m	-16.32	197.491	120.167	V-C	0.471	4.683	10	108.928	0.017	0	229.095
Stage 6-Scavo H=4.84m	-16.52	199.525	125.248	V-C	0.471	4.683	10	110.895	0.017	0	236.143

Design Assumption:	Nominal	Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 6-Scavo H=4.84m	-0.32	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=4.84m	-0.52	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=4.84m	-0.72	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=4.84m	-0.92	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=4.84m	-1.12	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=4.84m	-1.32	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=4.84m	-1.52	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=4.84m	-1.72	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=4.84m	-1.92	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=4.84m	-2.12	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=4.84m	-2.32	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=4.84m	-2.52	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=4.84m	-2.72	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=4.84m	-2.92	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=4.84m	-3.12	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=4.84m	-3.32	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=4.84m	-3.52	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=4.84m	-3.72	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=4.84m	-3.92	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=4.84m	-4.12	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=4.84m	-4.32	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=4.84m	-4.52	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=4.84m	-4.72	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=4.84m	-4.92	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=4.84m	-5.12	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=4.84m	-5.32	3.04	46.287	PASSIVE	0.359	3.291	10	0	0	0	46.287
Stage 6-Scavo H=4.84m	-5.52	6.84	58.793	PASSIVE	0.359	3.291	10	0	0	0	58.793
Stage 6-Scavo H=4.84m	-5.72	9.568	67.772	PASSIVE	0.359	3.291	10	1.072	0.017	0	68.843
Stage 6-Scavo H=4.84m	-5.92	11.335	73.585	PASSIVE	0.359	3.291	10	3.105	0.017	0	76.69
Stage 6-Scavo H=4.84m	-6.12	13.101	75.337	V-C	0.359	3.291	10	5.139	0.017	0	80.476
Stage 6-Scavo H=4.84m	-6.32	14.867	75.143	V-C	0.359	3.291	10	7.173	0.017	0	82.316
Stage 6-Scavo H=4.84m	-6.52	16.633	74.953	V-C	0.359	3.291	10	9.207	0.017	0	84.16
Stage 6-Scavo H=4.84m	-6.72	18.4	74.771	V-C	0.359	3.291	10	11.24	0.017	0	86.011
Stage 6-Scavo H=4.84m	-6.92	20.166	74.599	V-C	0.359	3.291	10	13.274	0.017	0	87.874
Stage 6-Scavo H=4.84m	-7.12	21.932	74.441	V-C	0.359	3.291	10	15.308	0.017	0	89.749
Stage 6-Scavo H=4.84m	-7.32	23.698	74.298	V-C	0.359	3.291	10	17.342	0.017	0	91.639
Stage 6-Scavo H=4.84m	-7.52	25.465	74.17	V-C	0.359	3.291	10	19.375	0.017	0	93.546
Stage 6-Scavo H=4.84m	-7.72	27.231	74.06	V-C	0.359	3.291	10	21.409	0.017	0	95.47
Stage 6-Scavo H=4.84m	-7.92	28.997	73.969	V-C	0.359	3.291	10	23.443	0.017	0	97.412
Stage 6-Scavo H=4.84m	-8.12	30.763	73.896	V-C	0.359	3.291	10	25.477	0.017	0	99.373
Stage 6-Scavo H=4.84m	-8.32	32.529	73.843	V-C	0.359	3.291	10	27.51	0.017	0	101.354
Stage 6-Scavo H=4.84m	-8.52	34.296	73.81	V-C	0.359	3.291	10	29.544	0.017	0	103.355
Stage 6-Scavo H=4.84m	-8.72	36.062	73.798	V-C	0.359	3.291	10	31.578	0.017	0	105.376
Stage 6-Scavo H=4.84m	-8.92	37.828	73.806	V-C	0.359	3.291	10	33.612	0.017	0	107.417
Stage 6-Scavo H=4.84m	-9.12	39.594	73.834	V-C	0.359	3.291	10	35.646	0.017	0	109.48
Stage 6-Scavo H=4.84m	-9.32	41.361	73.883	V-C	0.359	3.291	10	37.679	0.017	0	111.562
Stage 6-Scavo H=4.84m	-9.52	43.127	73.952	V-C	0.359	3.291	10	39.713	0.017	0	113.665
Stage 6-Scavo H=4.84m	-9.72	44.893	74.042	V-C	0.359	3.291	10	41.747	0.017	0	115.789
Stage 6-Scavo H=4.84m	-9.92	46.659	74.151	V-C	0.359	3.291	10	43.781	0.017	0	117.932
Stage 6-Scavo H=4.84m	-10.12	48.426	74.281	V-C	0.359	3.291	10	45.814	0.017	0	120.095
Stage 6-Scavo H=4.84m	-10.32	50.192	74.429	V-C	0.359	3.291	10	47.848	0.017	0	122.277
Stage 6-Scavo H=4.84m	-10.52	51.958	74.597	V-C	0.359	3.291	10	49.882	0.017	0	124.479
Stage 6-Scavo H=4.84m	-10.72	53.724	74.783	V-C	0.359	3.291	10	51.916	0.017	0	126.699
Stage 6-Scavo H=4.84m	-10.92	55.49	74.987	V-C	0.359	3.291	10	53.949	0.017	0	128.937
Stage 6-Scavo H=4.84m	-11.12	57.257	75.209	V-C	0.359	3.291	10	55.983	0.017	0	131.192
Stage 6-Scavo H=4.84m	-11.32	59.023	75.448	V-C	0.359	3.291	10	58.017	0.017	0	133.465
Stage 6-Scavo H=4.84m	-11.52	60.789	75.703	V-C	0.359	3.291	10	60.051	0.017	0	135.754
Stage 6-Scavo H=4.84m	-11.72	62.555	75.974	V-C	0.359	3.291	10	62.084	0.017	0	138.058
Stage 6-Scavo H=4.84m	-11.92	64.322	75.663	UL-RL	0.359	3.291	10	64.118	0.017	0	139.781
Stage 6-Scavo H=4.84m	-12.12	66.088	74.803	UL-RL	0.359	3.291	10	66.152	0.017	0	140.955
Stage 6-Scavo H=4.84m	-12.32	67.854	73.985	UL-RL	0.359	3.291	10	68.186	0.017	0	142.17
Stage 6-Scavo H=4.84m	-12.52	69.62	73.207	UL-RL	0.359	3.291	10	70.219	0.017	0	143.426
Stage 6-Scavo H=4.84m	-12.72	71.387	72.467	UL-RL	0.359	3.291	10	72.253	0.017	0	144.72
Stage 6-Scavo H=4.84m	-12.92	73.153	71.763	UL-RL	0.359	3.291	10	74.287	0.017	0	146.05
Stage 6-Scavo H=4.84m	-13.12	74.919	71.094	UL-RL	0.359	3.291	10	76.321	0.017	0	147.414
Stage 6-Scavo H=4.84m	-13.32	76.685	70.457	UL-RL	0.359	3.291	10	78.354	0.017	0	148.811
Stage 6-Scavo H=4.84m	-13.52	78.452	69.851	UL-RL	0.359	3.291	10	80.388	0.017	0	150.239
Stage 6-Scavo H=4.84m	-13.72	80.218	69.273	UL-RL	0.359	3.291	10	82.422	0.017	0	151.695
Stage 6-Scavo H=4.84m	-13.92	82.004	97.406	V-C	0.344	3.491	10	84.456	0.017	0	181.861
Stage 6-Scavo H=4.84m	-14.12	83.97	95.22	V-C	0.344	3.491	10	86.49	0.017	0	181.71

Design Assumption:	Nominal	Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 6-Scavo H=4.84m	-14.32	85.937	93.09	V-C	0.344	3.491	10	88.523	0.017	0	181.613
Stage 6-Scavo H=4.84m	-14.52	87.903	91.009	V-C	0.344	3.491	10	90.557	0.017	0	181.566
Stage 6-Scavo H=4.84m	-14.72	89.869	88.304	UL-RL	0.344	3.491	10	92.591	0.017	0	180.895
Stage 6-Scavo H=4.84m	-14.92	91.835	80.35	UL-RL	0.344	3.491	10	94.625	0.017	0	174.975
Stage 6-Scavo H=4.84m	-15.12	93.801	72.495	UL-RL	0.344	3.491	10	96.658	0.017	0	169.153
Stage 6-Scavo H=4.84m	-15.32	95.768	64.72	UL-RL	0.344	3.491	10	98.692	0.017	0	163.412
Stage 6-Scavo H=4.84m	-15.52	97.734	57.008	UL-RL	0.344	3.491	10	100.726	0.017	0	157.734
Stage 6-Scavo H=4.84m	-15.72	99.7	49.342	UL-RL	0.344	3.491	10	102.76	0.017	0	152.102
Stage 6-Scavo H=4.84m	-15.92	101.666	41.707	UL-RL	0.344	3.491	10	104.793	0.017	0	146.5
Stage 6-Scavo H=4.84m	-16.12	103.633	34.09	UL-RL	0.344	3.491	10	106.827	0.017	0	140.917
Stage 6-Scavo H=4.84m	-16.32	105.599	26.48	UL-RL	0.344	3.491	10	108.861	0.017	0	135.341
Stage 6-Scavo H=4.84m	-16.52	107.565	25.272	ACTIVE	0.344	3.491	10	110.895	0.017	0	136.167

5.5.7. Tabella Risultati Terreno Left Wall - Nominal - Sismica

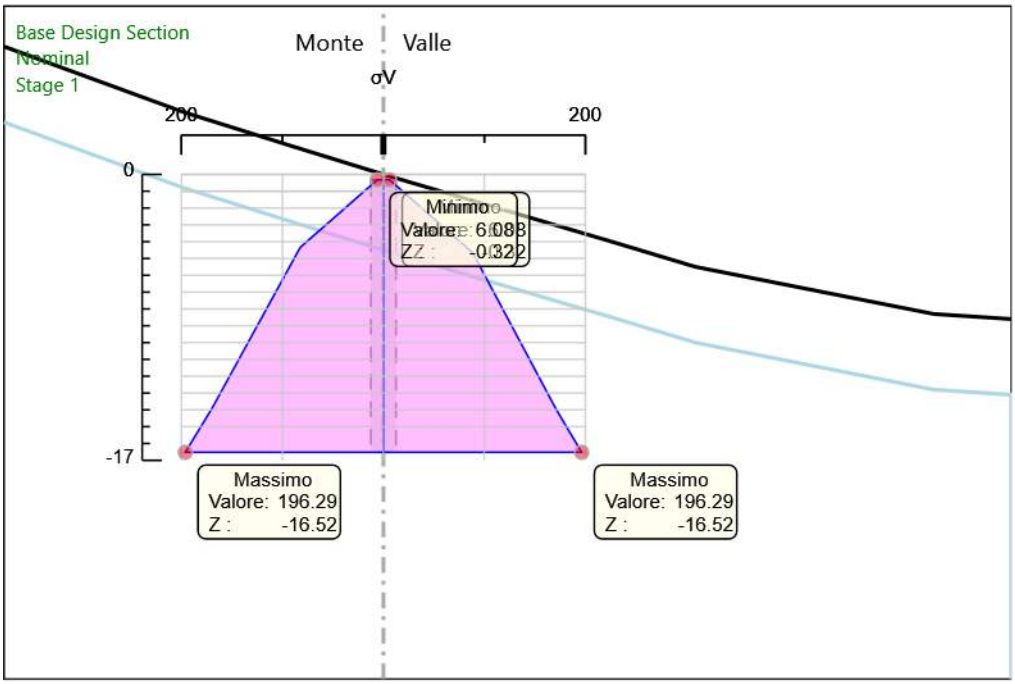
Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Sismica	-0.32	0	0	ACTIVE	0.509	2.98	0	0	0	0	0
Sismica	-0.52	3.8	1.934	ACTIVE	0.509	2.98	0	0	0	0	1.934
Sismica	-0.72	7.6	3.868	ACTIVE	0.509	2.98	0	0	0	0	3.868
Sismica	-0.92	11.4	5.803	ACTIVE	0.509	2.98	0	0	0	0	5.803
Sismica	-1.12	15.2	7.737	ACTIVE	0.509	2.98	0	0	0	0	7.737
Sismica	-1.32	19	9.671	ACTIVE	0.509	2.98	0	0	0	0	9.671
Sismica	-1.52	22.8	11.605	ACTIVE	0.509	2.98	0	0	0	0	11.605
Sismica	-1.72	26.6	13.539	ACTIVE	0.509	2.98	0	0	0	0	13.539
Sismica	-1.92	30.4	15.474	ACTIVE	0.509	2.98	0	0	0	0	15.474
Sismica	-2.12	34.2	17.408	ACTIVE	0.509	2.98	0	0	0	0	17.408
Sismica	-2.32	38	19.342	ACTIVE	0.509	2.98	0	0	0	0	19.342
Sismica	-2.52	41.8	21.276	ACTIVE	0.509	2.98	0	0	0	0	21.276
Sismica	-2.72	45.6	23.21	ACTIVE	0.509	2.98	0	0	0	0	23.21
Sismica	-2.92	49.4	25.145	ACTIVE	0.509	2.98	0	0	0	0	25.145
Sismica	-3.12	53.2	27.079	ACTIVE	0.509	2.98	0	0	0	0	27.079
Sismica	-3.32	57	29.013	ACTIVE	0.509	2.98	0	0	0	0	29.013
Sismica	-3.52	60.8	30.947	ACTIVE	0.509	2.98	0	0	0	0	30.947
Sismica	-3.72	64.6	32.881	ACTIVE	0.509	2.98	0	0	0	0	32.881
Sismica	-3.92	68.4	34.816	ACTIVE	0.509	2.98	0	0	0	0	34.816
Sismica	-4.12	72.2	36.75	ACTIVE	0.509	2.98	0	0	0	0	36.75
Sismica	-4.32	76	38.684	ACTIVE	0.509	2.98	0	0	0	0	38.684
Sismica	-4.52	79.8	25.299	ACTIVE	0.493	4.589	10	0	0	0	25.299
Sismica	-4.72	83.6	27.172	ACTIVE	0.493	4.589	10	0	0	0	27.172
Sismica	-4.92	87.4	29.045	ACTIVE	0.493	4.589	10	0	0	0	29.045
Sismica	-5.12	91.2	30.919	ACTIVE	0.493	4.589	10	0	0	0	30.919
Sismica	-5.32	94.214	32.405	ACTIVE	0.493	4.588	10	0.786	0.017	0	33.19
Sismica	-5.52	96.048	33.309	ACTIVE	0.493	4.586	10	2.752	0.017	0	36.061
Sismica	-5.72	97.882	34.213	ACTIVE	0.493	4.584	10	4.718	0.017	0	38.931
Sismica	-5.92	99.716	35.117	ACTIVE	0.493	4.582	10	6.684	0.017	0	41.801
Sismica	-6.12	101.55	36.021	ACTIVE	0.493	4.58	10	8.65	0.017	0	44.672
Sismica	-6.32	103.383	36.925	ACTIVE	0.493	4.578	10	10.617	0.017	0	47.542
Sismica	-6.52	105.217	37.829	ACTIVE	0.493	4.576	10	12.583	0.017	0	50.412
Sismica	-6.72	107.051	38.733	ACTIVE	0.493	4.574	10	14.549	0.017	0	53.282
Sismica	-6.92	108.885	39.637	ACTIVE	0.493	4.572	10	16.515	0.017	0	56.153
Sismica	-7.12	110.718	40.541	ACTIVE	0.493	4.571	10	18.482	0.017	0	59.023
Sismica	-7.32	112.552	41.445	ACTIVE	0.493	4.569	10	20.448	0.017	0	61.893
Sismica	-7.52	114.386	42.349	ACTIVE	0.493	4.568	10	22.414	0.017	0	64.764
Sismica	-7.72	116.22	43.253	ACTIVE	0.493	4.566	10	24.38	0.017	0	67.634
Sismica	-7.92	118.053	44.158	ACTIVE	0.493	4.565	10	26.347	0.017	0	70.504
Sismica	-8.12	119.887	45.062	ACTIVE	0.493	4.563	10	28.313	0.017	0	73.374
Sismica	-8.32	121.721	45.966	ACTIVE	0.493	4.562	10	30.279	0.017	0	76.245
Sismica	-8.52	123.555	46.87	ACTIVE	0.493	4.56	10	32.245	0.017	0	79.115
Sismica	-8.72	125.388	47.774	ACTIVE	0.493	4.559	10	34.212	0.017	0	81.985
Sismica	-8.92	127.222	48.678	ACTIVE	0.493	4.558	10	36.178	0.017	0	84.855
Sismica	-9.12	129.056	49.582	ACTIVE	0.493	4.557	10	38.144	0.017	0	87.726
Sismica	-9.32	130.89	50.486	ACTIVE	0.493	4.555	10	40.11	0.017	0	90.596
Sismica	-9.52	132.724	51.39	ACTIVE	0.493	4.554	10	42.076	0.017	0	93.466
Sismica	-9.72	134.557	52.294	ACTIVE	0.493	4.553	10	44.043	0.017	0	96.337
Sismica	-9.92	136.391	53.198	ACTIVE	0.493	4.552	10	46.009	0.017	0	99.207
Sismica	-10.12	138.225	54.102	ACTIVE	0.493	4.551	10	47.975	0.017	0	102.077
Sismica	-10.32	140.058	55.006	ACTIVE	0.493	4.55	10	49.941	0.017	0	104.947
Sismica	-10.52	141.892	55.91	ACTIVE	0.493	4.549	10	51.908	0.017	0	107.818
Sismica	-10.72	143.726	56.814	ACTIVE	0.493	4.548	10	53.874	0.017	0	110.688
Sismica	-10.92	145.56	57.718	ACTIVE	0.493	4.547	10	55.84	0.017	0	113.558
Sismica	-11.12	147.394	58.622	ACTIVE	0.493	4.546	10	57.806	0.017	0	116.428
Sismica	-11.32	149.227	59.526	ACTIVE	0.493	4.545	10	59.773	0.017	0	119.299
Sismica	-11.52	151.061	60.43	ACTIVE	0.493	4.544	10	61.739	0.017	0	122.169
Sismica	-11.72	152.895	61.334	ACTIVE	0.493	4.543	10	63.705	0.017	0	125.039
Sismica	-11.92	154.729	62.238	ACTIVE	0.493	4.543	10	65.671	0.017	0	127.91
Sismica	-12.12	156.562	63.142	ACTIVE	0.493	4.542	10	67.637	0.017	0	130.78
Sismica	-12.32	158.396	64.046	ACTIVE	0.493	4.541	10	69.604	0.017	0	133.65
Sismica	-12.52	160.23	64.951	ACTIVE	0.493	4.54	10	71.57	0.017	0	136.52
Sismica	-12.72	162.064	65.855	ACTIVE	0.493	4.539	10	73.536	0.017	0	139.391
Sismica	-12.92	163.897	66.759	ACTIVE	0.493	4.539	10	75.502	0.017	0	142.261
Sismica	-13.12	165.731	67.663	ACTIVE	0.493	4.538	10	77.469	0.017	0	145.131
Sismica	-13.32	167.565	68.567	ACTIVE	0.493	4.537	10	79.435	0.017	0	148.002
Sismica	-13.52	169.399	69.471	ACTIVE	0.493	4.536	10	81.401	0.017	0	150.872

Design Assumption: Nominal	Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Sismica	-13.72	171.232	70.375	ACTIVE	0.493	4.536	10	83.367	0.017	0	153.742
Sismica	-13.92	173.086	67.798	ACTIVE	0.471	4.753	10	85.334	0.017	0	153.131
Sismica	-14.12	175.12	68.756	ACTIVE	0.471	4.753	10	87.3	0.017	0	156.056
Sismica	-14.32	177.154	69.714	ACTIVE	0.471	4.752	10	89.266	0.017	0	158.98
Sismica	-14.52	179.188	70.671	ACTIVE	0.471	4.751	10	91.232	0.017	0	161.904
Sismica	-14.72	181.221	71.629	ACTIVE	0.471	4.75	10	93.199	0.017	0	164.828
Sismica	-14.92	183.255	74.506	UL-RL	0.471	4.75	10	95.165	0.017	0	169.67
Sismica	-15.12	185.289	91.047	UL-RL	0.471	4.749	10	97.131	0.017	0	188.178
Sismica	-15.32	187.322	97.799	UL-RL	0.471	4.748	10	99.097	0.017	0	196.897
Sismica	-15.52	189.356	104.512	V-C	0.471	4.748	10	101.064	0.017	0	205.575
Sismica	-15.72	191.39	111.17	V-C	0.471	4.747	10	103.03	0.017	0	214.2
Sismica	-15.92	193.424	117.879	V-C	0.471	4.746	10	104.996	0.017	0	222.875
Sismica	-16.12	195.458	125.454	V-C	0.471	4.746	10	106.962	0.017	0	232.416
Sismica	-16.32	197.491	134.308	V-C	0.471	4.745	10	108.928	0.017	0	243.236
Sismica	-16.52	199.525	141.31	V-C	0.471	4.745	10	110.895	0.017	0	252.204

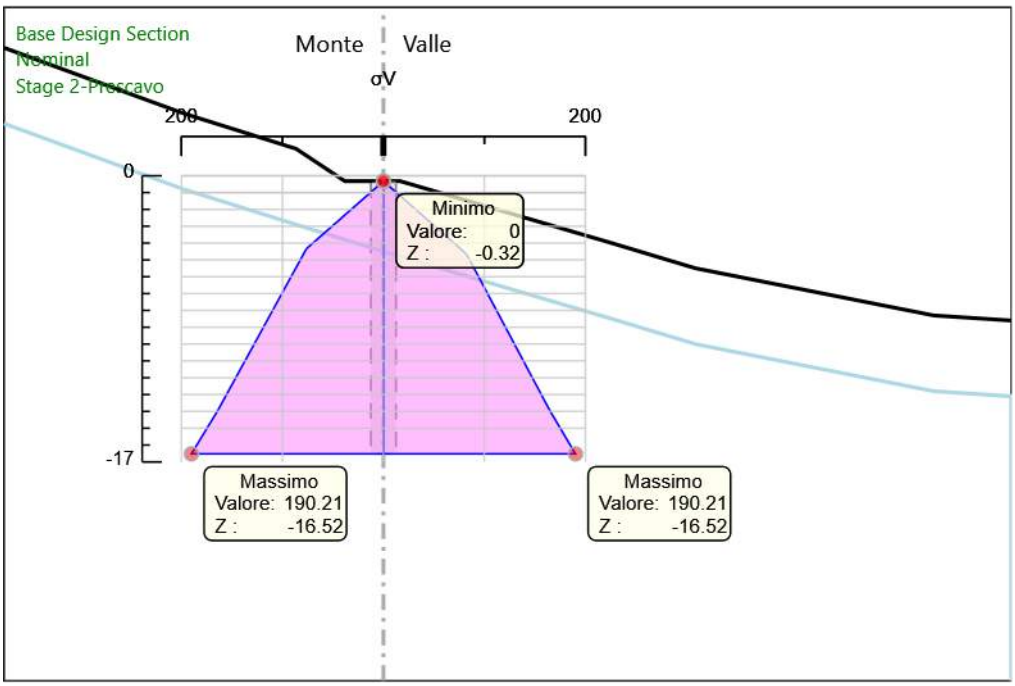
Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Sismica	-0.32	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-0.52	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-0.72	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-0.92	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-1.12	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-1.32	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-1.52	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-1.72	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-1.92	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-2.12	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-2.32	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-2.52	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-2.72	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-2.92	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-3.12	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-3.32	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-3.52	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-3.72	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-3.92	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-4.12	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-4.32	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-4.52	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-4.72	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-4.92	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-5.12	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-5.32	3.04	44.192	PASSIVE	0.359	2.965	10.216	0	0	0	44.192
Sismica	-5.52	6.84	55.458	PASSIVE	0.359	2.965	10.216	0	0	0	55.458
Sismica	-5.72	9.568	63.15	PASSIVE	0.359	2.939	10.216	1.072	0.017	0	64.221
Sismica	-5.92	11.335	67.699	PASSIVE	0.359	2.902	10.216	3.105	0.017	0	70.804
Sismica	-6.12	13.101	72.307	PASSIVE	0.359	2.875	10.216	5.139	0.017	0	77.446
Sismica	-6.32	14.867	76.954	PASSIVE	0.359	2.854	10.216	7.173	0.017	0	84.126
Sismica	-6.52	16.633	81.626	PASSIVE	0.359	2.838	10.216	9.207	0.017	0	90.833
Sismica	-6.72	18.4	86.317	PASSIVE	0.359	2.825	10.216	11.24	0.017	0	97.558
Sismica	-6.92	20.166	87.245	V-C	0.359	2.814	10.216	13.274	0.017	0	100.519
Sismica	-7.12	21.932	86.658	V-C	0.359	2.805	10.216	15.308	0.017	0	101.966
Sismica	-7.32	23.698	86.092	V-C	0.359	2.797	10.216	17.342	0.017	0	103.434
Sismica	-7.52	25.465	85.547	V-C	0.359	2.791	10.216	19.375	0.017	0	104.923
Sismica	-7.72	27.231	85.026	V-C	0.359	2.785	10.216	21.409	0.017	0	106.435
Sismica	-7.92	28.997	84.529	V-C	0.359	2.78	10.216	23.443	0.017	0	107.972
Sismica	-8.12	30.763	84.057	V-C	0.359	2.775	10.216	25.477	0.017	0	109.533
Sismica	-8.32	32.529	83.61	V-C	0.359	2.771	10.216	27.51	0.017	0	111.12
Sismica	-8.52	34.296	83.19	V-C	0.359	2.768	10.216	29.544	0.017	0	112.734
Sismica	-8.72	36.062	82.796	V-C	0.359	2.764	10.216	31.578	0.017	0	114.374
Sismica	-8.92	37.828	82.429	V-C	0.359	2.761	10.216	33.612	0.017	0	116.04
Sismica	-9.12	39.594	82.088	V-C	0.359	2.759	10.216	35.646	0.017	0	117.734
Sismica	-9.32	41.361	81.775	V-C	0.359	2.756	10.216	37.679	0.017	0	119.454
Sismica	-9.52	43.127	81.488	V-C	0.359	2.754	10.216	39.713	0.017	0	121.201
Sismica	-9.72	44.893	81.227	V-C	0.359	2.752	10.216	41.747	0.017	0	122.974
Sismica	-9.92	46.659	80.993	V-C	0.359	2.75	10.216	43.781	0.017	0	124.774
Sismica	-10.12	48.426	80.785	V-C	0.359	2.748	10.216	45.814	0.017	0	126.599
Sismica	-10.32	50.192	80.602	V-C	0.359	2.747	10.216	47.848	0.017	0	128.45
Sismica	-10.52	51.958	80.444	V-C	0.359	2.745	10.216	49.882	0.017	0	130.326
Sismica	-10.72	53.724	80.311	V-C	0.359	2.744	10.216	51.916	0.017	0	132.226
Sismica	-10.92	55.49	80.201	V-C	0.359	2.742	10.216	53.949	0.017	0	134.151
Sismica	-11.12	57.257	80.115	V-C	0.359	2.741	10.216	55.983	0.017	0	136.098
Sismica	-11.32	59.023	80.052	V-C	0.359	2.74	10.216	58.017	0.017	0	138.068
Sismica	-11.52	60.789	80.01	V-C	0.359	2.739	10.216	60.051	0.017	0	140.06
Sismica	-11.72	62.555	79.989	V-C	0.359	2.738	10.216	62.084	0.017	0	142.074
Sismica	-11.92	64.322	79.989	V-C	0.359	2.737	10.216	64.118	0.017	0	144.108
Sismica	-12.12	66.088	80.009	V-C	0.359	2.736	10.216	66.152	0.017	0	146.161
Sismica	-12.32	67.854	80.047	V-C	0.359	2.735	10.216	68.186	0.017	0	148.233
Sismica	-12.52	69.62	80.104	V-C	0.359	2.734	10.216	70.219	0.017	0	150.323
Sismica	-12.72	71.387	80.178	V-C	0.359	2.733	10.216	72.253	0.017	0	152.431
Sismica	-12.92	73.153	78.871	UL-RL	0.359	2.732	10.216	74.287	0.017	0	153.158
Sismica	-13.12	74.919	77.425	UL-RL	0.359	2.732	10.216	76.321	0.017	0	153.745
Sismica	-13.32	76.685	76.023	UL-RL	0.359	2.731	10.216	78.354	0.017	0	154.377
Sismica	-13.52	78.452	74.663	UL-RL	0.359	2.73	10.216	80.388	0.017	0	155.051
Sismica	-13.72	80.218	73.341	UL-RL	0.359	2.73	10.216	82.422	0.017	0	155.763
Sismica	-13.92	82.004	104.671	V-C	0.344	2.934	10.216	84.456	0.017	0	189.127
Sismica	-14.12	83.97	100.904	V-C	0.344	2.934	10.216	86.49	0.017	0	187.393

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Sismica	-14.32	85.937	97.207	V-C	0.344	2.933	10.216	88.523	0.017	0	185.731
Sismica	-14.52	87.903	93.576	V-C	0.344	2.933	10.216	90.557	0.017	0	184.133
Sismica	-14.72	89.869	90.002	V-C	0.344	2.932	10.216	92.591	0.017	0	182.592
Sismica	-14.92	91.835	78.852	UL-RL	0.344	2.932	10.216	94.625	0.017	0	173.477
Sismica	-15.12	93.801	66.441	UL-RL	0.344	2.931	10.216	96.658	0.017	0	163.099
Sismica	-15.32	95.768	54.13	UL-RL	0.344	2.931	10.216	98.692	0.017	0	152.822
Sismica	-15.52	97.734	41.897	UL-RL	0.344	2.93	10.216	100.726	0.017	0	142.623
Sismica	-15.72	99.7	29.72	UL-RL	0.344	2.93	10.216	102.76	0.017	0	132.48
Sismica	-15.92	101.666	22.99	ACTIVE	0.344	2.93	10.216	104.793	0.017	0	127.783
Sismica	-16.12	103.633	23.666	ACTIVE	0.344	2.929	10.216	106.827	0.017	0	130.493
Sismica	-16.32	105.599	24.343	ACTIVE	0.344	2.929	10.216	108.861	0.017	0	133.204
Sismica	-16.52	107.565	25.019	ACTIVE	0.344	2.928	10.216	110.895	0.017	0	135.914

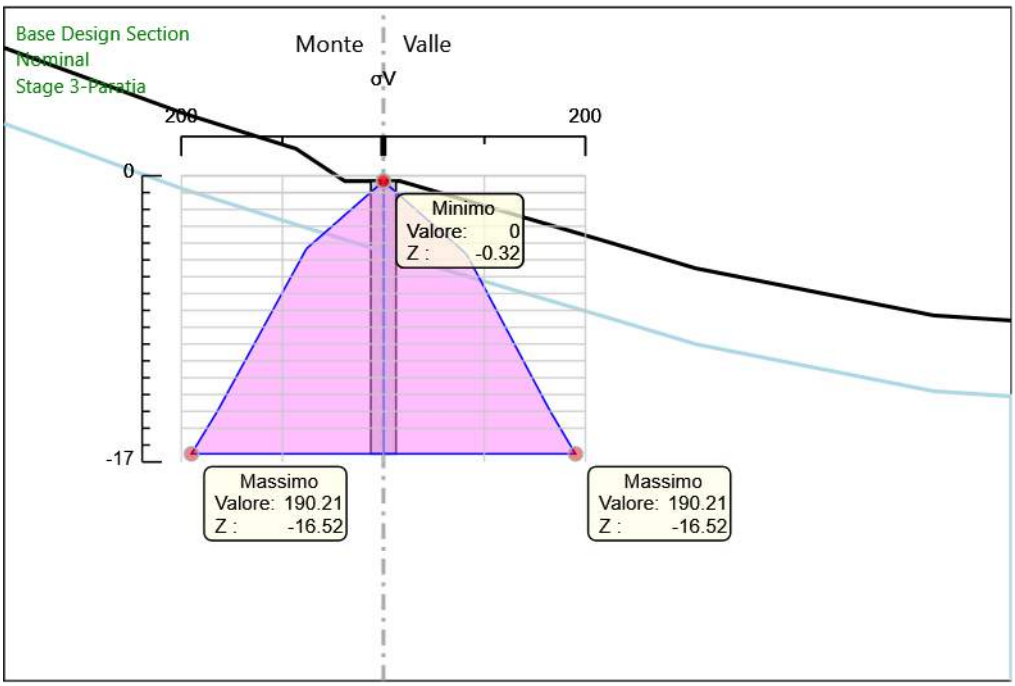
5.6. Grafico Risultati Terreno Sigma V



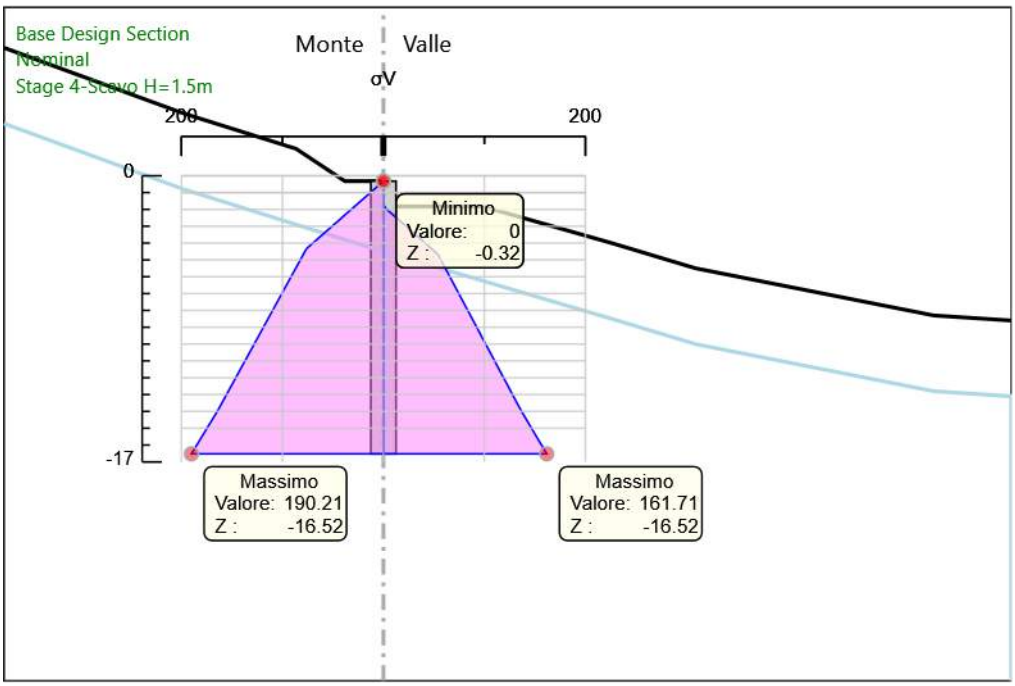
Design Assumption: Nominal
Stage: Stage 1
Sigma V



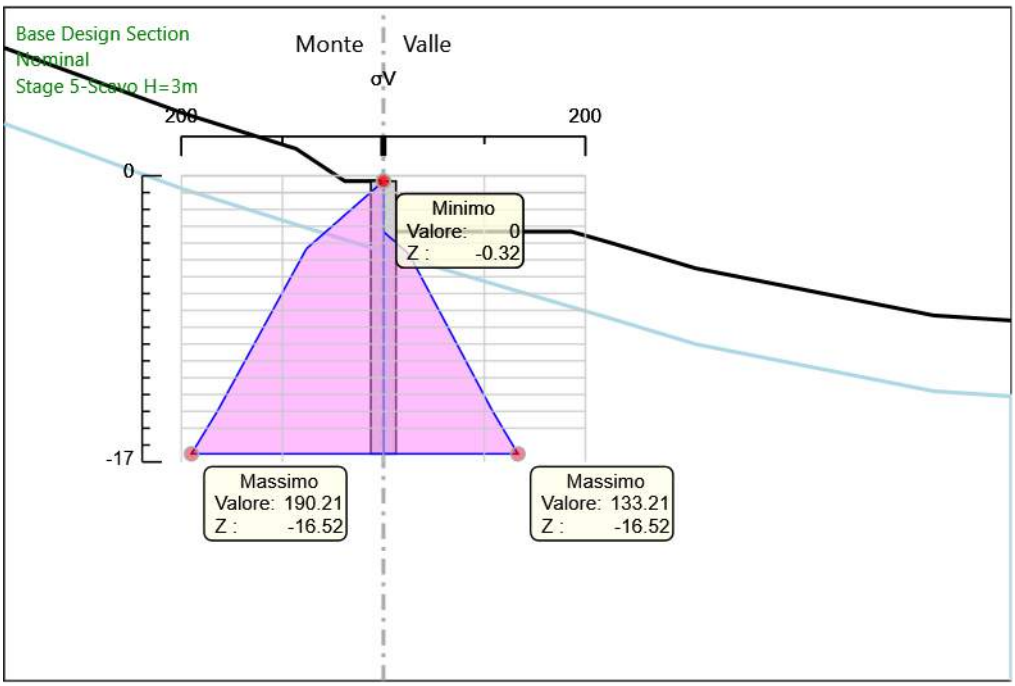
Design Assumption: Nominal
Stage: Stage 2-Prescavo
Sigma V



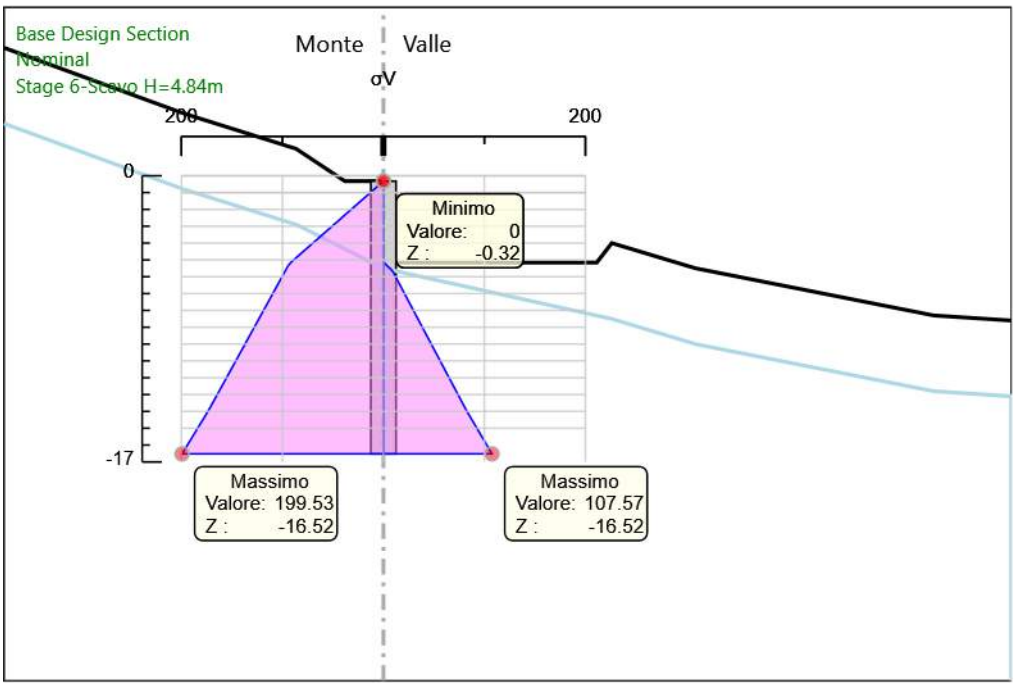
Design Assumption: Nominal
Stage: Stage 3-Paratia
Sigma V



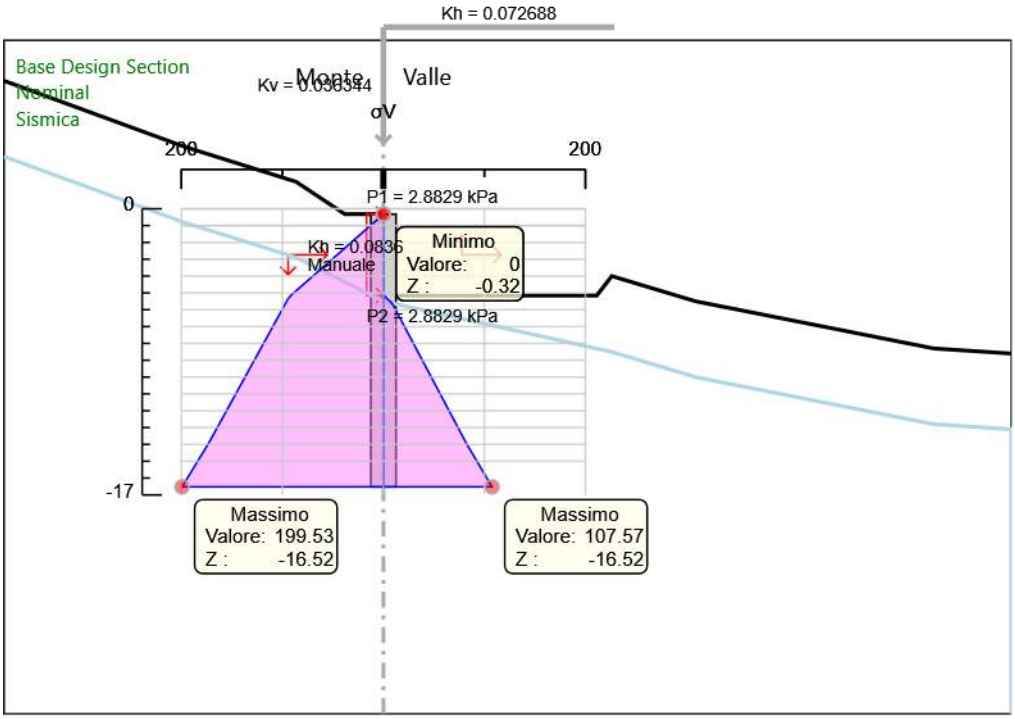
Design Assumption: Nominal
Stage: Stage 4-Scavo H=1.5m
Sigma V



Design Assumption: Nominal
Stage: Stage 5-Scavo H=3m
Sigma V

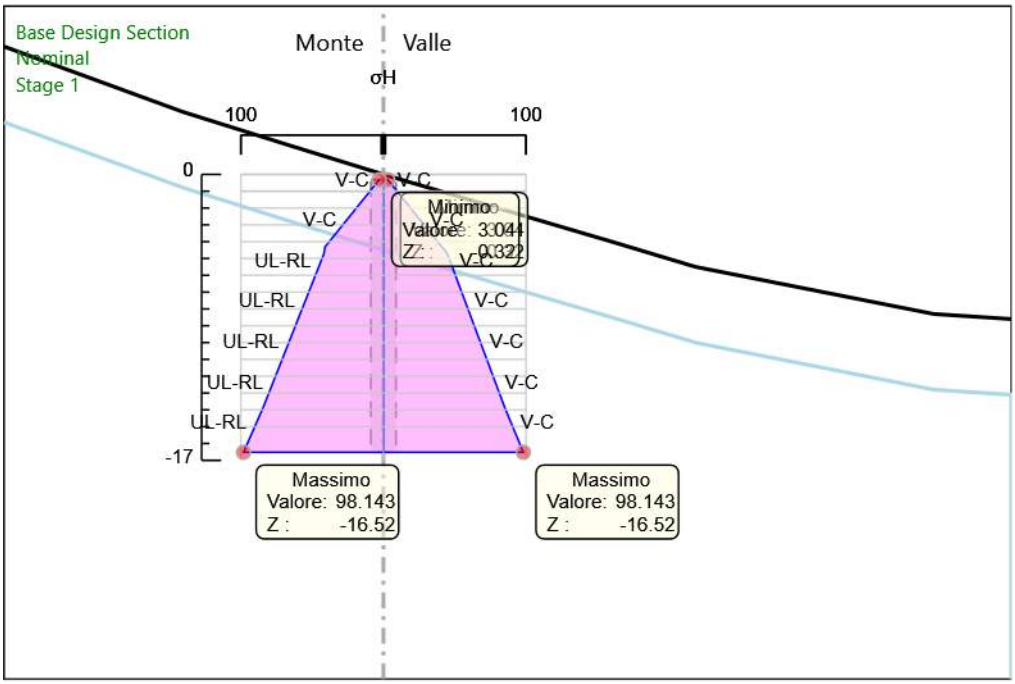


Design Assumption: Nominal
Stage: Stage 6-Scavo H=4.84m
Sigma V

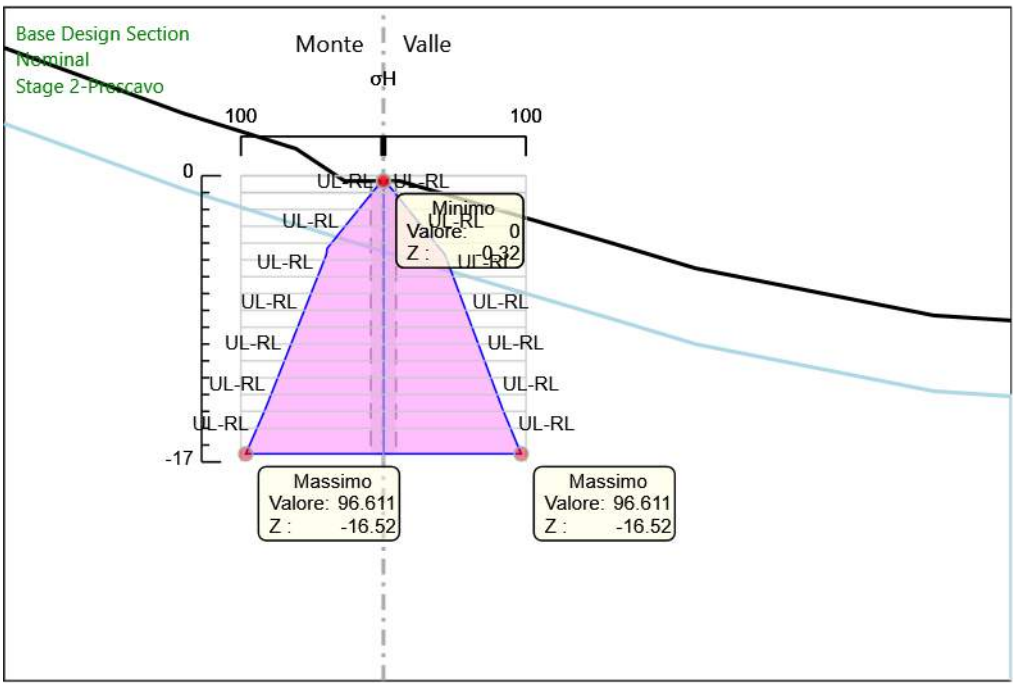


Design Assumption: Nominal
Stage: Sismica
Sigma V

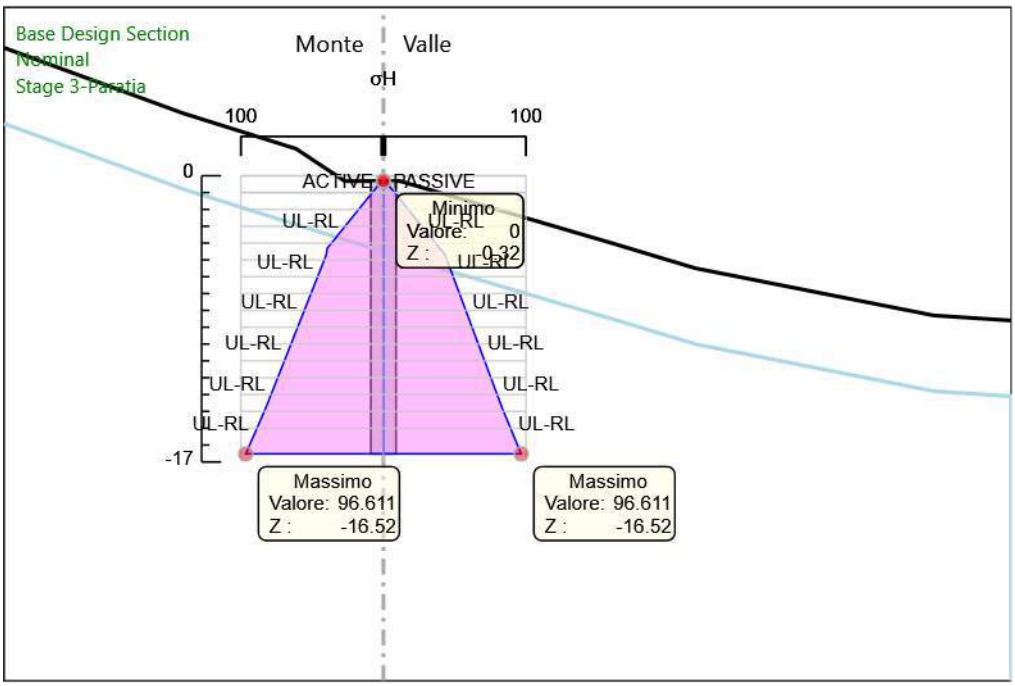
5.7. Grafico Risultati Terreno Sigma H



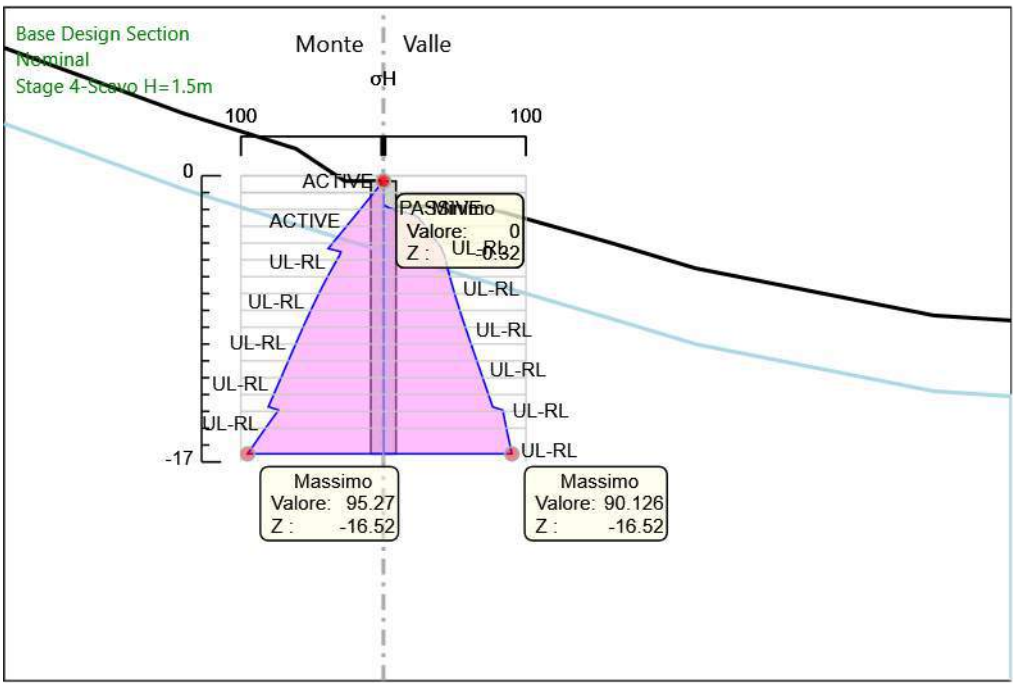
Design Assumption: Nominal
Stage: Stage 1
Sigma H



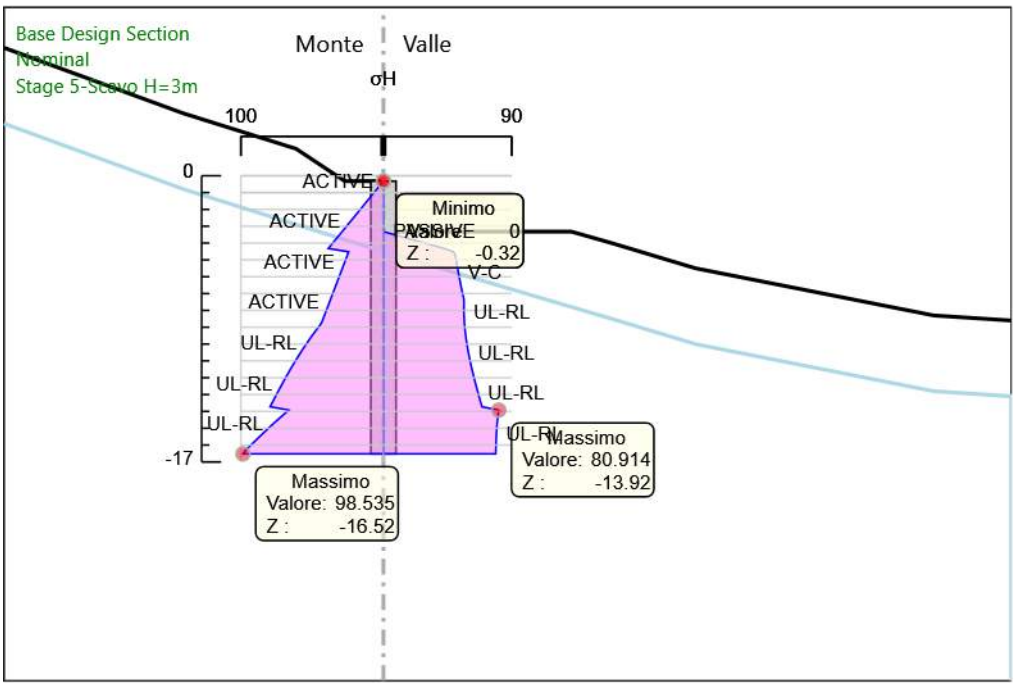
Design Assumption: Nominal
Stage: Stage 2-Prescavo
Sigma H



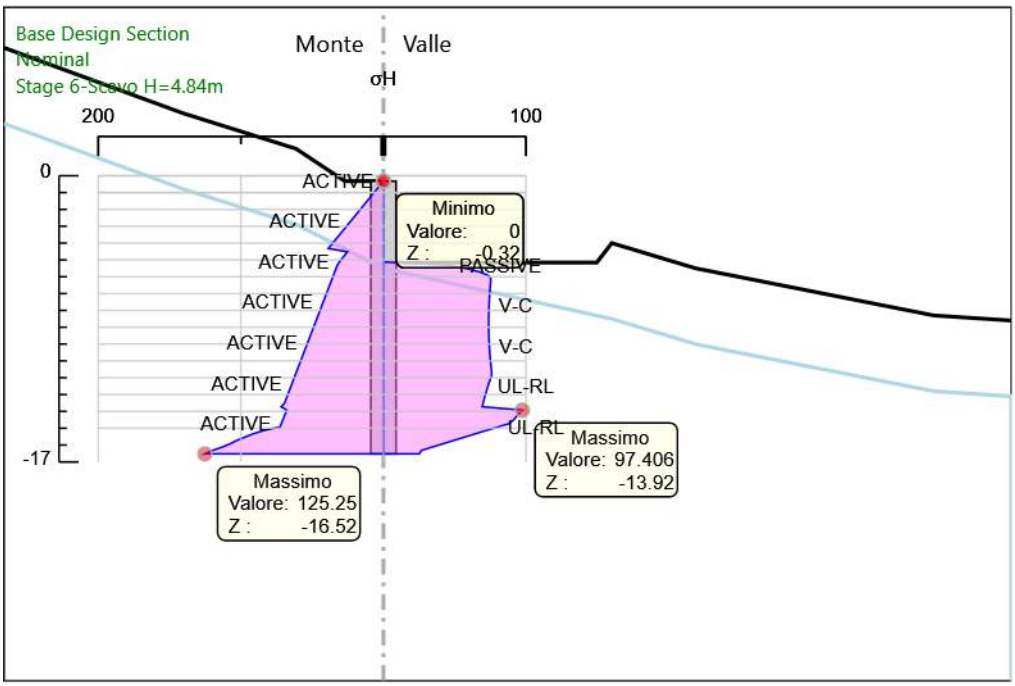
Design Assumption: Nominal
Stage: Stage 3-Paratia
Sigma H



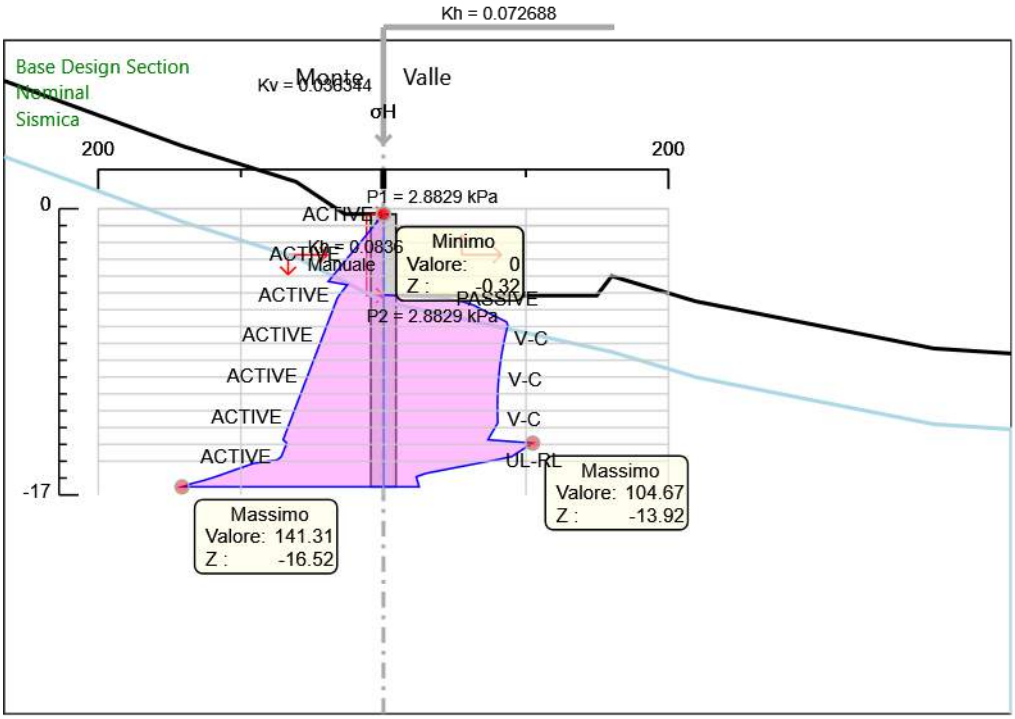
Design Assumption: Nominal
Stage: Stage 4-Scavo H=1.5m
Sigma H



Design Assumption: Nominal
Stage: Stage 5-Scavo H=3m
Sigma H

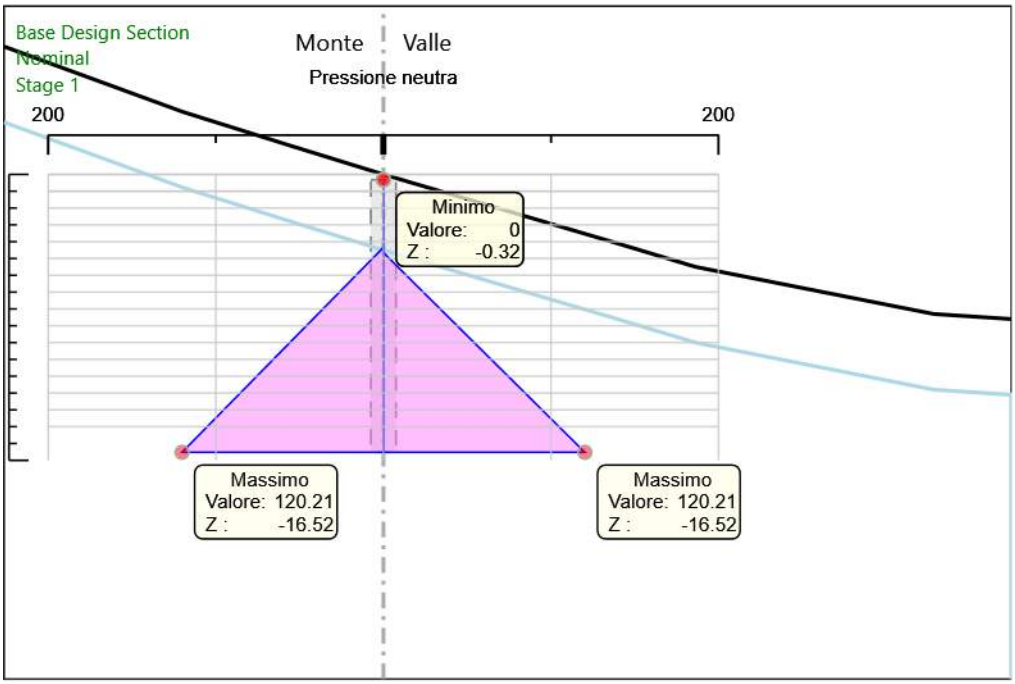


Design Assumption: Nominal
Stage: Stage 6-Scavo H=4.84m
Sigma H

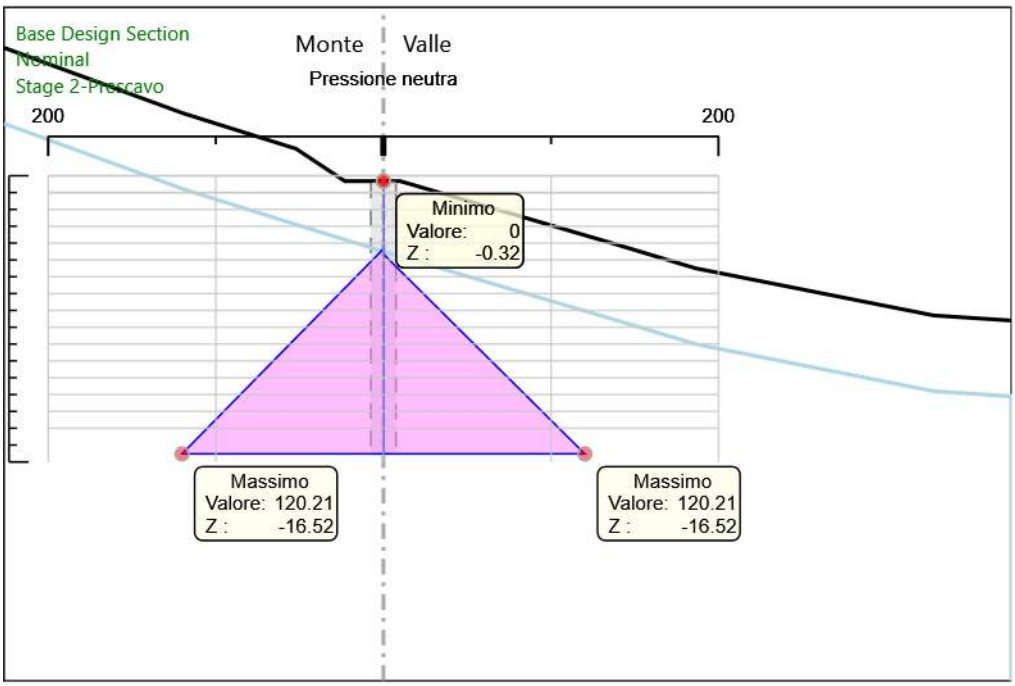


Design Assumption: Nominal
Stage: Sismica
Sigma H

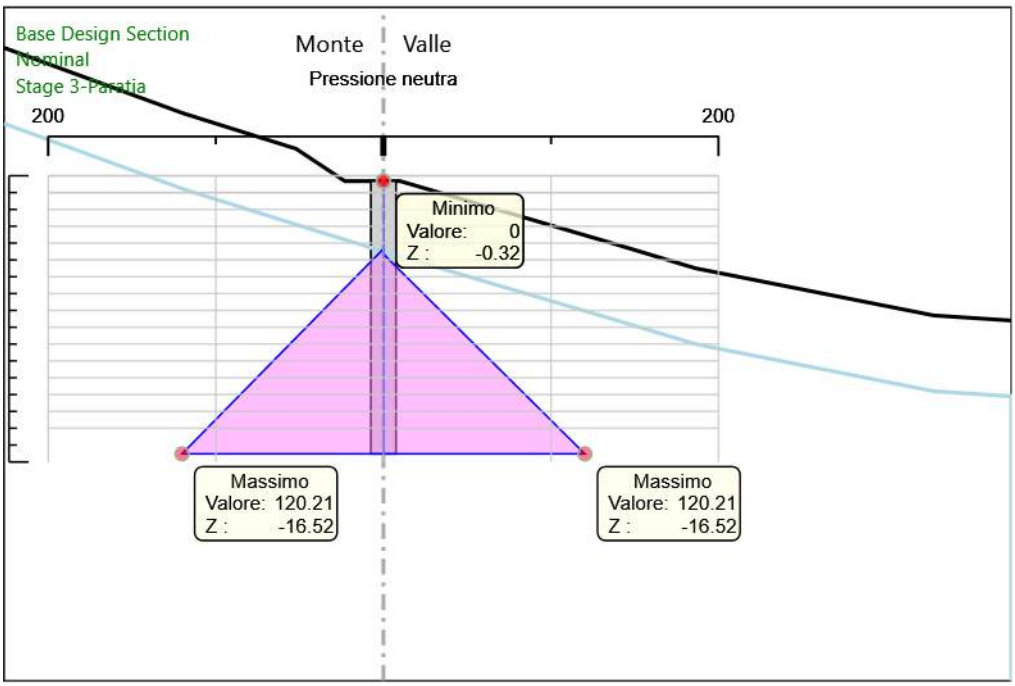
5.8. Grafico Risultati Terreno Pore



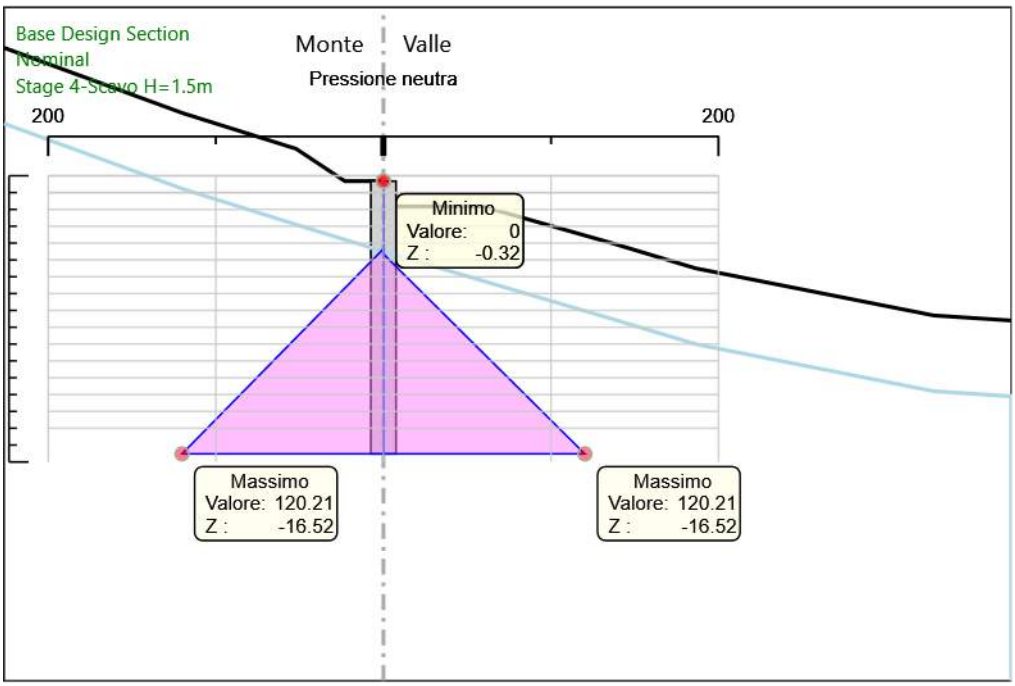
Design Assumption: Nominal
Stage: Stage 1
Pore



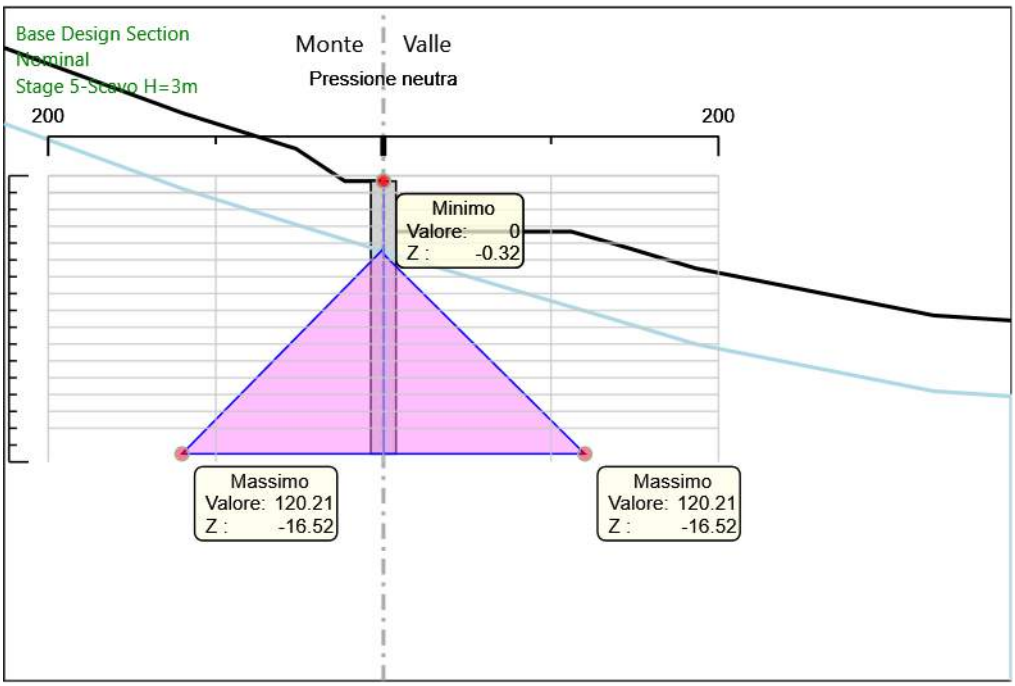
Design Assumption: Nominal
Stage: Stage 2-Prescavo
Pore



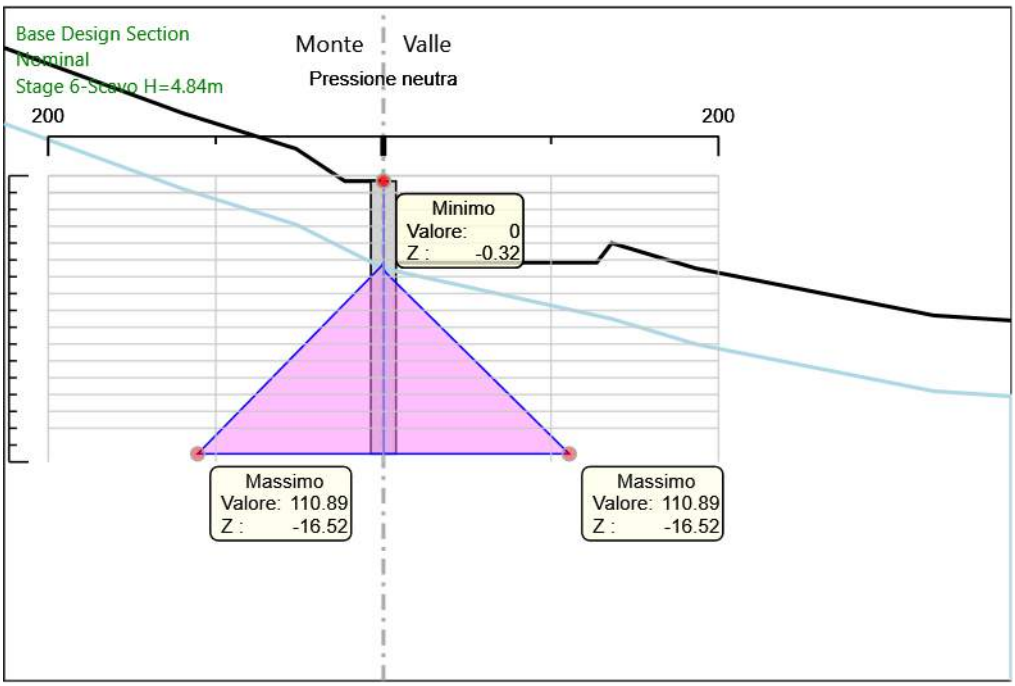
Design Assumption: Nominal
Stage: Stage 3-Paratia
Pore



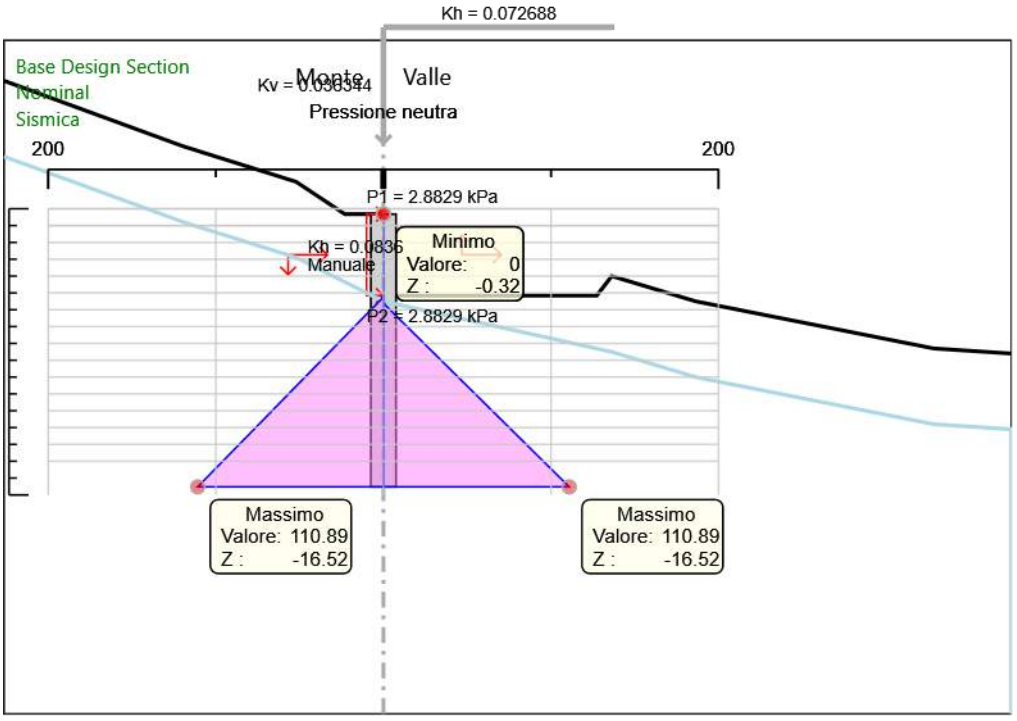
Design Assumption: Nominal
Stage: Stage 4-Scavo H=1.5m
Pore



Design Assumption: Nominal
Stage: Stage 5-Scavo H=3m
Pore

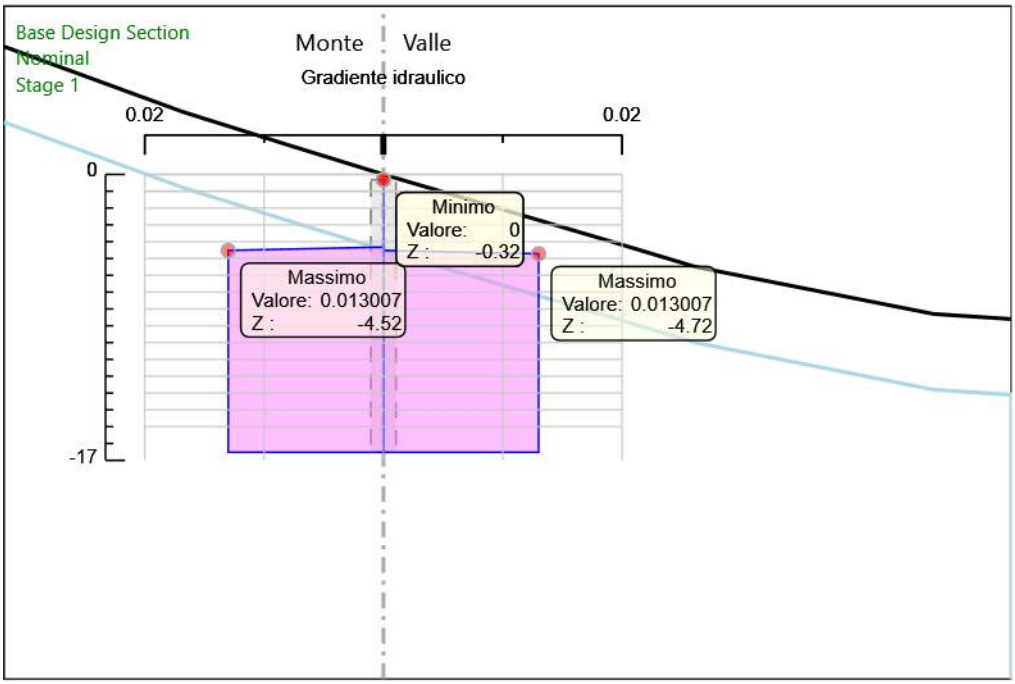


Design Assumption: Nominal
Stage: Stage 6-Scavo H=4.84m
Pore

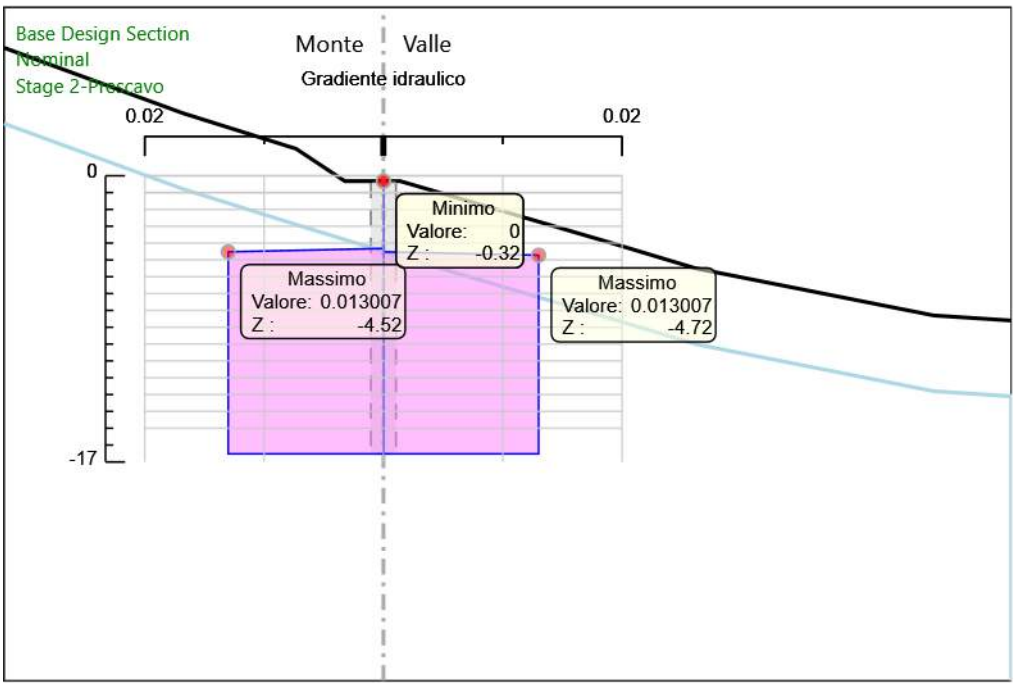


Design Assumption: Nominal
Stage: Sismica
Pore

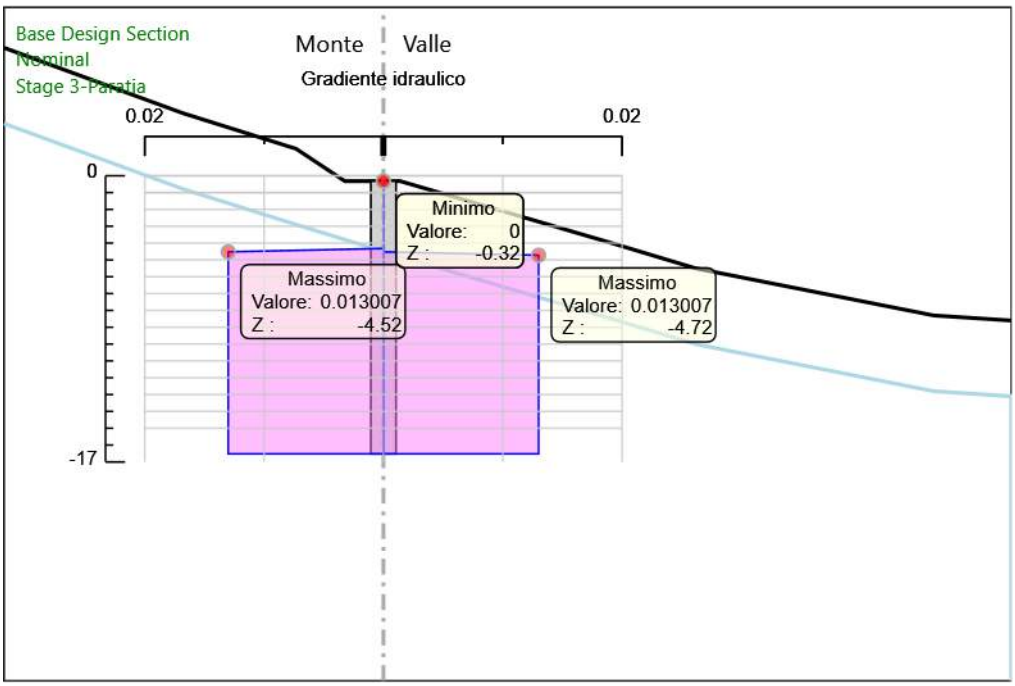
5.9. Grafico Risultati Terreno Gradiente



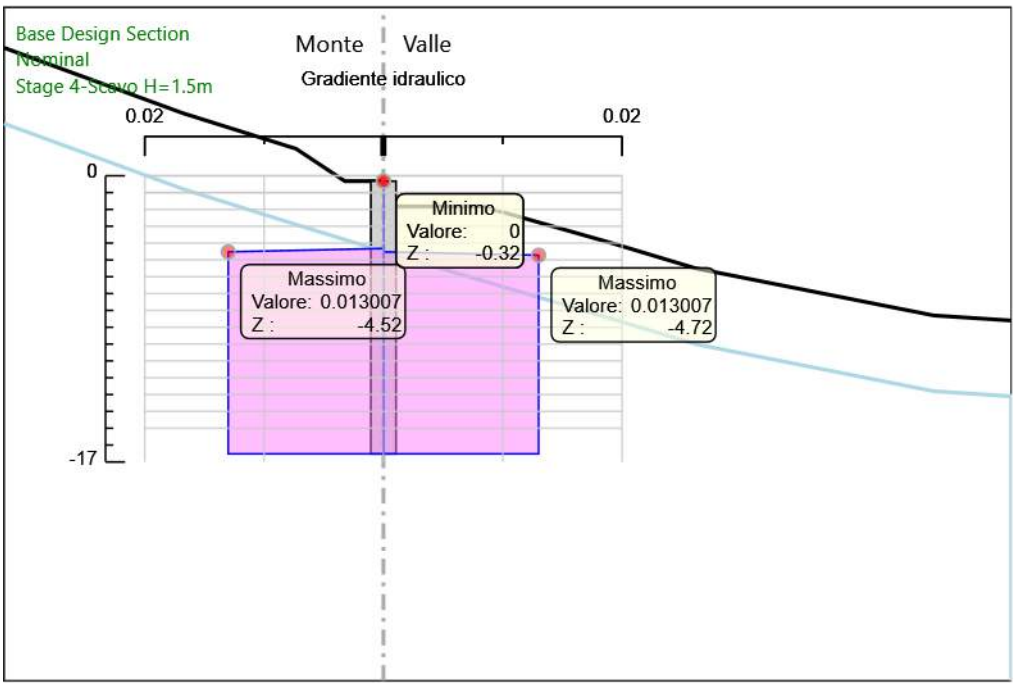
Design Assumption: Nominal
Stage: Stage 1
Gradiente



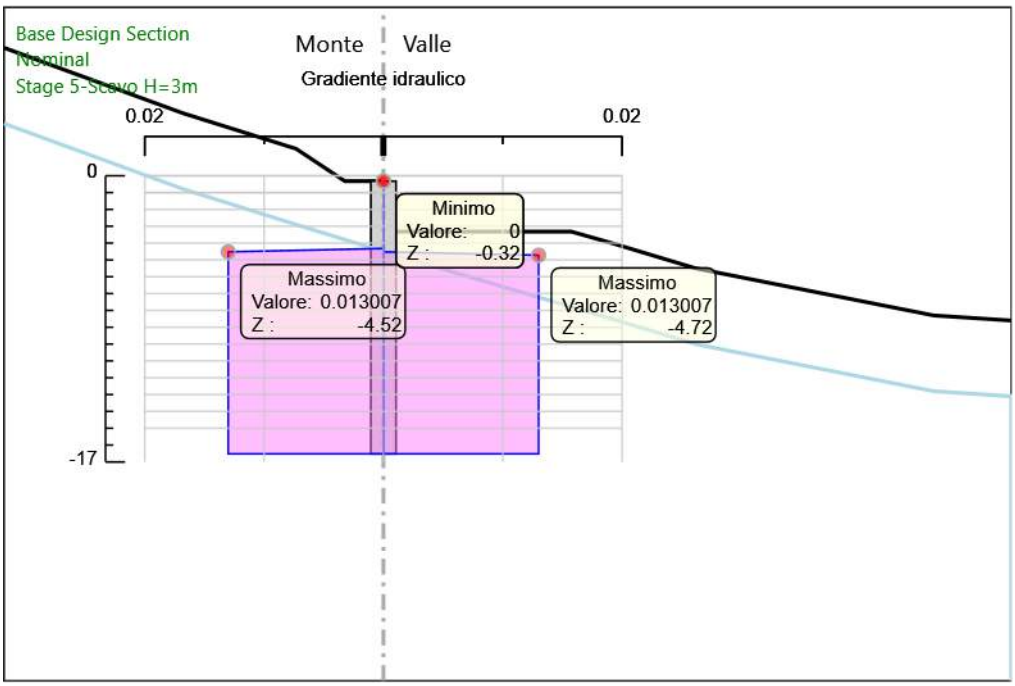
Design Assumption: Nominal
Stage: Stage 2-Prescavo
Gradiente



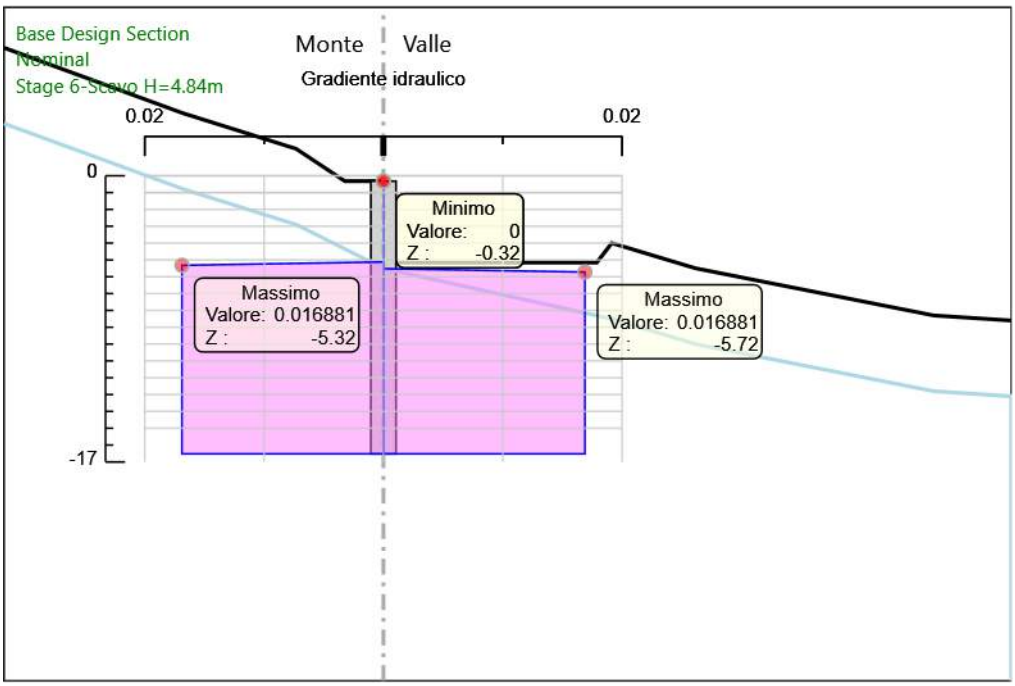
Design Assumption: Nominal
Stage: Stage 3-Paratia
Gradiente



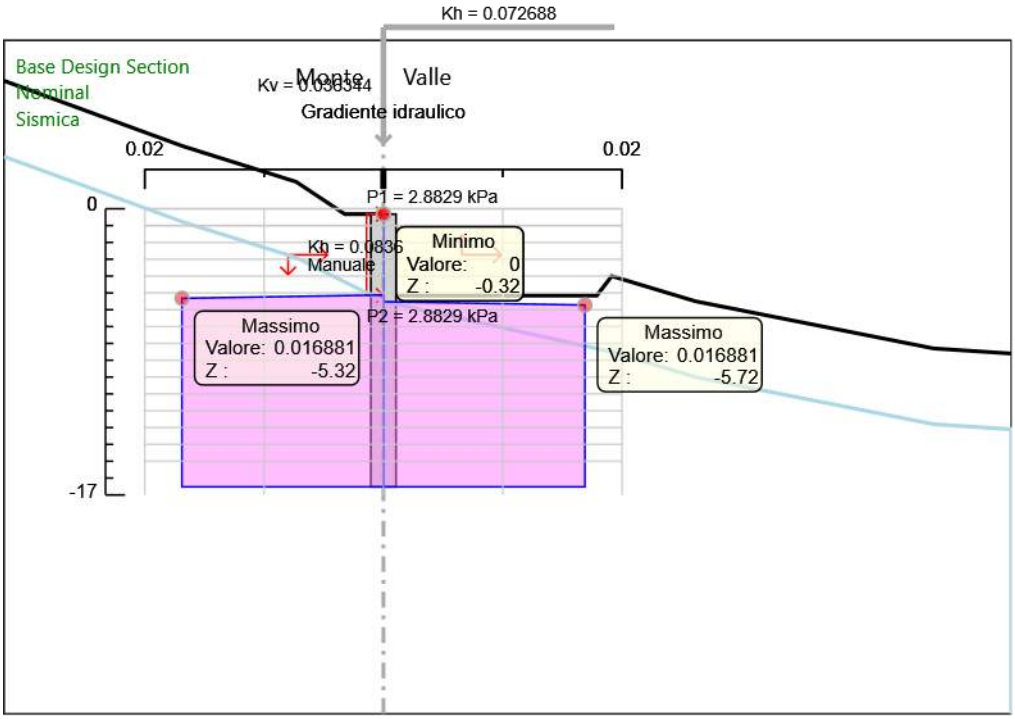
Design Assumption: Nominal
Stage: Stage 4-Scavo H=1.5m
Gradiente



Design Assumption: Nominal
Stage: Stage 5-Scavo H=3m
Gradiente

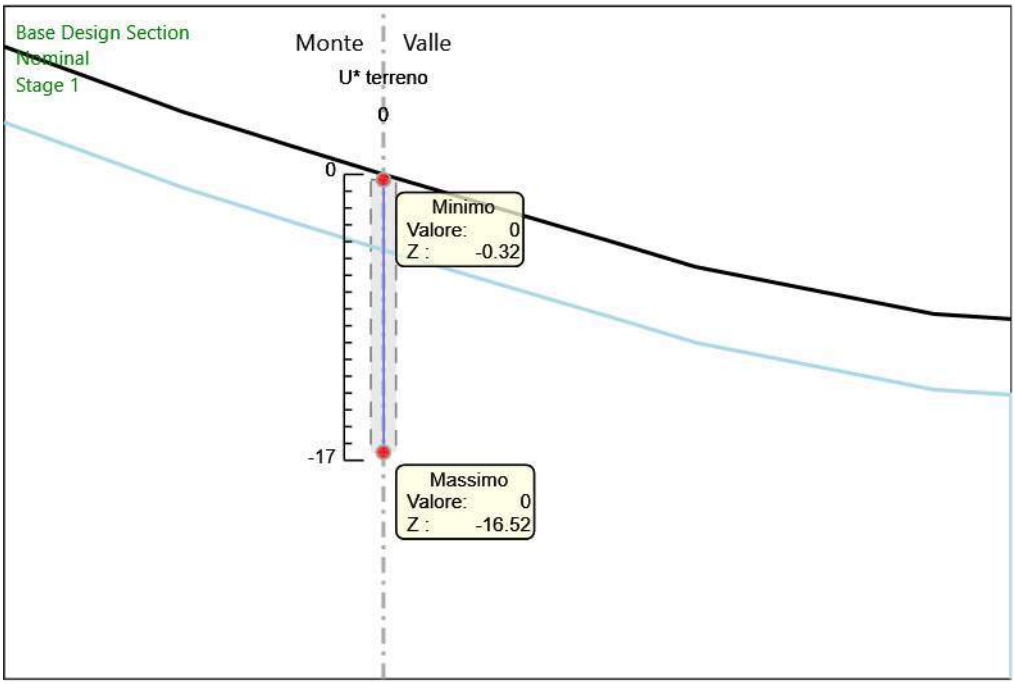


Design Assumption: Nominal
Stage: Stage 6-Scavo H=4.84m
Gradiente

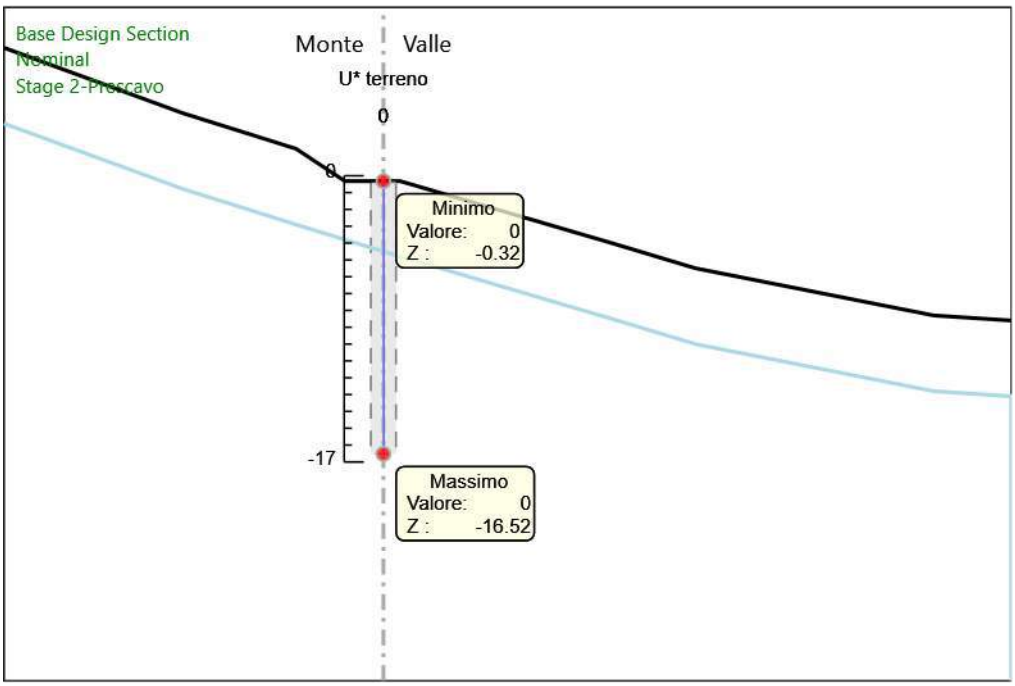


Design Assumption: Nominal
Stage: Sismica
Gradiente

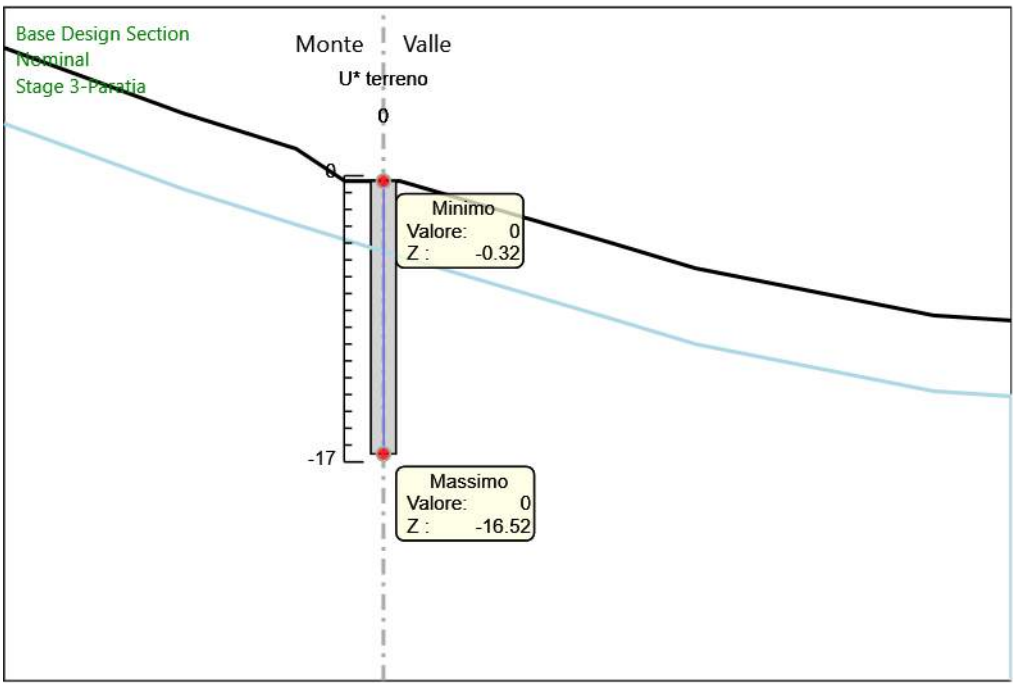
5.10. Grafico Risultati Terreno U*



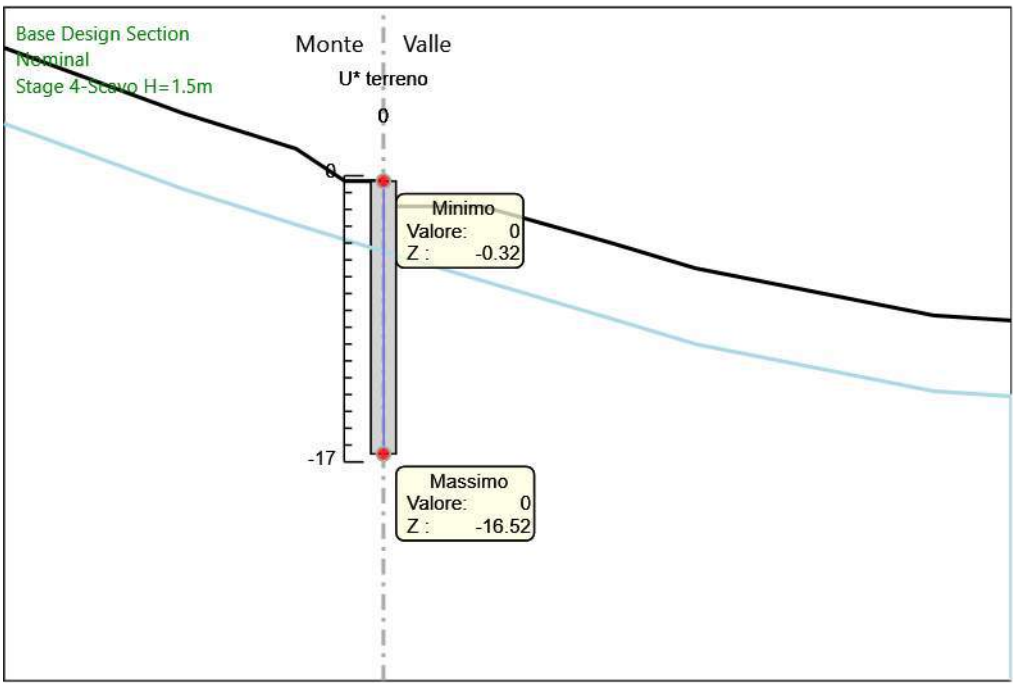
Design Assumption: Nominal
Stage: Stage 1
U*



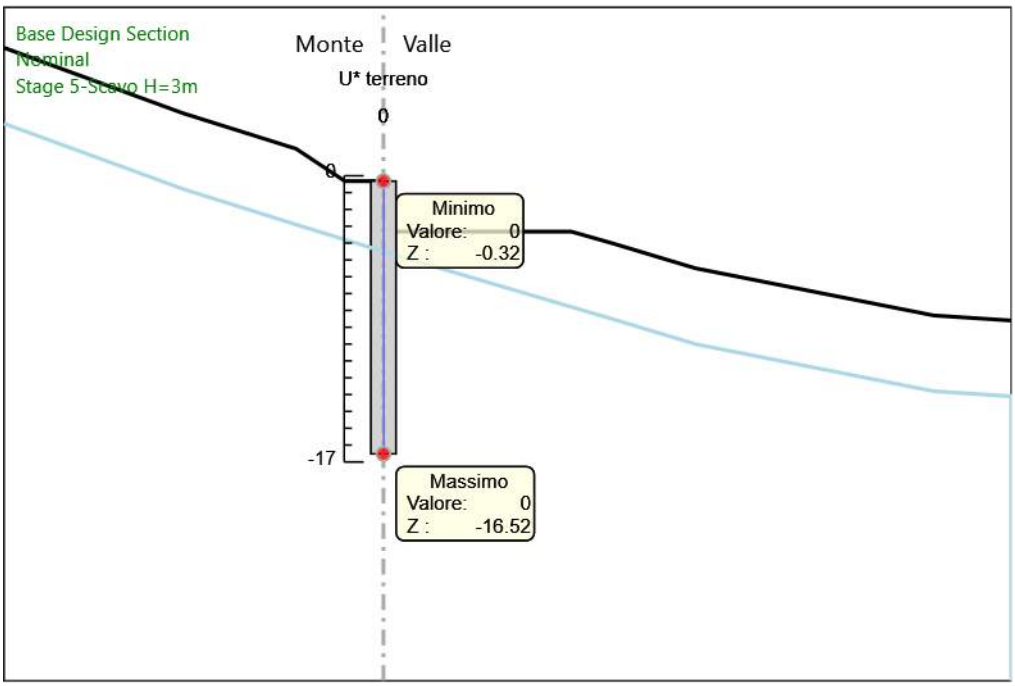
Design Assumption: Nominal
Stage: Stage 2-Prescavo
U*



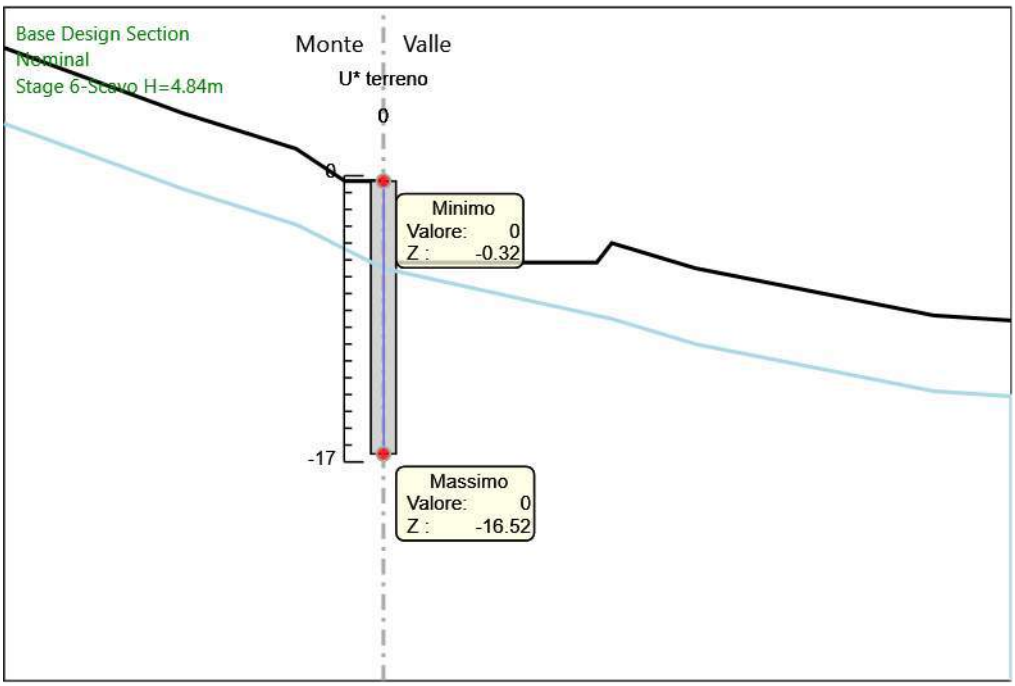
Design Assumption: Nominal
Stage: Stage 3-Paratia
U*



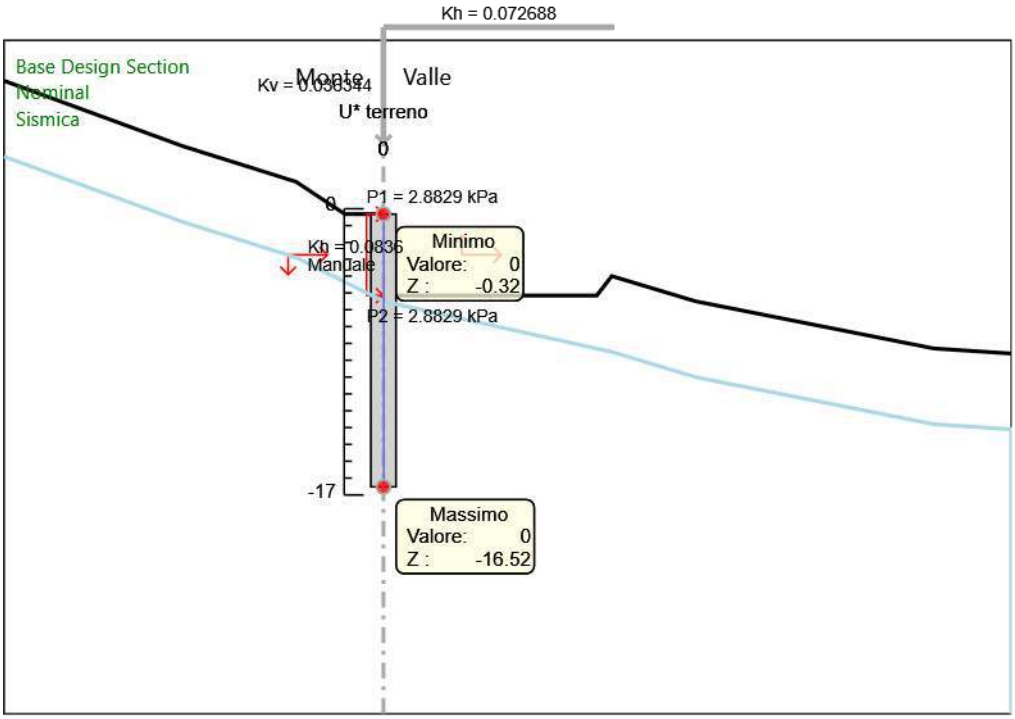
Design Assumption: Nominal
Stage: Stage 4-Scavo H=1.5m
U*



Design Assumption: Nominal
Stage: Stage 5-Scavo H=3m
U*



Design Assumption: Nominal
Stage: Stage 6-Scavo H=4.84m
U*



Design Assumption: Nominal
Stage: Sismica
U*

5.10. Riepilogo spinte

Design Assumption: Nominal	Tipo Risultato: Riepilogo spinte	Muro:	LEFT	Lato	LEFT		
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	924.1	732.1	1656.2	780	8563.1	10.79%	1.18
Stage 2-Prescavo	898.8	732.1	1630.9	692.9	8225.5	10.93%	1.3
Stage 3-Paratia	898.8	732.1	1630.9	692.9	8225.5	10.93%	1.3
Stage 4-Scavo H=1.5m	838.2	732.1	1570.3	692.9	8225.5	10.19%	1.21
Stage 5-Scavo H=3m	770.3	732.1	1502.4	692.9	8225.5	9.36%	1.11
Stage 6-Scavo H=4.84m	785.8	625.5	1411.3	744.9	8706	9.03%	1.05
Sismica	800.9	625.5	1426.3	744.9	8889.5	9.01%	1.08

Design Assumption: Nominal	Tipo Risultato: Riepilogo spinte	Muro:	LEFT	Lato	RIGHT		
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	942.9	713.3	1656.2	443.4	3494.9	26.98%	2.13
Stage 2-Prescavo	917.5	713.3	1630.9	435	3741.4	24.52%	2.11
Stage 3-Paratia	917.5	713.3	1630.9	435	3741.4	24.52%	2.11
Stage 4-Scavo H=1.5m	856.9	713.3	1570.3	334	3943.7	21.73%	2.57
Stage 5-Scavo H=3m	789.1	713.3	1502.4	193.7	3370.5	23.41%	4.07
Stage 6-Scavo H=4.84m	806.6	604.7	1411.3	102.2	2519.9	32.01%	7.89
Sismica	846.1	604.7	1450.8	100.1	2152.7	39.3%	8.45

6. 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
SISMICA STR	1	1	1	1	1	1	1	1	1	1	1	1	1
SISMICA GEO	1	1	1	1	1	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
SISMICA STR	1	1	1	1	1
SISMICA GEO	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
SISMICA STR	1	1.2	1.1	1
SISMICA GEO	1	1.2	1.1	1

6.1. Risultati SLE (Rara/Frequente/Quasi Permanente)

6.1.1. 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 orizzontale (mm)
Stage 1	-0.32	0
Stage 1	-0.52	0
Stage 1	-0.72	0
Stage 1	-0.92	0
Stage 1	-1.12	0
Stage 1	-1.32	0
Stage 1	-1.52	0
Stage 1	-1.72	0
Stage 1	-1.92	0
Stage 1	-2.12	0
Stage 1	-2.32	0
Stage 1	-2.52	0
Stage 1	-2.72	0
Stage 1	-2.92	0
Stage 1	-3.12	0
Stage 1	-3.32	0
Stage 1	-3.52	0
Stage 1	-3.72	0
Stage 1	-3.92	0
Stage 1	-4.12	0
Stage 1	-4.32	0
Stage 1	-4.52	0.01
Stage 1	-4.72	0.02
Stage 1	-4.92	0.02
Stage 1	-5.12	0.02
Stage 1	-5.32	0.02
Stage 1	-5.52	0.02
Stage 1	-5.72	0.02
Stage 1	-5.92	0.02
Stage 1	-6.12	0.02
Stage 1	-6.32	0.02
Stage 1	-6.52	0.02
Stage 1	-6.72	0.02
Stage 1	-6.92	0.02
Stage 1	-7.12	0.01
Stage 1	-7.32	0.01
Stage 1	-7.52	0.01
Stage 1	-7.72	0.01
Stage 1	-7.92	0.01
Stage 1	-8.12	0.01
Stage 1	-8.32	0.01
Stage 1	-8.52	0.01
Stage 1	-8.72	0.01
Stage 1	-8.92	0.01
Stage 1	-9.12	0.01
Stage 1	-9.32	0.01
Stage 1	-9.52	0.01
Stage 1	-9.72	0.01
Stage 1	-9.92	0.01
Stage 1	-10.12	0.01
Stage 1	-10.32	0.01
Stage 1	-10.52	0.01
Stage 1	-10.72	0.01
Stage 1	-10.92	0.01
Stage 1	-11.12	0.01
Stage 1	-11.32	0.01
Stage 1	-11.52	0.01
Stage 1	-11.72	0.01
Stage 1	-11.92	0.01
Stage 1	-12.12	0.01
Stage 1	-12.32	0.01
Stage 1	-12.52	0.01
Stage 1	-12.72	0.01
Stage 1	-12.92	0.01

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 1	-13.12	0.01
Stage 1	-13.32	0.01
Stage 1	-13.52	0
Stage 1	-13.72	0
Stage 1	-13.92	0
Stage 1	-14.12	0
Stage 1	-14.32	0
Stage 1	-14.52	0
Stage 1	-14.72	0
Stage 1	-14.92	0
Stage 1	-15.12	0
Stage 1	-15.32	0
Stage 1	-15.52	0
Stage 1	-15.72	0
Stage 1	-15.92	0
Stage 1	-16.12	0
Stage 1	-16.32	0
Stage 1	-16.52	0

6.1.2. 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	-0.32	0	0
Stage 1	-0.52	0	0
Stage 1	-0.72	0	0
Stage 1	-0.92	0	0
Stage 1	-1.12	0	0
Stage 1	-1.32	0	0
Stage 1	-1.52	0	0
Stage 1	-1.72	0	0
Stage 1	-1.92	0	0
Stage 1	-2.12	0	0
Stage 1	-2.32	0	0
Stage 1	-2.52	0	0
Stage 1	-2.72	0	0
Stage 1	-2.92	0	0
Stage 1	-3.12	0	0
Stage 1	-3.32	0	0
Stage 1	-3.52	0	0
Stage 1	-3.72	0	0
Stage 1	-3.92	0	0
Stage 1	-4.12	0	0
Stage 1	-4.32	0	0
Stage 1	-4.52	0	0
Stage 1	-4.72	0	0
Stage 1	-4.92	0	0
Stage 1	-5.12	0	0
Stage 1	-5.32	0	0
Stage 1	-5.52	0	0
Stage 1	-5.72	0	0
Stage 1	-5.92	0	0
Stage 1	-6.12	0	0
Stage 1	-6.32	0	0
Stage 1	-6.52	0	0
Stage 1	-6.72	0	0
Stage 1	-6.92	0	0
Stage 1	-7.12	0	0
Stage 1	-7.32	0	0
Stage 1	-7.52	0	0
Stage 1	-7.72	0	0
Stage 1	-7.92	0	0
Stage 1	-8.12	0	0
Stage 1	-8.32	0	0
Stage 1	-8.52	0	0
Stage 1	-8.72	0	0
Stage 1	-8.92	0	0
Stage 1	-9.12	0	0
Stage 1	-9.32	0	0
Stage 1	-9.52	0	0
Stage 1	-9.72	0	0
Stage 1	-9.92	0	0
Stage 1	-10.12	0	0
Stage 1	-10.32	0	0
Stage 1	-10.52	0	0
Stage 1	-10.72	0	0
Stage 1	-10.92	0	0
Stage 1	-11.12	0	0
Stage 1	-11.32	0	0
Stage 1	-11.52	0	0
Stage 1	-11.72	0	0
Stage 1	-11.92	0	0
Stage 1	-12.12	0	0
Stage 1	-12.32	0	0
Stage 1	-12.52	0	0
Stage 1	-12.72	0	0
Stage 1	-12.92	0	0
Stage 1	-13.12	0	0

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	-13.32	0	0
Stage 1	-13.52	0	0
Stage 1	-13.72	0	0
Stage 1	-13.92	0	0
Stage 1	-14.12	0	0
Stage 1	-14.32	0	0
Stage 1	-14.52	0	0
Stage 1	-14.72	0	0
Stage 1	-14.92	0	0
Stage 1	-15.12	0	0
Stage 1	-15.32	0	0
Stage 1	-15.52	0	0
Stage 1	-15.72	0	0
Stage 1	-15.92	0	0
Stage 1	-16.12	0	0
Stage 1	-16.32	0	0
Stage 1	-16.52	0	0

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

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 2-Prescavo	-0.32	0
Stage 2-Prescavo	-0.52	0
Stage 2-Prescavo	-0.72	0
Stage 2-Prescavo	-0.92	0
Stage 2-Prescavo	-1.12	0
Stage 2-Prescavo	-1.32	0
Stage 2-Prescavo	-1.52	0
Stage 2-Prescavo	-1.72	0
Stage 2-Prescavo	-1.92	0
Stage 2-Prescavo	-2.12	0
Stage 2-Prescavo	-2.32	0
Stage 2-Prescavo	-2.52	0
Stage 2-Prescavo	-2.72	0
Stage 2-Prescavo	-2.92	0
Stage 2-Prescavo	-3.12	0
Stage 2-Prescavo	-3.32	0
Stage 2-Prescavo	-3.52	0
Stage 2-Prescavo	-3.72	0
Stage 2-Prescavo	-3.92	0
Stage 2-Prescavo	-4.12	0
Stage 2-Prescavo	-4.32	0
Stage 2-Prescavo	-4.52	0.01
Stage 2-Prescavo	-4.72	0.02
Stage 2-Prescavo	-4.92	0.02
Stage 2-Prescavo	-5.12	0.02
Stage 2-Prescavo	-5.32	0.02
Stage 2-Prescavo	-5.52	0.02
Stage 2-Prescavo	-5.72	0.02
Stage 2-Prescavo	-5.92	0.02
Stage 2-Prescavo	-6.12	0.02
Stage 2-Prescavo	-6.32	0.02
Stage 2-Prescavo	-6.52	0.02
Stage 2-Prescavo	-6.72	0.02
Stage 2-Prescavo	-6.92	0.02
Stage 2-Prescavo	-7.12	0.01
Stage 2-Prescavo	-7.32	0.01
Stage 2-Prescavo	-7.52	0.01
Stage 2-Prescavo	-7.72	0.01
Stage 2-Prescavo	-7.92	0.01
Stage 2-Prescavo	-8.12	0.01
Stage 2-Prescavo	-8.32	0.01
Stage 2-Prescavo	-8.52	0.01
Stage 2-Prescavo	-8.72	0.01
Stage 2-Prescavo	-8.92	0.01
Stage 2-Prescavo	-9.12	0.01
Stage 2-Prescavo	-9.32	0.01
Stage 2-Prescavo	-9.52	0.01
Stage 2-Prescavo	-9.72	0.01
Stage 2-Prescavo	-9.92	0.01
Stage 2-Prescavo	-10.12	0.01
Stage 2-Prescavo	-10.32	0.01
Stage 2-Prescavo	-10.52	0.01
Stage 2-Prescavo	-10.72	0.01
Stage 2-Prescavo	-10.92	0.01
Stage 2-Prescavo	-11.12	0.01
Stage 2-Prescavo	-11.32	0.01
Stage 2-Prescavo	-11.52	0.01
Stage 2-Prescavo	-11.72	0.01
Stage 2-Prescavo	-11.92	0.01
Stage 2-Prescavo	-12.12	0.01
Stage 2-Prescavo	-12.32	0.01
Stage 2-Prescavo	-12.52	0.01
Stage 2-Prescavo	-12.72	0.01
Stage 2-Prescavo	-12.92	0.01
Stage 2-Prescavo	-13.12	0.01

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 2-Prescavo	-13.32	0.01
Stage 2-Prescavo	-13.52	0
Stage 2-Prescavo	-13.72	0
Stage 2-Prescavo	-13.92	0
Stage 2-Prescavo	-14.12	0
Stage 2-Prescavo	-14.32	0
Stage 2-Prescavo	-14.52	0
Stage 2-Prescavo	-14.72	0
Stage 2-Prescavo	-14.92	0
Stage 2-Prescavo	-15.12	0
Stage 2-Prescavo	-15.32	0
Stage 2-Prescavo	-15.52	0
Stage 2-Prescavo	-15.72	0
Stage 2-Prescavo	-15.92	0
Stage 2-Prescavo	-16.12	0
Stage 2-Prescavo	-16.32	0
Stage 2-Prescavo	-16.52	0

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

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2-Prescavo	-0.32	0	0
Stage 2-Prescavo	-0.52	0	0
Stage 2-Prescavo	-0.72	0	0
Stage 2-Prescavo	-0.92	0	0
Stage 2-Prescavo	-1.12	0	0
Stage 2-Prescavo	-1.32	0	0
Stage 2-Prescavo	-1.52	0	0
Stage 2-Prescavo	-1.72	0	0
Stage 2-Prescavo	-1.92	0	0
Stage 2-Prescavo	-2.12	0	0
Stage 2-Prescavo	-2.32	0	0
Stage 2-Prescavo	-2.52	0	0
Stage 2-Prescavo	-2.72	0	0
Stage 2-Prescavo	-2.92	0	0
Stage 2-Prescavo	-3.12	0	0
Stage 2-Prescavo	-3.32	0	0
Stage 2-Prescavo	-3.52	0	0
Stage 2-Prescavo	-3.72	0	0
Stage 2-Prescavo	-3.92	0	0
Stage 2-Prescavo	-4.12	0	0
Stage 2-Prescavo	-4.32	0	0
Stage 2-Prescavo	-4.52	0	0
Stage 2-Prescavo	-4.72	0	0
Stage 2-Prescavo	-4.92	0	0
Stage 2-Prescavo	-5.12	0	0
Stage 2-Prescavo	-5.32	0	0
Stage 2-Prescavo	-5.52	0	0
Stage 2-Prescavo	-5.72	0	0
Stage 2-Prescavo	-5.92	0	0
Stage 2-Prescavo	-6.12	0	0
Stage 2-Prescavo	-6.32	0	0
Stage 2-Prescavo	-6.52	0	0
Stage 2-Prescavo	-6.72	0	0
Stage 2-Prescavo	-6.92	0	0
Stage 2-Prescavo	-7.12	0	0
Stage 2-Prescavo	-7.32	0	0
Stage 2-Prescavo	-7.52	0	0
Stage 2-Prescavo	-7.72	0	0
Stage 2-Prescavo	-7.92	0	0
Stage 2-Prescavo	-8.12	0	0
Stage 2-Prescavo	-8.32	0	0
Stage 2-Prescavo	-8.52	0	0
Stage 2-Prescavo	-8.72	0	0
Stage 2-Prescavo	-8.92	0	0
Stage 2-Prescavo	-9.12	0	0
Stage 2-Prescavo	-9.32	0	0
Stage 2-Prescavo	-9.52	0	0
Stage 2-Prescavo	-9.72	0	0
Stage 2-Prescavo	-9.92	0	0
Stage 2-Prescavo	-10.12	0	0
Stage 2-Prescavo	-10.32	0	0
Stage 2-Prescavo	-10.52	0	0
Stage 2-Prescavo	-10.72	0	0
Stage 2-Prescavo	-10.92	0	0
Stage 2-Prescavo	-11.12	0	0
Stage 2-Prescavo	-11.32	0	0
Stage 2-Prescavo	-11.52	0	0
Stage 2-Prescavo	-11.72	0	0
Stage 2-Prescavo	-11.92	0	0
Stage 2-Prescavo	-12.12	0	0
Stage 2-Prescavo	-12.32	0	0
Stage 2-Prescavo	-12.52	0	0
Stage 2-Prescavo	-12.72	0	0
Stage 2-Prescavo	-12.92	0	0
Stage 2-Prescavo	-13.12	0	0

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2-Prescavo	-13.32	0	0
Stage 2-Prescavo	-13.52	0	0
Stage 2-Prescavo	-13.72	0	0
Stage 2-Prescavo	-13.92	0	0
Stage 2-Prescavo	-14.12	0	0
Stage 2-Prescavo	-14.32	0	0
Stage 2-Prescavo	-14.52	0	0
Stage 2-Prescavo	-14.72	0	0
Stage 2-Prescavo	-14.92	0	0
Stage 2-Prescavo	-15.12	0	0
Stage 2-Prescavo	-15.32	0	0
Stage 2-Prescavo	-15.52	0	0
Stage 2-Prescavo	-15.72	0	0
Stage 2-Prescavo	-15.92	0	0
Stage 2-Prescavo	-16.12	0	0
Stage 2-Prescavo	-16.32	0	0
Stage 2-Prescavo	-16.52	0	0

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

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 3-Paratia	-0.32	0
Stage 3-Paratia	-0.52	0
Stage 3-Paratia	-0.72	0
Stage 3-Paratia	-0.92	0
Stage 3-Paratia	-1.12	0
Stage 3-Paratia	-1.32	0
Stage 3-Paratia	-1.52	0
Stage 3-Paratia	-1.72	0
Stage 3-Paratia	-1.92	0
Stage 3-Paratia	-2.12	0
Stage 3-Paratia	-2.32	0
Stage 3-Paratia	-2.52	0
Stage 3-Paratia	-2.72	0
Stage 3-Paratia	-2.92	0
Stage 3-Paratia	-3.12	0
Stage 3-Paratia	-3.32	0
Stage 3-Paratia	-3.52	0
Stage 3-Paratia	-3.72	0
Stage 3-Paratia	-3.92	0
Stage 3-Paratia	-4.12	0
Stage 3-Paratia	-4.32	0
Stage 3-Paratia	-4.52	0.01
Stage 3-Paratia	-4.72	0.02
Stage 3-Paratia	-4.92	0.02
Stage 3-Paratia	-5.12	0.02
Stage 3-Paratia	-5.32	0.02
Stage 3-Paratia	-5.52	0.02
Stage 3-Paratia	-5.72	0.02
Stage 3-Paratia	-5.92	0.02
Stage 3-Paratia	-6.12	0.02
Stage 3-Paratia	-6.32	0.02
Stage 3-Paratia	-6.52	0.02
Stage 3-Paratia	-6.72	0.02
Stage 3-Paratia	-6.92	0.02
Stage 3-Paratia	-7.12	0.01
Stage 3-Paratia	-7.32	0.01
Stage 3-Paratia	-7.52	0.01
Stage 3-Paratia	-7.72	0.01
Stage 3-Paratia	-7.92	0.01
Stage 3-Paratia	-8.12	0.01
Stage 3-Paratia	-8.32	0.01
Stage 3-Paratia	-8.52	0.01
Stage 3-Paratia	-8.72	0.01
Stage 3-Paratia	-8.92	0.01
Stage 3-Paratia	-9.12	0.01
Stage 3-Paratia	-9.32	0.01
Stage 3-Paratia	-9.52	0.01
Stage 3-Paratia	-9.72	0.01
Stage 3-Paratia	-9.92	0.01
Stage 3-Paratia	-10.12	0.01
Stage 3-Paratia	-10.32	0.01
Stage 3-Paratia	-10.52	0.01
Stage 3-Paratia	-10.72	0.01
Stage 3-Paratia	-10.92	0.01
Stage 3-Paratia	-11.12	0.01
Stage 3-Paratia	-11.32	0.01
Stage 3-Paratia	-11.52	0.01
Stage 3-Paratia	-11.72	0.01
Stage 3-Paratia	-11.92	0.01
Stage 3-Paratia	-12.12	0.01
Stage 3-Paratia	-12.32	0.01
Stage 3-Paratia	-12.52	0.01
Stage 3-Paratia	-12.72	0.01
Stage 3-Paratia	-12.92	0.01
Stage 3-Paratia	-13.12	0.01

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 3-Paratia	-13.32	0.01
Stage 3-Paratia	-13.52	0
Stage 3-Paratia	-13.72	0
Stage 3-Paratia	-13.92	0
Stage 3-Paratia	-14.12	0
Stage 3-Paratia	-14.32	0
Stage 3-Paratia	-14.52	0
Stage 3-Paratia	-14.72	0
Stage 3-Paratia	-14.92	0
Stage 3-Paratia	-15.12	0
Stage 3-Paratia	-15.32	0
Stage 3-Paratia	-15.52	0
Stage 3-Paratia	-15.72	0
Stage 3-Paratia	-15.92	0
Stage 3-Paratia	-16.12	0
Stage 3-Paratia	-16.32	0
Stage 3-Paratia	-16.52	0

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

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-0.32	0	0
Stage 3-Paratia	-0.52	0	0
Stage 3-Paratia	-0.52	0	0
Stage 3-Paratia	-0.72	0	0
Stage 3-Paratia	-0.92	0	0
Stage 3-Paratia	-1.12	0	0
Stage 3-Paratia	-1.32	0	0
Stage 3-Paratia	-1.52	0	0
Stage 3-Paratia	-1.72	0	0
Stage 3-Paratia	-1.92	0	0
Stage 3-Paratia	-2.12	0	0
Stage 3-Paratia	-2.32	0	0
Stage 3-Paratia	-2.52	0	0
Stage 3-Paratia	-2.72	0	0
Stage 3-Paratia	-2.92	0	0
Stage 3-Paratia	-3.12	0	0
Stage 3-Paratia	-3.32	0	0
Stage 3-Paratia	-3.52	0	0
Stage 3-Paratia	-3.72	0	0
Stage 3-Paratia	-3.92	0	0
Stage 3-Paratia	-4.12	0	0
Stage 3-Paratia	-4.32	0	0
Stage 3-Paratia	-4.32	0	0
Stage 3-Paratia	-4.52	0	0
Stage 3-Paratia	-4.52	0	0
Stage 3-Paratia	-4.72	0	0
Stage 3-Paratia	-4.72	0	0
Stage 3-Paratia	-4.92	0	0
Stage 3-Paratia	-4.92	0	0
Stage 3-Paratia	-5.12	0	0
Stage 3-Paratia	-5.12	0	0
Stage 3-Paratia	-5.32	0	0
Stage 3-Paratia	-5.32	0	0
Stage 3-Paratia	-5.52	0	0
Stage 3-Paratia	-5.52	0	0
Stage 3-Paratia	-5.72	0	0
Stage 3-Paratia	-5.72	0	0
Stage 3-Paratia	-5.92	0	0
Stage 3-Paratia	-5.92	0	0
Stage 3-Paratia	-6.12	0	0
Stage 3-Paratia	-6.12	0	0
Stage 3-Paratia	-6.32	0	0
Stage 3-Paratia	-6.32	0	0
Stage 3-Paratia	-6.52	0	0
Stage 3-Paratia	-6.52	0	0
Stage 3-Paratia	-6.72	0	0
Stage 3-Paratia	-6.72	0	0
Stage 3-Paratia	-6.92	0	0
Stage 3-Paratia	-6.92	0	0
Stage 3-Paratia	-7.12	0	0
Stage 3-Paratia	-7.12	0	0
Stage 3-Paratia	-7.32	0	0
Stage 3-Paratia	-7.32	0	0
Stage 3-Paratia	-7.52	0	0
Stage 3-Paratia	-7.52	0	0
Stage 3-Paratia	-7.72	0	0
Stage 3-Paratia	-7.72	0	0
Stage 3-Paratia	-7.92	0	0
Stage 3-Paratia	-7.92	0	0
Stage 3-Paratia	-8.12	0	0
Stage 3-Paratia	-8.12	0	0
Stage 3-Paratia	-8.32	0	0
Stage 3-Paratia	-8.32	0	0
Stage 3-Paratia	-8.52	0	0
Stage 3-Paratia	-8.52	0	0

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-8.72	0	0
Stage 3-Paratia	-8.72	0	0
Stage 3-Paratia	-8.92	0	0
Stage 3-Paratia	-8.92	0	0
Stage 3-Paratia	-9.12	0	0
Stage 3-Paratia	-9.12	0	0
Stage 3-Paratia	-9.32	0	0
Stage 3-Paratia	-9.32	0	0
Stage 3-Paratia	-9.52	0	0
Stage 3-Paratia	-9.52	0	0
Stage 3-Paratia	-9.72	0	0
Stage 3-Paratia	-9.72	0	0
Stage 3-Paratia	-9.92	0	0
Stage 3-Paratia	-9.92	0	0
Stage 3-Paratia	-10.12	0	0
Stage 3-Paratia	-10.12	0	0
Stage 3-Paratia	-10.32	0	0
Stage 3-Paratia	-10.32	0	0
Stage 3-Paratia	-10.52	0	0
Stage 3-Paratia	-10.52	0	0
Stage 3-Paratia	-10.72	0	0
Stage 3-Paratia	-10.72	0	0
Stage 3-Paratia	-10.92	0	0
Stage 3-Paratia	-10.92	0	0
Stage 3-Paratia	-11.12	0	0
Stage 3-Paratia	-11.12	0	0
Stage 3-Paratia	-11.32	0	0
Stage 3-Paratia	-11.32	0	0
Stage 3-Paratia	-11.52	0	0
Stage 3-Paratia	-11.52	0	0
Stage 3-Paratia	-11.72	0	0
Stage 3-Paratia	-11.72	0	0
Stage 3-Paratia	-11.92	0	0
Stage 3-Paratia	-11.92	0	0
Stage 3-Paratia	-12.12	0	0
Stage 3-Paratia	-12.12	0	0
Stage 3-Paratia	-12.32	0	0
Stage 3-Paratia	-12.32	0	0
Stage 3-Paratia	-12.52	0	0
Stage 3-Paratia	-12.52	0	0
Stage 3-Paratia	-12.72	0	0
Stage 3-Paratia	-12.72	0	0
Stage 3-Paratia	-12.92	0	0
Stage 3-Paratia	-12.92	0	0
Stage 3-Paratia	-13.12	0	0
Stage 3-Paratia	-13.12	0	0
Stage 3-Paratia	-13.32	0	0
Stage 3-Paratia	-13.32	0	0
Stage 3-Paratia	-13.52	0	0
Stage 3-Paratia	-13.52	0	0
Stage 3-Paratia	-13.72	0	0
Stage 3-Paratia	-13.72	0	0
Stage 3-Paratia	-13.92	0	0
Stage 3-Paratia	-13.92	0	0
Stage 3-Paratia	-14.12	0	0
Stage 3-Paratia	-14.12	0	0
Stage 3-Paratia	-14.32	0	0
Stage 3-Paratia	-14.32	0	0
Stage 3-Paratia	-14.52	0	0
Stage 3-Paratia	-14.52	0	0
Stage 3-Paratia	-14.72	0	0
Stage 3-Paratia	-14.72	0	0
Stage 3-Paratia	-14.92	0	0
Stage 3-Paratia	-14.92	0	0
Stage 3-Paratia	-15.12	0	0
Stage 3-Paratia	-15.12	0	0
Stage 3-Paratia	-15.32	0	0
Stage 3-Paratia	-15.32	0	0
Stage 3-Paratia	-15.52	0	0
Stage 3-Paratia	-15.52	0	0
Stage 3-Paratia	-15.72	0	0

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-15.72	0	0
Stage 3-Paratia	-15.92	0	0
Stage 3-Paratia	-15.92	0	0
Stage 3-Paratia	-16.12	0	0
Stage 3-Paratia	-16.12	0	0
Stage 3-Paratia	-16.32	0	0
Stage 3-Paratia	-16.32	0	0
Stage 3-Paratia	-16.52	0	0

6.1.7. Tabella Spostamento SLE (Rara/Frequente/Quasi Permanente) - LEFT Stage: Stage 4-Scavo H=1.5m

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 4-Scavo H=1.5m	-0.32	0.34
Stage 4-Scavo H=1.5m	-0.52	0.33
Stage 4-Scavo H=1.5m	-0.72	0.32
Stage 4-Scavo H=1.5m	-0.92	0.31
Stage 4-Scavo H=1.5m	-1.12	0.3
Stage 4-Scavo H=1.5m	-1.32	0.29
Stage 4-Scavo H=1.5m	-1.52	0.28
Stage 4-Scavo H=1.5m	-1.72	0.27
Stage 4-Scavo H=1.5m	-1.92	0.27
Stage 4-Scavo H=1.5m	-2.12	0.26
Stage 4-Scavo H=1.5m	-2.32	0.25
Stage 4-Scavo H=1.5m	-2.52	0.24
Stage 4-Scavo H=1.5m	-2.72	0.23
Stage 4-Scavo H=1.5m	-2.92	0.22
Stage 4-Scavo H=1.5m	-3.12	0.21
Stage 4-Scavo H=1.5m	-3.32	0.2
Stage 4-Scavo H=1.5m	-3.52	0.19
Stage 4-Scavo H=1.5m	-3.72	0.18
Stage 4-Scavo H=1.5m	-3.92	0.18
Stage 4-Scavo H=1.5m	-4.12	0.17
Stage 4-Scavo H=1.5m	-4.32	0.16
Stage 4-Scavo H=1.5m	-4.52	0.16
Stage 4-Scavo H=1.5m	-4.72	0.16
Stage 4-Scavo H=1.5m	-4.92	0.16
Stage 4-Scavo H=1.5m	-5.12	0.15
Stage 4-Scavo H=1.5m	-5.32	0.14
Stage 4-Scavo H=1.5m	-5.52	0.14
Stage 4-Scavo H=1.5m	-5.72	0.13
Stage 4-Scavo H=1.5m	-5.92	0.13
Stage 4-Scavo H=1.5m	-6.12	0.12
Stage 4-Scavo H=1.5m	-6.32	0.11
Stage 4-Scavo H=1.5m	-6.52	0.11
Stage 4-Scavo H=1.5m	-6.72	0.11
Stage 4-Scavo H=1.5m	-6.92	0.1
Stage 4-Scavo H=1.5m	-7.12	0.1
Stage 4-Scavo H=1.5m	-7.32	0.09
Stage 4-Scavo H=1.5m	-7.52	0.09
Stage 4-Scavo H=1.5m	-7.72	0.09
Stage 4-Scavo H=1.5m	-7.92	0.08
Stage 4-Scavo H=1.5m	-8.12	0.08
Stage 4-Scavo H=1.5m	-8.32	0.08
Stage 4-Scavo H=1.5m	-8.52	0.08
Stage 4-Scavo H=1.5m	-8.72	0.07
Stage 4-Scavo H=1.5m	-8.92	0.07
Stage 4-Scavo H=1.5m	-9.12	0.07
Stage 4-Scavo H=1.5m	-9.32	0.07
Stage 4-Scavo H=1.5m	-9.52	0.06
Stage 4-Scavo H=1.5m	-9.72	0.06
Stage 4-Scavo H=1.5m	-9.92	0.06
Stage 4-Scavo H=1.5m	-10.12	0.06
Stage 4-Scavo H=1.5m	-10.32	0.06
Stage 4-Scavo H=1.5m	-10.52	0.06
Stage 4-Scavo H=1.5m	-10.72	0.05
Stage 4-Scavo H=1.5m	-10.92	0.05
Stage 4-Scavo H=1.5m	-11.12	0.05
Stage 4-Scavo H=1.5m	-11.32	0.05
Stage 4-Scavo H=1.5m	-11.52	0.05
Stage 4-Scavo H=1.5m	-11.72	0.05
Stage 4-Scavo H=1.5m	-11.92	0.04
Stage 4-Scavo H=1.5m	-12.12	0.04
Stage 4-Scavo H=1.5m	-12.32	0.04
Stage 4-Scavo H=1.5m	-12.52	0.04
Stage 4-Scavo H=1.5m	-12.72	0.04
Stage 4-Scavo H=1.5m	-12.92	0.03
Stage 4-Scavo H=1.5m	-13.12	0.03

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 4-Scavo H=1.5m	-13.32	0.03
Stage 4-Scavo H=1.5m	-13.52	0.03
Stage 4-Scavo H=1.5m	-13.72	0.03
Stage 4-Scavo H=1.5m	-13.92	0.02
Stage 4-Scavo H=1.5m	-14.12	0.02
Stage 4-Scavo H=1.5m	-14.32	0.02
Stage 4-Scavo H=1.5m	-14.52	0.02
Stage 4-Scavo H=1.5m	-14.72	0.02
Stage 4-Scavo H=1.5m	-14.92	0.01
Stage 4-Scavo H=1.5m	-15.12	0.01
Stage 4-Scavo H=1.5m	-15.32	0.01
Stage 4-Scavo H=1.5m	-15.52	0.01
Stage 4-Scavo H=1.5m	-15.72	0.01
Stage 4-Scavo H=1.5m	-15.92	0.01
Stage 4-Scavo H=1.5m	-16.12	0.01
Stage 4-Scavo H=1.5m	-16.32	0
Stage 4-Scavo H=1.5m	-16.52	0

6.1.8. Tabella Risultati Paratia SLE (Rara/Frequente/Quasi Permanente) - Left Wall - Stage: Stage 4-Scavo H=1.5m

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=1.5m	-0.32	0	0
Stage 4-Scavo H=1.5m	-0.52	0	0
Stage 4-Scavo H=1.5m	-0.52	0	0
Stage 4-Scavo H=1.5m	-0.72	-0.08	-0.39
Stage 4-Scavo H=1.5m	-0.92	-0.31	-1.16
Stage 4-Scavo H=1.5m	-1.12	-0.77	-2.32
Stage 4-Scavo H=1.5m	-1.32	-1.55	-3.87
Stage 4-Scavo H=1.5m	-1.52	-2.71	-5.8
Stage 4-Scavo H=1.5m	-1.72	-4.33	-8.12
Stage 4-Scavo H=1.5m	-1.92	-6.5	-10.83
Stage 4-Scavo H=1.5m	-2.12	-9.11	-13.07
Stage 4-Scavo H=1.5m	-2.32	-11.91	-14
Stage 4-Scavo H=1.5m	-2.52	-14.64	-13.61
Stage 4-Scavo H=1.5m	-2.72	-17.21	-12.88
Stage 4-Scavo H=1.5m	-2.92	-19.64	-12.16
Stage 4-Scavo H=1.5m	-3.12	-21.94	-11.48
Stage 4-Scavo H=1.5m	-3.32	-24.1	-10.82
Stage 4-Scavo H=1.5m	-3.52	-26.14	-10.2
Stage 4-Scavo H=1.5m	-3.72	-28.06	-9.6
Stage 4-Scavo H=1.5m	-3.92	-29.87	-9.04
Stage 4-Scavo H=1.5m	-4.12	-31.58	-8.52
Stage 4-Scavo H=1.5m	-4.32	-33.18	-8.02
Stage 4-Scavo H=1.5m	-4.52	-34.7	-7.58
Stage 4-Scavo H=1.5m	-4.72	-35.82	-5.62
Stage 4-Scavo H=1.5m	-4.92	-36.58	-3.81
Stage 4-Scavo H=1.5m	-5.12	-37.02	-2.16
Stage 4-Scavo H=1.5m	-5.32	-37.15	-0.66
Stage 4-Scavo H=1.5m	-5.52	-37.01	0.7
Stage 4-Scavo H=1.5m	-5.72	-36.62	1.92
Stage 4-Scavo H=1.5m	-5.92	-36.02	3.02
Stage 4-Scavo H=1.5m	-6.12	-35.22	3.99
Stage 4-Scavo H=1.5m	-6.32	-34.25	4.85
Stage 4-Scavo H=1.5m	-6.52	-33.13	5.6
Stage 4-Scavo H=1.5m	-6.72	-31.89	6.24
Stage 4-Scavo H=1.5m	-6.92	-30.53	6.79
Stage 4-Scavo H=1.5m	-7.12	-29.08	7.26
Stage 4-Scavo H=1.5m	-7.32	-27.55	7.64
Stage 4-Scavo H=1.5m	-7.52	-25.96	7.94
Stage 4-Scavo H=1.5m	-7.72	-24.33	8.17
Stage 4-Scavo H=1.5m	-7.92	-22.66	8.33
Stage 4-Scavo H=1.5m	-8.12	-20.98	8.42
Stage 4-Scavo H=1.5m	-8.32	-19.29	8.46
Stage 4-Scavo H=1.5m	-8.52	-17.6	8.44
Stage 4-Scavo H=1.5m	-8.72	-15.92	8.38
Stage 4-Scavo H=1.5m	-8.92	-14.27	8.26
Stage 4-Scavo H=1.5m	-9.12	-12.65	8.1
Stage 4-Scavo H=1.5m	-9.32	-11.07	7.89
Stage 4-Scavo H=1.5m	-9.52	-9.54	7.65
Stage 4-Scavo H=1.5m	-9.72	-8.07	7.37
Stage 4-Scavo H=1.5m	-9.92	-6.66	7.05
Stage 4-Scavo H=1.5m	-10.12	-5.32	6.7
Stage 4-Scavo H=1.5m	-10.32	-4.05	6.32
Stage 4-Scavo H=1.5m	-10.52	-2.87	5.9
Stage 4-Scavo H=1.5m	-10.72	-1.78	5.45
Stage 4-Scavo H=1.5m	-10.92	-0.79	4.97
Stage 4-Scavo H=1.5m	-11.12	0.11	4.46
Stage 4-Scavo H=1.5m	-11.32	0.89	3.92
Stage 4-Scavo H=1.5m	-11.52	1.56	3.35
Stage 4-Scavo H=1.5m	-11.72	2.11	2.75
Stage 4-Scavo H=1.5m	-11.92	2.53	2.12
Stage 4-Scavo H=1.5m	-12.12	2.82	1.45
Stage 4-Scavo H=1.5m	-12.32	2.97	0.75
Stage 4-Scavo H=1.5m	-12.52	2.98	0.02
Stage 4-Scavo H=1.5m	-12.72	2.83	-0.74
Stage 4-Scavo H=1.5m	-12.92	2.53	-1.54

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=1.5m	-13.12	2.05	-2.37
Stage 4-Scavo H=1.5m	-13.32	1.4	-3.23
Stage 4-Scavo H=1.5m	-13.52	0.58	-4.14
Stage 4-Scavo H=1.5m	-13.72	-0.44	-5.07
Stage 4-Scavo H=1.5m	-13.92	-1.65	-6.05
Stage 4-Scavo H=1.5m	-14.12	-2.48	-4.16
Stage 4-Scavo H=1.5m	-14.32	-2.98	-2.51
Stage 4-Scavo H=1.5m	-14.52	-3.2	-1.11
Stage 4-Scavo H=1.5m	-14.72	-3.19	0.06
Stage 4-Scavo H=1.5m	-14.92	-2.99	1
Stage 4-Scavo H=1.5m	-15.12	-2.65	1.71
Stage 4-Scavo H=1.5m	-15.32	-2.21	2.19
Stage 4-Scavo H=1.5m	-15.52	-1.72	2.45
Stage 4-Scavo H=1.5m	-15.72	-1.22	2.49
Stage 4-Scavo H=1.5m	-15.92	-0.76	2.32
Stage 4-Scavo H=1.5m	-16.12	-0.37	1.93
Stage 4-Scavo H=1.5m	-16.32	-0.1	1.33
Stage 4-Scavo H=1.5m	-16.52	0	0.51

6.1.9. Tabella Spostamento SLE (Rara/Frequente/Quasi Permanente) - LEFT Stage: Stage 5-Scavo H=3m

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 5-Scavo H=3m	-0.32	2.42
Stage 5-Scavo H=3m	-0.52	2.36
Stage 5-Scavo H=3m	-0.72	2.3
Stage 5-Scavo H=3m	-0.92	2.25
Stage 5-Scavo H=3m	-1.12	2.19
Stage 5-Scavo H=3m	-1.32	2.13
Stage 5-Scavo H=3m	-1.52	2.07
Stage 5-Scavo H=3m	-1.72	2.02
Stage 5-Scavo H=3m	-1.92	1.96
Stage 5-Scavo H=3m	-2.12	1.9
Stage 5-Scavo H=3m	-2.32	1.84
Stage 5-Scavo H=3m	-2.52	1.79
Stage 5-Scavo H=3m	-2.72	1.73
Stage 5-Scavo H=3m	-2.92	1.67
Stage 5-Scavo H=3m	-3.12	1.61
Stage 5-Scavo H=3m	-3.32	1.56
Stage 5-Scavo H=3m	-3.52	1.5
Stage 5-Scavo H=3m	-3.72	1.45
Stage 5-Scavo H=3m	-3.92	1.39
Stage 5-Scavo H=3m	-4.12	1.34
Stage 5-Scavo H=3m	-4.32	1.28
Stage 5-Scavo H=3m	-4.52	1.24
Stage 5-Scavo H=3m	-4.72	1.2
Stage 5-Scavo H=3m	-4.92	1.14
Stage 5-Scavo H=3m	-5.12	1.09
Stage 5-Scavo H=3m	-5.32	1.04
Stage 5-Scavo H=3m	-5.52	1
Stage 5-Scavo H=3m	-5.72	0.95
Stage 5-Scavo H=3m	-5.92	0.9
Stage 5-Scavo H=3m	-6.12	0.86
Stage 5-Scavo H=3m	-6.32	0.82
Stage 5-Scavo H=3m	-6.52	0.77
Stage 5-Scavo H=3m	-6.72	0.73
Stage 5-Scavo H=3m	-6.92	0.69
Stage 5-Scavo H=3m	-7.12	0.66
Stage 5-Scavo H=3m	-7.32	0.62
Stage 5-Scavo H=3m	-7.52	0.59
Stage 5-Scavo H=3m	-7.72	0.55
Stage 5-Scavo H=3m	-7.92	0.52
Stage 5-Scavo H=3m	-8.12	0.49
Stage 5-Scavo H=3m	-8.32	0.46
Stage 5-Scavo H=3m	-8.52	0.43
Stage 5-Scavo H=3m	-8.72	0.41
Stage 5-Scavo H=3m	-8.92	0.38
Stage 5-Scavo H=3m	-9.12	0.36
Stage 5-Scavo H=3m	-9.32	0.34
Stage 5-Scavo H=3m	-9.52	0.32
Stage 5-Scavo H=3m	-9.72	0.3
Stage 5-Scavo H=3m	-9.92	0.28
Stage 5-Scavo H=3m	-10.12	0.26
Stage 5-Scavo H=3m	-10.32	0.24
Stage 5-Scavo H=3m	-10.52	0.23
Stage 5-Scavo H=3m	-10.72	0.21
Stage 5-Scavo H=3m	-10.92	0.2
Stage 5-Scavo H=3m	-11.12	0.18
Stage 5-Scavo H=3m	-11.32	0.17
Stage 5-Scavo H=3m	-11.52	0.16
Stage 5-Scavo H=3m	-11.72	0.15
Stage 5-Scavo H=3m	-11.92	0.14
Stage 5-Scavo H=3m	-12.12	0.13
Stage 5-Scavo H=3m	-12.32	0.12
Stage 5-Scavo H=3m	-12.52	0.11
Stage 5-Scavo H=3m	-12.72	0.1
Stage 5-Scavo H=3m	-12.92	0.09
Stage 5-Scavo H=3m	-13.12	0.08

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 5-Scavo H=3m	-13.32	0.08
Stage 5-Scavo H=3m	-13.52	0.07
Stage 5-Scavo H=3m	-13.72	0.06
Stage 5-Scavo H=3m	-13.92	0.05
Stage 5-Scavo H=3m	-14.12	0.05
Stage 5-Scavo H=3m	-14.32	0.04
Stage 5-Scavo H=3m	-14.52	0.03
Stage 5-Scavo H=3m	-14.72	0.03
Stage 5-Scavo H=3m	-14.92	0.02
Stage 5-Scavo H=3m	-15.12	0.02
Stage 5-Scavo H=3m	-15.32	0.01
Stage 5-Scavo H=3m	-15.52	0.01
Stage 5-Scavo H=3m	-15.72	0
Stage 5-Scavo H=3m	-15.92	0
Stage 5-Scavo H=3m	-16.12	0
Stage 5-Scavo H=3m	-16.32	-0.01
Stage 5-Scavo H=3m	-16.52	-0.01

6.1.10. Tabella Risultati Paratia SLE (Rara/Frequente/Quasi Permanente) - Left Wall - Stage: Stage 5-Scavo H=3m

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=3m	-0.32	0	0
Stage 5-Scavo H=3m	-0.52	0	0
Stage 5-Scavo H=3m	-0.52	0	0
Stage 5-Scavo H=3m	-0.72	-0.08	-0.39
Stage 5-Scavo H=3m	-0.92	-0.31	-1.16
Stage 5-Scavo H=3m	-1.12	-0.77	-2.32
Stage 5-Scavo H=3m	-1.32	-1.55	-3.87
Stage 5-Scavo H=3m	-1.52	-2.71	-5.8
Stage 5-Scavo H=3m	-1.72	-4.33	-8.12
Stage 5-Scavo H=3m	-1.92	-6.5	-10.83
Stage 5-Scavo H=3m	-2.12	-9.28	-13.93
Stage 5-Scavo H=3m	-2.32	-12.77	-17.41
Stage 5-Scavo H=3m	-2.52	-17.02	-21.28
Stage 5-Scavo H=3m	-2.72	-22.13	-25.53
Stage 5-Scavo H=3m	-2.92	-28.16	-30.17
Stage 5-Scavo H=3m	-3.12	-35.2	-35.2
Stage 5-Scavo H=3m	-3.32	-43.33	-40.62
Stage 5-Scavo H=3m	-3.52	-52.61	-46.42
Stage 5-Scavo H=3m	-3.72	-62.79	-50.91
Stage 5-Scavo H=3m	-3.92	-73.61	-54.07
Stage 5-Scavo H=3m	-4.12	-84.79	-55.93
Stage 5-Scavo H=3m	-4.32	-96.08	-56.46
Stage 5-Scavo H=3m	-4.52	-107.22	-55.68
Stage 5-Scavo H=3m	-4.72	-117.44	-51.08
Stage 5-Scavo H=3m	-4.92	-126.77	-46.67
Stage 5-Scavo H=3m	-5.12	-135.24	-42.36
Stage 5-Scavo H=3m	-5.32	-142.87	-38.13
Stage 5-Scavo H=3m	-5.52	-149.67	-34
Stage 5-Scavo H=3m	-5.72	-155.66	-29.94
Stage 5-Scavo H=3m	-5.92	-160.85	-25.97
Stage 5-Scavo H=3m	-6.12	-165.27	-22.09
Stage 5-Scavo H=3m	-6.32	-168.92	-18.28
Stage 5-Scavo H=3m	-6.52	-171.83	-14.54
Stage 5-Scavo H=3m	-6.72	-174.01	-10.88
Stage 5-Scavo H=3m	-6.92	-175.47	-7.3
Stage 5-Scavo H=3m	-7.12	-176.22	-3.77
Stage 5-Scavo H=3m	-7.32	-176.29	-0.32
Stage 5-Scavo H=3m	-7.52	-175.67	3.08
Stage 5-Scavo H=3m	-7.72	-174.41	6.33
Stage 5-Scavo H=3m	-7.92	-172.53	9.39
Stage 5-Scavo H=3m	-8.12	-170.07	12.29
Stage 5-Scavo H=3m	-8.32	-167.07	15.01
Stage 5-Scavo H=3m	-8.52	-163.55	17.59
Stage 5-Scavo H=3m	-8.72	-159.55	20.01
Stage 5-Scavo H=3m	-8.92	-155.09	22.29
Stage 5-Scavo H=3m	-9.12	-150.23	24.3
Stage 5-Scavo H=3m	-9.32	-145.03	26
Stage 5-Scavo H=3m	-9.52	-139.55	27.41
Stage 5-Scavo H=3m	-9.72	-133.84	28.55
Stage 5-Scavo H=3m	-9.92	-127.95	29.42
Stage 5-Scavo H=3m	-10.12	-121.94	30.05
Stage 5-Scavo H=3m	-10.32	-115.86	30.44
Stage 5-Scavo H=3m	-10.52	-109.73	30.62
Stage 5-Scavo H=3m	-10.72	-103.62	30.58
Stage 5-Scavo H=3m	-10.92	-97.54	30.36
Stage 5-Scavo H=3m	-11.12	-91.56	29.94
Stage 5-Scavo H=3m	-11.32	-85.68	29.36
Stage 5-Scavo H=3m	-11.52	-79.96	28.6
Stage 5-Scavo H=3m	-11.72	-74.43	27.69
Stage 5-Scavo H=3m	-11.92	-69.1	26.63
Stage 5-Scavo H=3m	-12.12	-64.01	25.43
Stage 5-Scavo H=3m	-12.32	-59.19	24.1
Stage 5-Scavo H=3m	-12.52	-54.67	22.63
Stage 5-Scavo H=3m	-12.72	-50.46	21.05
Stage 5-Scavo H=3m	-12.92	-46.59	19.34

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=3m	-13.12	-43.08	17.53
Stage 5-Scavo H=3m	-13.32	-39.96	15.61
Stage 5-Scavo H=3m	-13.52	-37.25	13.58
Stage 5-Scavo H=3m	-13.72	-34.95	11.45
Stage 5-Scavo H=3m	-13.92	-33.11	9.23
Stage 5-Scavo H=3m	-14.12	-30.71	12
Stage 5-Scavo H=3m	-14.32	-27.88	14.16
Stage 5-Scavo H=3m	-14.52	-24.73	15.71
Stage 5-Scavo H=3m	-14.72	-21.4	16.69
Stage 5-Scavo H=3m	-14.92	-17.97	17.12
Stage 5-Scavo H=3m	-15.12	-14.57	17
Stage 5-Scavo H=3m	-15.32	-11.3	16.36
Stage 5-Scavo H=3m	-15.52	-8.26	15.21
Stage 5-Scavo H=3m	-15.72	-5.55	13.55
Stage 5-Scavo H=3m	-15.92	-3.27	11.4
Stage 5-Scavo H=3m	-16.12	-1.52	8.75
Stage 5-Scavo H=3m	-16.32	-0.4	5.61
Stage 5-Scavo H=3m	-16.52	0	1.98

6.1.11. Tabella Spostamento SLE (Rara/Frequente/Quasi Permanente) - LEFT Stage: Stage 6-Scavo H=4.84m

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 6-Scavo H=4.84m	-0.32	10.81
Stage 6-Scavo H=4.84m	-0.52	10.62
Stage 6-Scavo H=4.84m	-0.72	10.42
Stage 6-Scavo H=4.84m	-0.92	10.23
Stage 6-Scavo H=4.84m	-1.12	10.03
Stage 6-Scavo H=4.84m	-1.32	9.84
Stage 6-Scavo H=4.84m	-1.52	9.64
Stage 6-Scavo H=4.84m	-1.72	9.45
Stage 6-Scavo H=4.84m	-1.92	9.25
Stage 6-Scavo H=4.84m	-2.12	9.06
Stage 6-Scavo H=4.84m	-2.32	8.87
Stage 6-Scavo H=4.84m	-2.52	8.67
Stage 6-Scavo H=4.84m	-2.72	8.48
Stage 6-Scavo H=4.84m	-2.92	8.28
Stage 6-Scavo H=4.84m	-3.12	8.09
Stage 6-Scavo H=4.84m	-3.32	7.9
Stage 6-Scavo H=4.84m	-3.52	7.7
Stage 6-Scavo H=4.84m	-3.72	7.51
Stage 6-Scavo H=4.84m	-3.92	7.32
Stage 6-Scavo H=4.84m	-4.12	7.13
Stage 6-Scavo H=4.84m	-4.32	6.94
Stage 6-Scavo H=4.84m	-4.52	6.76
Stage 6-Scavo H=4.84m	-4.72	6.58
Stage 6-Scavo H=4.84m	-4.92	6.39
Stage 6-Scavo H=4.84m	-5.12	6.2
Stage 6-Scavo H=4.84m	-5.32	6.02
Stage 6-Scavo H=4.84m	-5.52	5.83
Stage 6-Scavo H=4.84m	-5.72	5.65
Stage 6-Scavo H=4.84m	-5.92	5.47
Stage 6-Scavo H=4.84m	-6.12	5.29
Stage 6-Scavo H=4.84m	-6.32	5.12
Stage 6-Scavo H=4.84m	-6.52	4.95
Stage 6-Scavo H=4.84m	-6.72	4.77
Stage 6-Scavo H=4.84m	-6.92	4.61
Stage 6-Scavo H=4.84m	-7.12	4.44
Stage 6-Scavo H=4.84m	-7.32	4.28
Stage 6-Scavo H=4.84m	-7.52	4.12
Stage 6-Scavo H=4.84m	-7.72	3.96
Stage 6-Scavo H=4.84m	-7.92	3.81
Stage 6-Scavo H=4.84m	-8.12	3.65
Stage 6-Scavo H=4.84m	-8.32	3.51
Stage 6-Scavo H=4.84m	-8.52	3.36
Stage 6-Scavo H=4.84m	-8.72	3.22
Stage 6-Scavo H=4.84m	-8.92	3.08
Stage 6-Scavo H=4.84m	-9.12	2.94
Stage 6-Scavo H=4.84m	-9.32	2.81
Stage 6-Scavo H=4.84m	-9.52	2.68
Stage 6-Scavo H=4.84m	-9.72	2.55
Stage 6-Scavo H=4.84m	-9.92	2.43
Stage 6-Scavo H=4.84m	-10.12	2.31
Stage 6-Scavo H=4.84m	-10.32	2.19
Stage 6-Scavo H=4.84m	-10.52	2.07
Stage 6-Scavo H=4.84m	-10.72	1.96
Stage 6-Scavo H=4.84m	-10.92	1.85
Stage 6-Scavo H=4.84m	-11.12	1.74
Stage 6-Scavo H=4.84m	-11.32	1.64
Stage 6-Scavo H=4.84m	-11.52	1.53
Stage 6-Scavo H=4.84m	-11.72	1.44
Stage 6-Scavo H=4.84m	-11.92	1.34
Stage 6-Scavo H=4.84m	-12.12	1.24
Stage 6-Scavo H=4.84m	-12.32	1.15
Stage 6-Scavo H=4.84m	-12.52	1.06
Stage 6-Scavo H=4.84m	-12.72	0.97
Stage 6-Scavo H=4.84m	-12.92	0.88
Stage 6-Scavo H=4.84m	-13.12	0.8

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 6-Scavo H=4.84m	-13.32	0.72
Stage 6-Scavo H=4.84m	-13.52	0.64
Stage 6-Scavo H=4.84m	-13.72	0.56
Stage 6-Scavo H=4.84m	-13.92	0.48
Stage 6-Scavo H=4.84m	-14.12	0.4
Stage 6-Scavo H=4.84m	-14.32	0.32
Stage 6-Scavo H=4.84m	-14.52	0.25
Stage 6-Scavo H=4.84m	-14.72	0.18
Stage 6-Scavo H=4.84m	-14.92	0.1
Stage 6-Scavo H=4.84m	-15.12	0.03
Stage 6-Scavo H=4.84m	-15.32	-0.04
Stage 6-Scavo H=4.84m	-15.52	-0.11
Stage 6-Scavo H=4.84m	-15.72	-0.18
Stage 6-Scavo H=4.84m	-15.92	-0.25
Stage 6-Scavo H=4.84m	-16.12	-0.32
Stage 6-Scavo H=4.84m	-16.32	-0.39
Stage 6-Scavo H=4.84m	-16.52	-0.46

6.1.12. Tabella Risultati Paratia SLE (Rara/Frequente/Quasi Permanente) - Left Wall - Stage: Stage 6-Scavo H=4.84m

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=4.84m	-0.32	0	0
Stage 6-Scavo H=4.84m	-0.52	0	0
Stage 6-Scavo H=4.84m	-0.52	0	0
Stage 6-Scavo H=4.84m	-0.72	-0.08	-0.39
Stage 6-Scavo H=4.84m	-0.92	-0.31	-1.16
Stage 6-Scavo H=4.84m	-1.12	-0.77	-2.32
Stage 6-Scavo H=4.84m	-1.32	-1.55	-3.87
Stage 6-Scavo H=4.84m	-1.52	-2.71	-5.8
Stage 6-Scavo H=4.84m	-1.72	-4.33	-8.12
Stage 6-Scavo H=4.84m	-1.92	-6.5	-10.83
Stage 6-Scavo H=4.84m	-2.12	-9.28	-13.93
Stage 6-Scavo H=4.84m	-2.32	-12.77	-17.41
Stage 6-Scavo H=4.84m	-2.52	-17.02	-21.28
Stage 6-Scavo H=4.84m	-2.72	-22.13	-25.53
Stage 6-Scavo H=4.84m	-2.92	-28.16	-30.17
Stage 6-Scavo H=4.84m	-3.12	-35.2	-35.2
Stage 6-Scavo H=4.84m	-3.32	-43.33	-40.62
Stage 6-Scavo H=4.84m	-3.52	-52.61	-46.42
Stage 6-Scavo H=4.84m	-3.72	-63.13	-52.61
Stage 6-Scavo H=4.84m	-3.92	-74.97	-59.19
Stage 6-Scavo H=4.84m	-4.12	-88.2	-66.15
Stage 6-Scavo H=4.84m	-4.32	-102.9	-73.5
Stage 6-Scavo H=4.84m	-4.52	-119.15	-81.24
Stage 6-Scavo H=4.84m	-4.72	-136.41	-86.3
Stage 6-Scavo H=4.84m	-4.92	-154.75	-91.73
Stage 6-Scavo H=4.84m	-5.12	-174.26	-97.54
Stage 6-Scavo H=4.84m	-5.32	-195	-103.72
Stage 6-Scavo H=4.84m	-5.52	-215.23	-101.1
Stage 6-Scavo H=4.84m	-5.72	-234.54	-96.56
Stage 6-Scavo H=4.84m	-5.92	-252.65	-90.58
Stage 6-Scavo H=4.84m	-6.12	-269.37	-83.6
Stage 6-Scavo H=4.84m	-6.32	-284.66	-76.44
Stage 6-Scavo H=4.84m	-6.52	-298.56	-69.48
Stage 6-Scavo H=4.84m	-6.72	-311.1	-62.73
Stage 6-Scavo H=4.84m	-6.92	-322.34	-56.19
Stage 6-Scavo H=4.84m	-7.12	-332.31	-49.84
Stage 6-Scavo H=4.84m	-7.32	-341.05	-43.7
Stage 6-Scavo H=4.84m	-7.52	-348.6	-37.75
Stage 6-Scavo H=4.84m	-7.72	-354.99	-31.99
Stage 6-Scavo H=4.84m	-7.92	-360.28	-26.42
Stage 6-Scavo H=4.84m	-8.12	-364.49	-21.04
Stage 6-Scavo H=4.84m	-8.32	-367.66	-15.84
Stage 6-Scavo H=4.84m	-8.52	-369.82	-10.82
Stage 6-Scavo H=4.84m	-8.72	-371.02	-5.97
Stage 6-Scavo H=4.84m	-8.92	-371.27	-1.3
Stage 6-Scavo H=4.84m	-9.12	-370.63	3.22
Stage 6-Scavo H=4.84m	-9.32	-369.12	7.57
Stage 6-Scavo H=4.84m	-9.52	-366.77	11.76
Stage 6-Scavo H=4.84m	-9.72	-363.61	15.8
Stage 6-Scavo H=4.84m	-9.92	-359.67	19.69
Stage 6-Scavo H=4.84m	-10.12	-354.98	23.44
Stage 6-Scavo H=4.84m	-10.32	-349.57	27.04
Stage 6-Scavo H=4.84m	-10.52	-343.47	30.51
Stage 6-Scavo H=4.84m	-10.72	-336.7	33.84
Stage 6-Scavo H=4.84m	-10.92	-329.3	37.04
Stage 6-Scavo H=4.84m	-11.12	-321.27	40.12
Stage 6-Scavo H=4.84m	-11.32	-312.66	43.07
Stage 6-Scavo H=4.84m	-11.52	-303.48	45.9
Stage 6-Scavo H=4.84m	-11.72	-293.75	48.62
Stage 6-Scavo H=4.84m	-11.92	-283.51	51.22
Stage 6-Scavo H=4.84m	-12.12	-272.79	53.6
Stage 6-Scavo H=4.84m	-12.32	-261.66	55.63
Stage 6-Scavo H=4.84m	-12.52	-250.2	57.34
Stage 6-Scavo H=4.84m	-12.72	-238.45	58.72
Stage 6-Scavo H=4.84m	-12.92	-226.5	59.78

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 6-Scavo H=4.84m	-13.12	-214.39	60.54
Stage 6-Scavo H=4.84m	-13.32	-202.19	61
Stage 6-Scavo H=4.84m	-13.52	-189.96	61.16
Stage 6-Scavo H=4.84m	-13.72	-177.75	61.03
Stage 6-Scavo H=4.84m	-13.92	-165.68	60.34
Stage 6-Scavo H=4.84m	-14.12	-152.46	66.09
Stage 6-Scavo H=4.84m	-14.32	-138.22	71.22
Stage 6-Scavo H=4.84m	-14.52	-123.07	75.75
Stage 6-Scavo H=4.84m	-14.72	-107.13	79.68
Stage 6-Scavo H=4.84m	-14.92	-90.56	82.89
Stage 6-Scavo H=4.84m	-15.12	-73.69	84.34
Stage 6-Scavo H=4.84m	-15.32	-57.28	82.05
Stage 6-Scavo H=4.84m	-15.52	-41.95	76.65
Stage 6-Scavo H=4.84m	-15.72	-28.23	68.57
Stage 6-Scavo H=4.84m	-15.92	-16.67	57.82
Stage 6-Scavo H=4.84m	-16.12	-7.75	44.6
Stage 6-Scavo H=4.84m	-16.32	-2	28.75
Stage 6-Scavo H=4.84m	-16.52	0	10

6.1.13. Tabella Spostamento SLE (Rara/Frequente/Quasi Permanente) - LEFT Stage: Sismica

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Sismica	-0.32	10.81
Sismica	-0.52	10.62
Sismica	-0.72	10.42
Sismica	-0.92	10.23
Sismica	-1.12	10.03
Sismica	-1.32	9.84
Sismica	-1.52	9.64
Sismica	-1.72	9.45
Sismica	-1.92	9.25
Sismica	-2.12	9.06
Sismica	-2.32	8.87
Sismica	-2.52	8.67
Sismica	-2.72	8.48
Sismica	-2.92	8.28
Sismica	-3.12	8.09
Sismica	-3.32	7.9
Sismica	-3.52	7.7
Sismica	-3.72	7.51
Sismica	-3.92	7.32
Sismica	-4.12	7.13
Sismica	-4.32	6.94
Sismica	-4.52	6.76
Sismica	-4.72	6.58
Sismica	-4.92	6.39
Sismica	-5.12	6.2
Sismica	-5.32	6.02
Sismica	-5.52	5.83
Sismica	-5.72	5.65
Sismica	-5.92	5.47
Sismica	-6.12	5.29
Sismica	-6.32	5.12
Sismica	-6.52	4.95
Sismica	-6.72	4.77
Sismica	-6.92	4.61
Sismica	-7.12	4.44
Sismica	-7.32	4.28
Sismica	-7.52	4.12
Sismica	-7.72	3.96
Sismica	-7.92	3.81
Sismica	-8.12	3.65
Sismica	-8.32	3.51
Sismica	-8.52	3.36
Sismica	-8.72	3.22
Sismica	-8.92	3.08
Sismica	-9.12	2.94
Sismica	-9.32	2.81
Sismica	-9.52	2.68
Sismica	-9.72	2.55
Sismica	-9.92	2.43
Sismica	-10.12	2.31
Sismica	-10.32	2.19
Sismica	-10.52	2.07
Sismica	-10.72	1.96
Sismica	-10.92	1.85
Sismica	-11.12	1.74
Sismica	-11.32	1.64
Sismica	-11.52	1.53
Sismica	-11.72	1.44
Sismica	-11.92	1.34
Sismica	-12.12	1.24
Sismica	-12.32	1.15
Sismica	-12.52	1.06
Sismica	-12.72	0.97
Sismica	-12.92	0.88
Sismica	-13.12	0.8
Sismica	-13.32	0.72
Sismica	-13.52	0.64

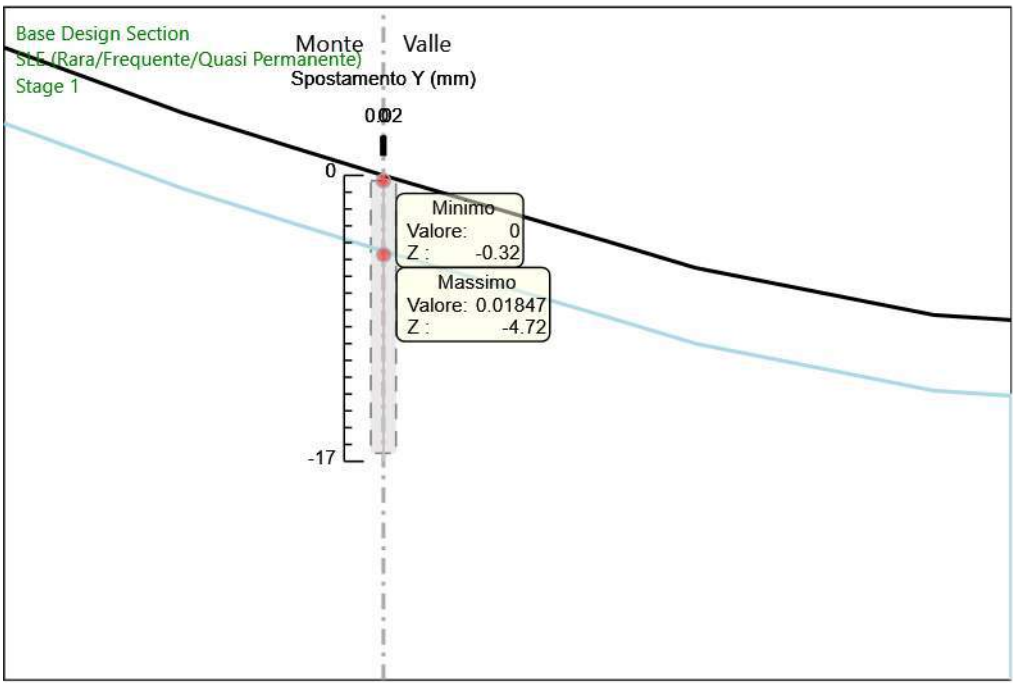
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Sismica	-13.72	0.56
Sismica	-13.92	0.47
Sismica	-14.12	0.4
Sismica	-14.32	0.32
Sismica	-14.52	0.25
Sismica	-14.72	0.18
Sismica	-14.92	0.1
Sismica	-15.12	0.03
Sismica	-15.32	-0.04
Sismica	-15.52	-0.11
Sismica	-15.72	-0.18
Sismica	-15.92	-0.25
Sismica	-16.12	-0.32
Sismica	-16.32	-0.39
Sismica	-16.52	-0.46

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

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sismica	-0.32	0	0
Sismica	-0.52	0	0
Sismica	-0.52	0	0
Sismica	-0.72	-0.08	-0.39
Sismica	-0.92	-0.31	-1.16
Sismica	-1.12	-0.77	-2.32
Sismica	-1.32	-1.55	-3.87
Sismica	-1.52	-2.71	-5.8
Sismica	-1.72	-4.33	-8.12
Sismica	-1.92	-6.5	-10.83
Sismica	-2.12	-9.28	-13.93
Sismica	-2.32	-12.77	-17.41
Sismica	-2.52	-17.02	-21.28
Sismica	-2.72	-22.13	-25.53
Sismica	-2.92	-28.16	-30.17
Sismica	-3.12	-35.2	-35.2
Sismica	-3.32	-43.33	-40.62
Sismica	-3.52	-52.61	-46.42
Sismica	-3.72	-63.13	-52.61
Sismica	-3.92	-74.97	-59.19
Sismica	-4.12	-88.2	-66.15
Sismica	-4.32	-102.9	-73.5
Sismica	-4.52	-119.15	-81.24
Sismica	-4.72	-136.41	-86.3
Sismica	-4.92	-154.75	-91.73
Sismica	-5.12	-174.26	-97.54
Sismica	-5.32	-195	-103.72
Sismica	-5.52	-215.23	-101.1
Sismica	-5.72	-234.54	-96.56
Sismica	-5.92	-252.65	-90.58
Sismica	-6.12	-269.37	-83.6
Sismica	-6.32	-284.66	-76.44
Sismica	-6.52	-298.56	-69.48
Sismica	-6.72	-311.1	-62.73
Sismica	-6.92	-322.34	-56.19
Sismica	-7.12	-332.31	-49.84
Sismica	-7.32	-341.05	-43.7
Sismica	-7.52	-348.6	-37.75
Sismica	-7.72	-354.99	-31.99
Sismica	-7.92	-360.28	-26.42
Sismica	-8.12	-364.49	-21.04
Sismica	-8.32	-367.66	-15.84
Sismica	-8.52	-369.82	-10.82
Sismica	-8.72	-371.02	-5.97
Sismica	-8.92	-371.27	-1.3
Sismica	-9.12	-370.63	3.22
Sismica	-9.32	-369.12	7.57
Sismica	-9.52	-366.77	11.76
Sismica	-9.72	-363.6	15.8
Sismica	-9.92	-359.67	19.69
Sismica	-10.12	-354.98	23.44
Sismica	-10.32	-349.57	27.04
Sismica	-10.52	-343.47	30.51
Sismica	-10.72	-336.7	33.84
Sismica	-10.92	-329.29	37.04
Sismica	-11.12	-321.27	40.12
Sismica	-11.32	-312.66	43.07
Sismica	-11.52	-303.48	45.9
Sismica	-11.72	-293.75	48.62
Sismica	-11.92	-283.51	51.22
Sismica	-12.12	-272.79	53.6
Sismica	-12.32	-261.66	55.63
Sismica	-12.52	-250.2	57.34
Sismica	-12.72	-238.45	58.72
Sismica	-12.92	-226.5	59.78

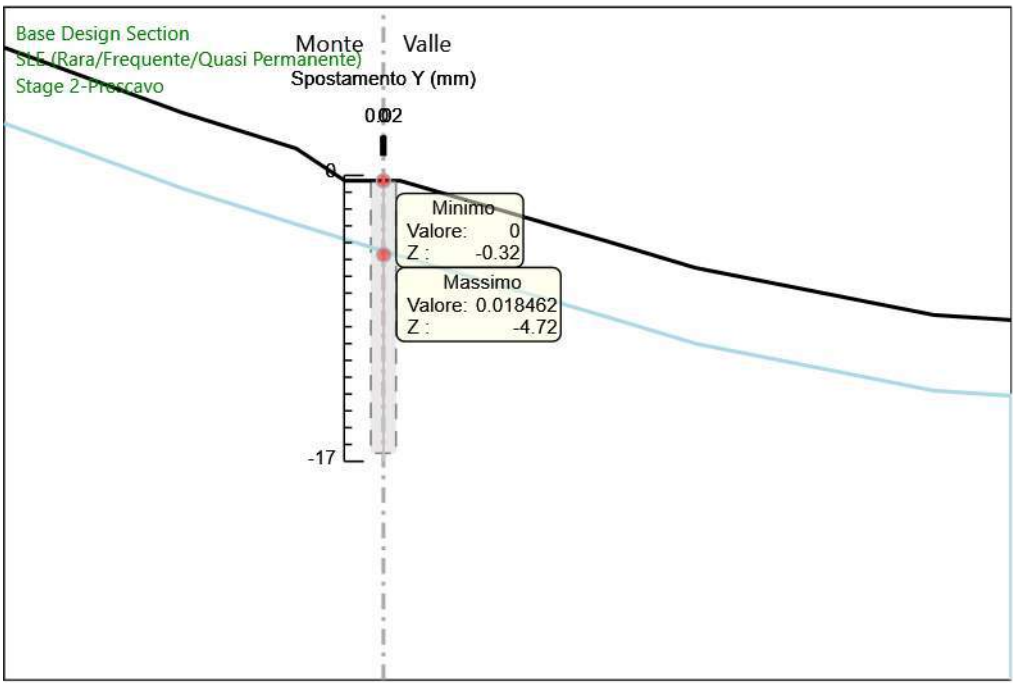
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sismica	-13.12	-214.39	60.54
Sismica	-13.32	-202.19	61
Sismica	-13.52	-189.96	61.16
Sismica	-13.72	-177.75	61.03
Sismica	-13.92	-165.68	60.34
Sismica	-14.12	-152.46	66.09
Sismica	-14.32	-138.22	71.22
Sismica	-14.52	-123.07	75.75
Sismica	-14.72	-107.13	79.68
Sismica	-14.92	-90.55	82.89
Sismica	-15.12	-73.69	84.34
Sismica	-15.32	-57.28	82.04
Sismica	-15.52	-41.95	76.65
Sismica	-15.72	-28.23	68.57
Sismica	-15.92	-16.67	57.82
Sismica	-16.12	-7.75	44.61
Sismica	-16.32	-2	28.75
Sismica	-16.52	0	10

6.1.15. Grafico Spostamento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 1



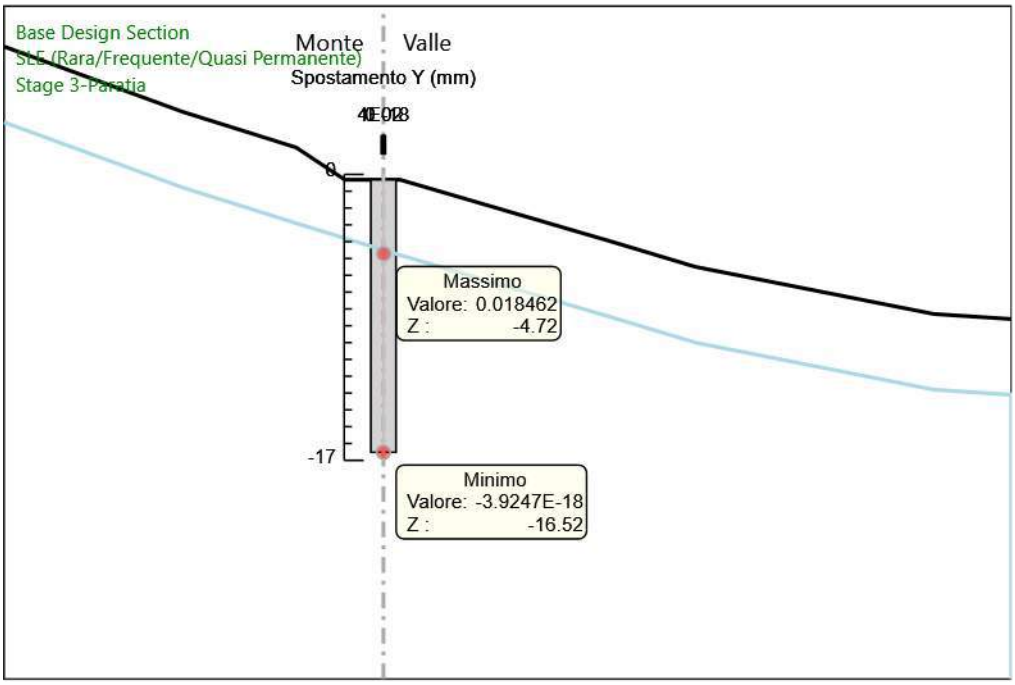
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 1
Spostamento orizzontale

6.1.16. Grafico Spostamento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 2-Prescavo



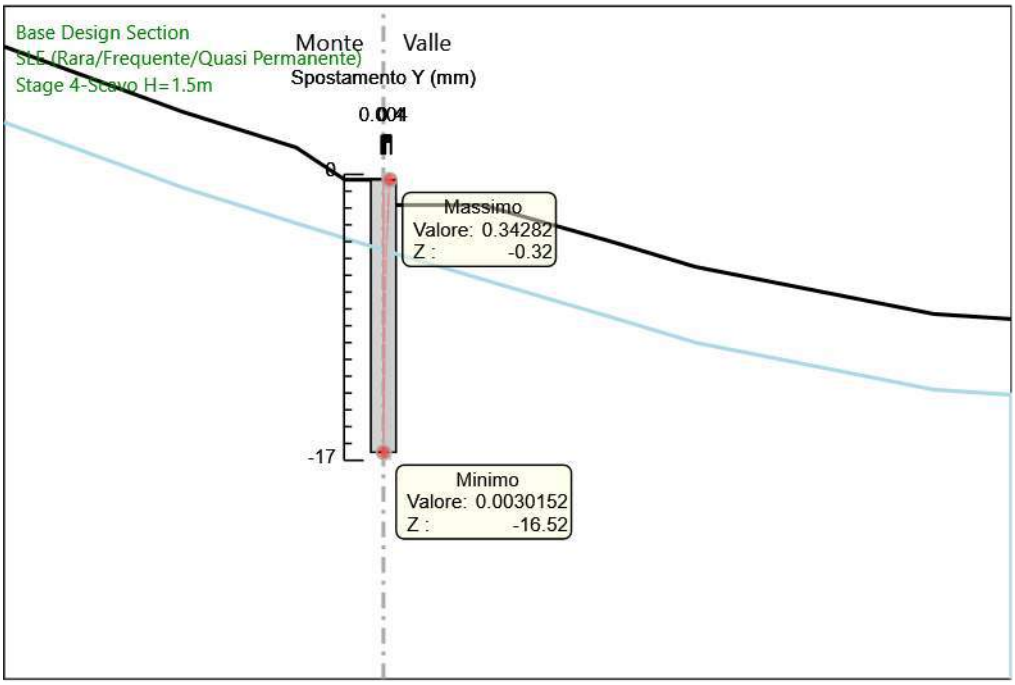
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 2-Prescavo
Spostamento orizzontale

6.1.17. Grafico Spostamento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 3-Paratia



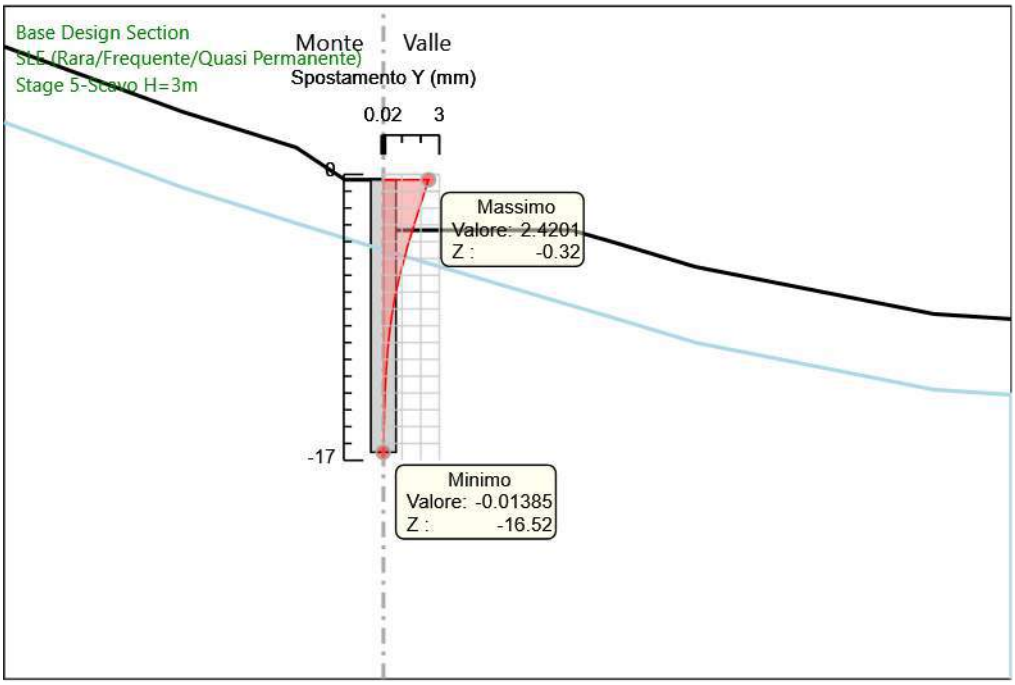
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 3-Paratia
Spostamento orizzontale

6.1.18. Grafico Spostamento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 4-Scavo H=1.5m



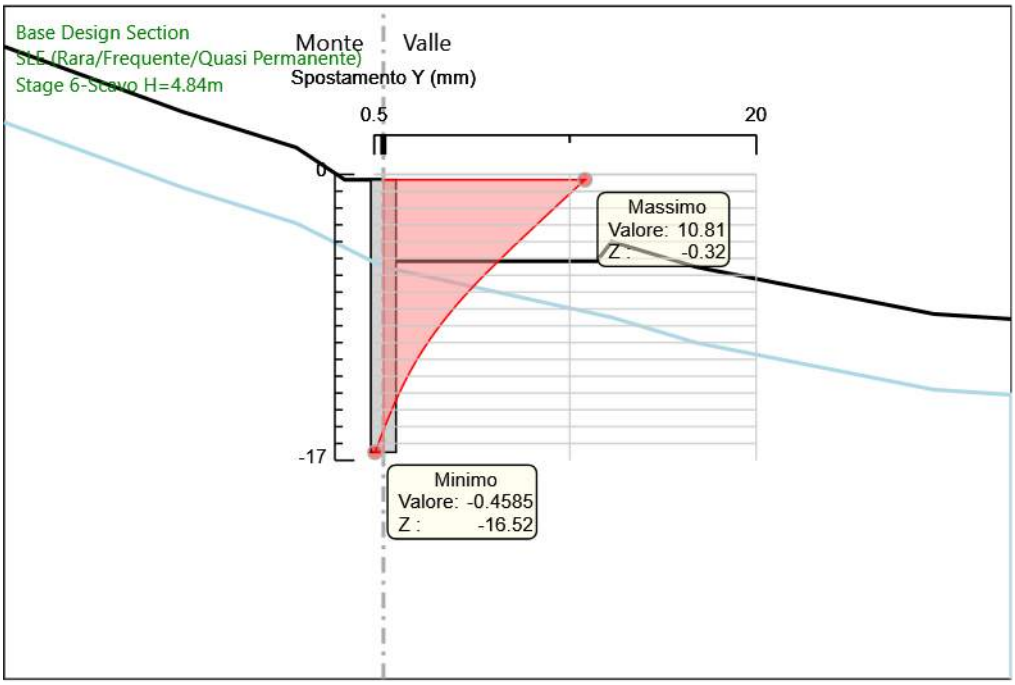
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 4-Scavo H=1.5m
Spostamento orizzontale

6.1.19. Grafico Spostamento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 5-Scavo H=3m



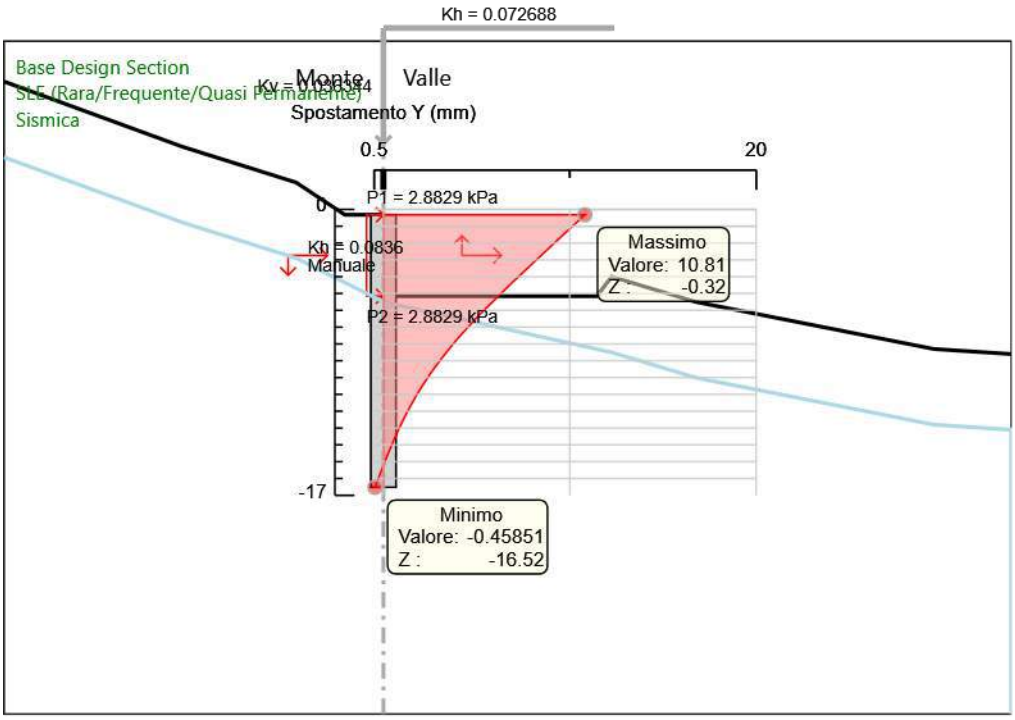
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 5-Scavo H=3m
Spostamento orizzontale

6.1.20. Grafico Spostamento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 6-Scavo H=4.84m



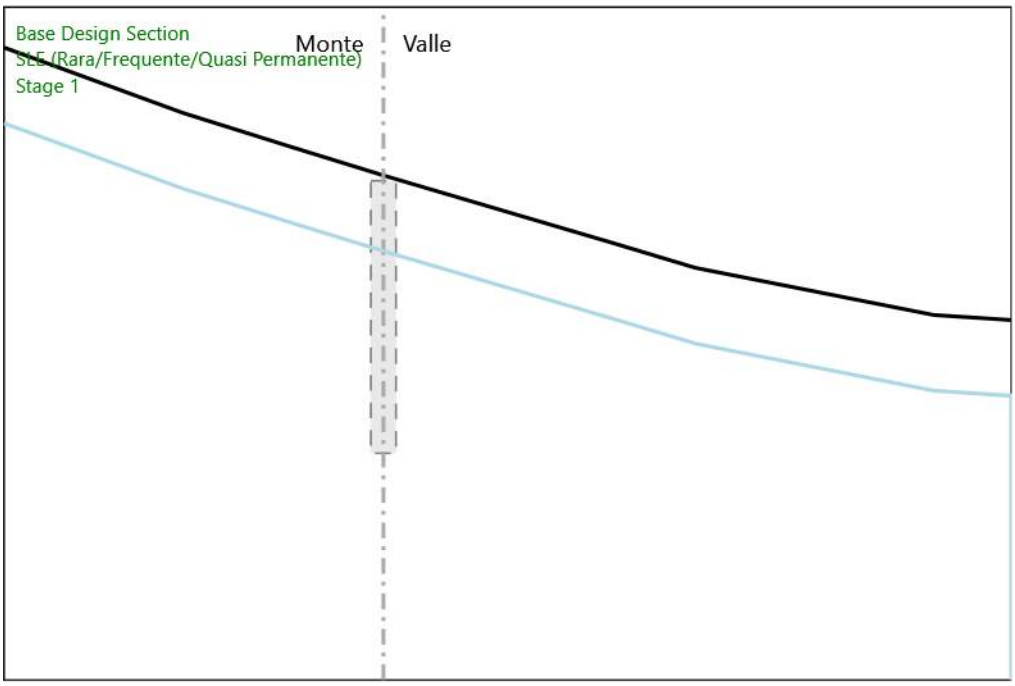
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 6-Scavo H=4.84m
Spostamento orizzontale

6.1.21. Grafico Spostamento SLE (Rara/Frequente/Quasi Permanente) - Stage: Sismica



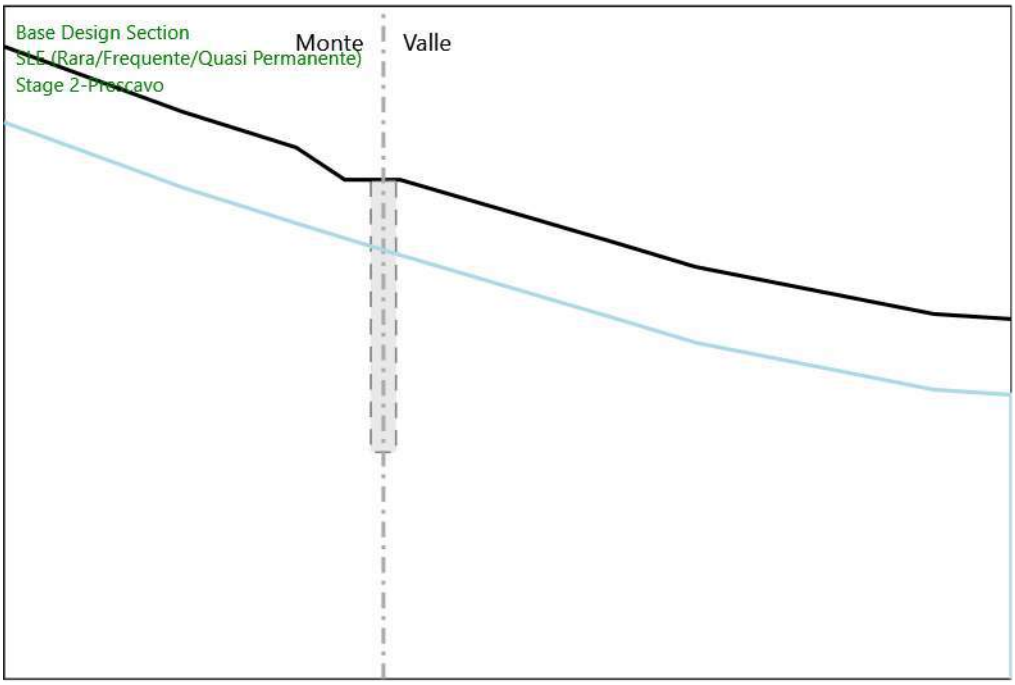
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Sismica
Spostamento orizzontale

6.1.22. Grafico Risultati Momento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 1



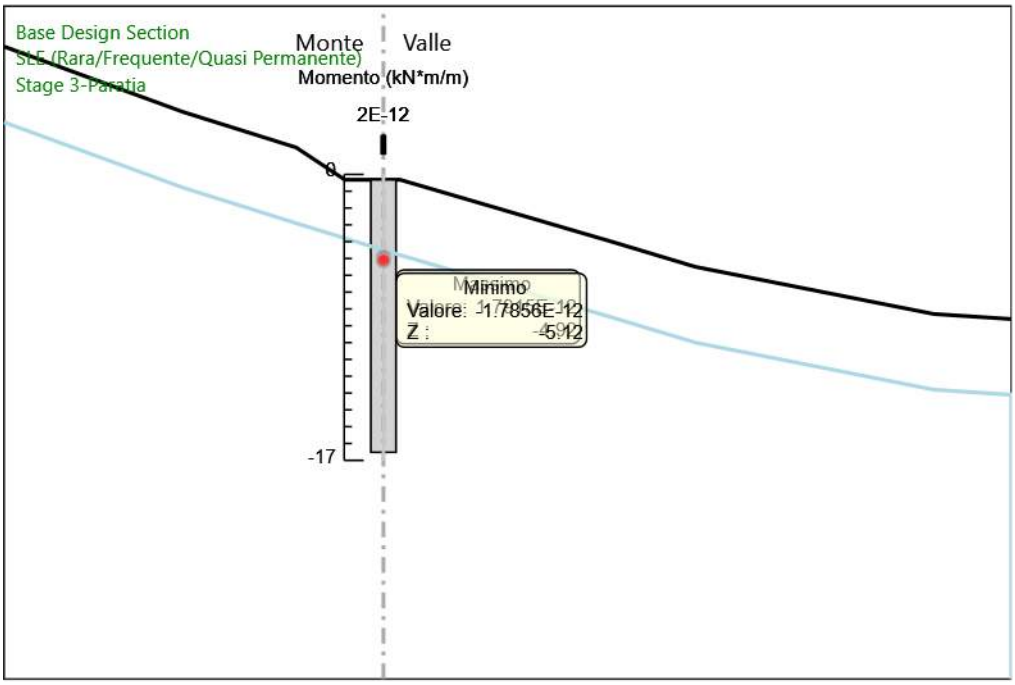
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 1
Momento

6.1.23. Grafico Risultati Momento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 2-Prescavo



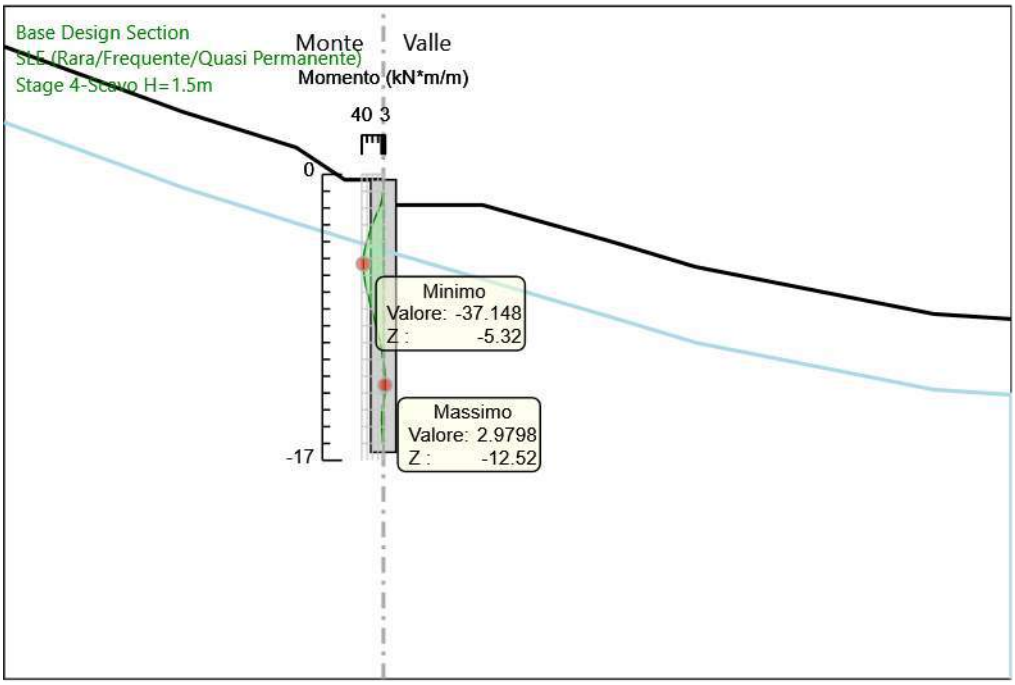
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 2-Prescavo
Momento

6.1.24. Grafico Risultati Momento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 3-Paratia



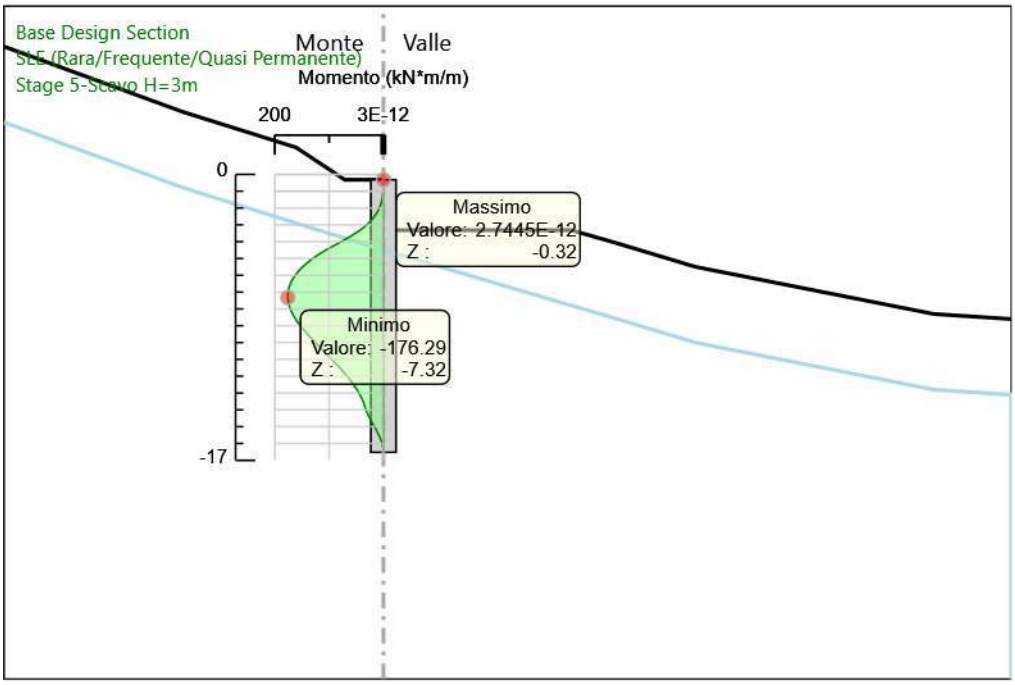
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 3-Paratia
Momento

6.1.25. Grafico Risultati Momento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 4-Scavo H=1.5m



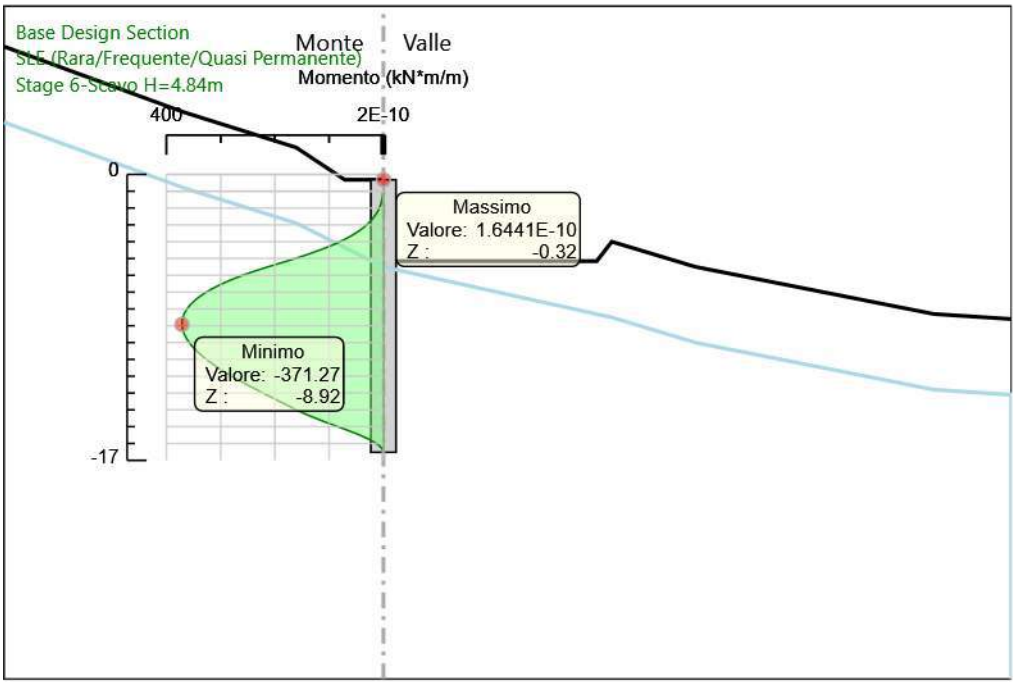
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 4-Scavo H=1.5m
Momento

6.1.26. Grafico Risultati Momento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 5-Scavo H=3m



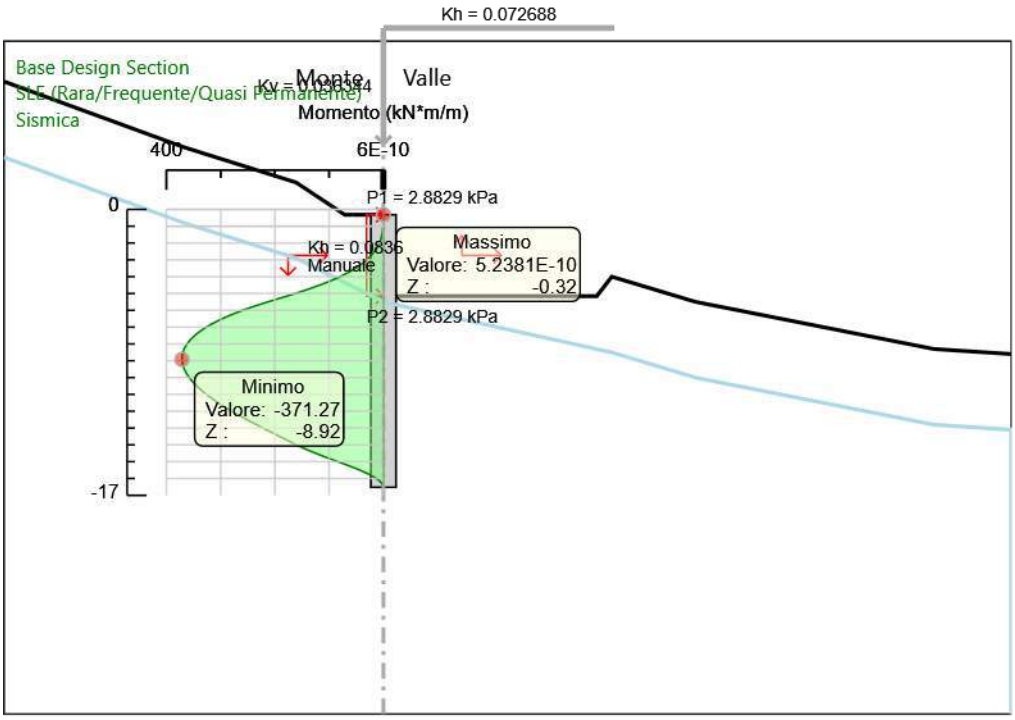
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 5-Scavo H=3m
Momento

6.1.27. Grafico Risultati Momento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 6-Scavo H=4.84m



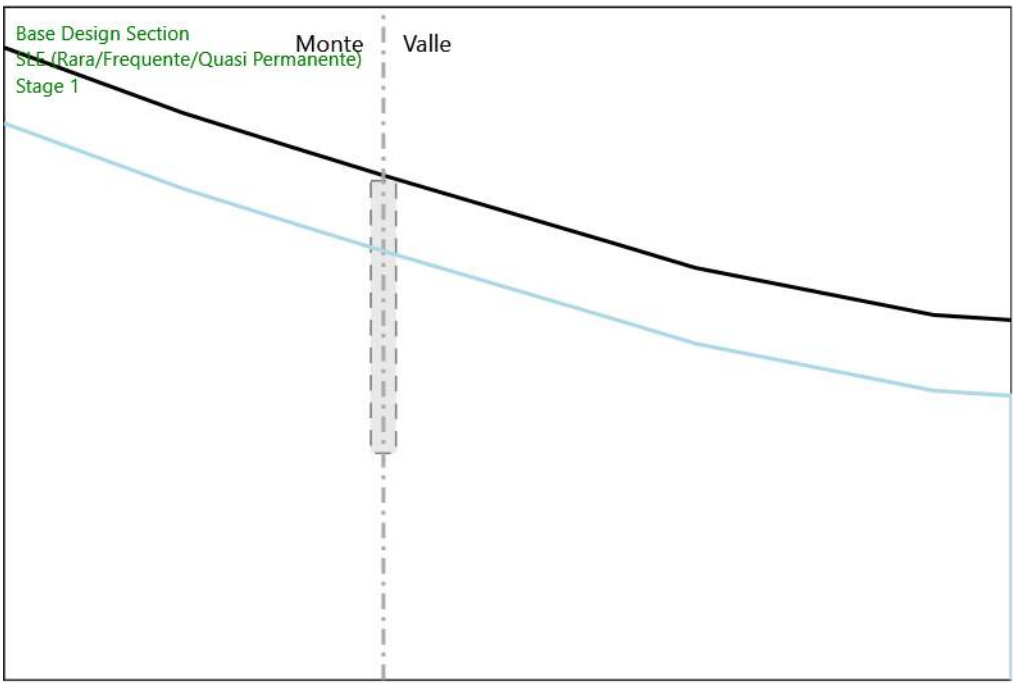
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 6-Scavo H=4.84m
Momento

6.1.28. Grafico Risultati Momento SLE (Rara/Frequente/Quasi Permanente) - Stage: Sismica



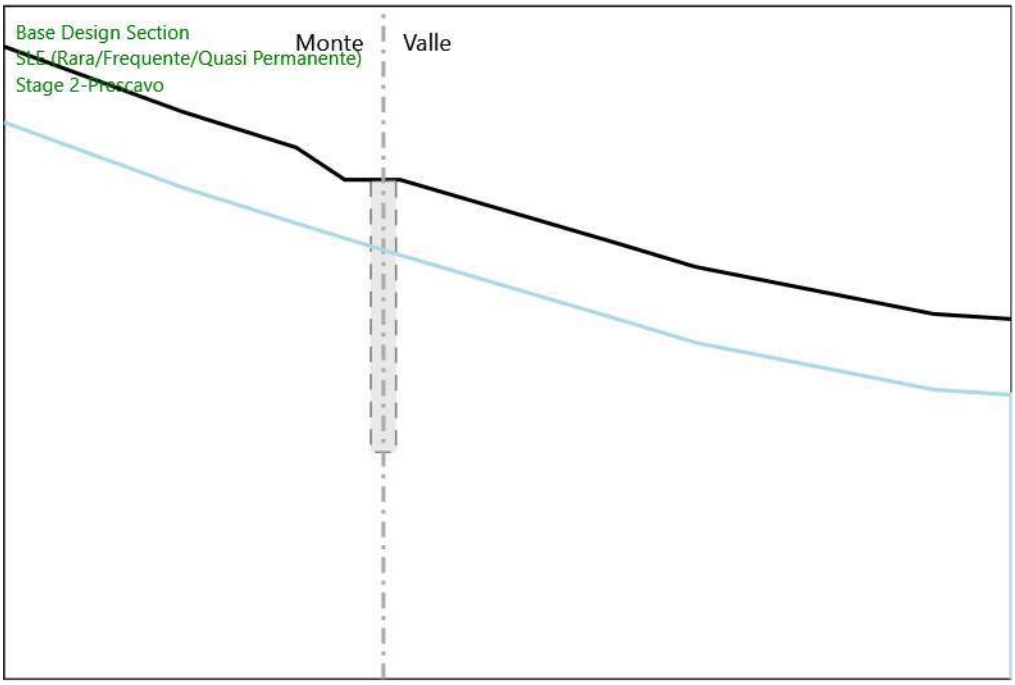
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Sismica
Momento

6.1.29. Grafico Risultati Taglio SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 1



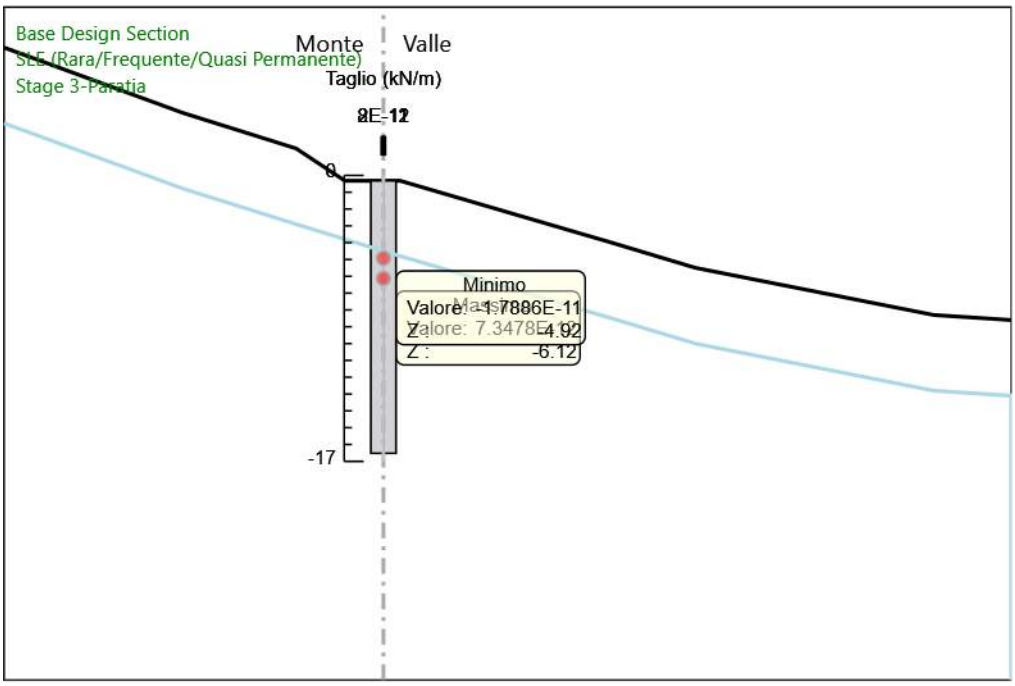
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 1
Taglio

6.1.30. Grafico Risultati Taglio SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 2-Pre-scavo



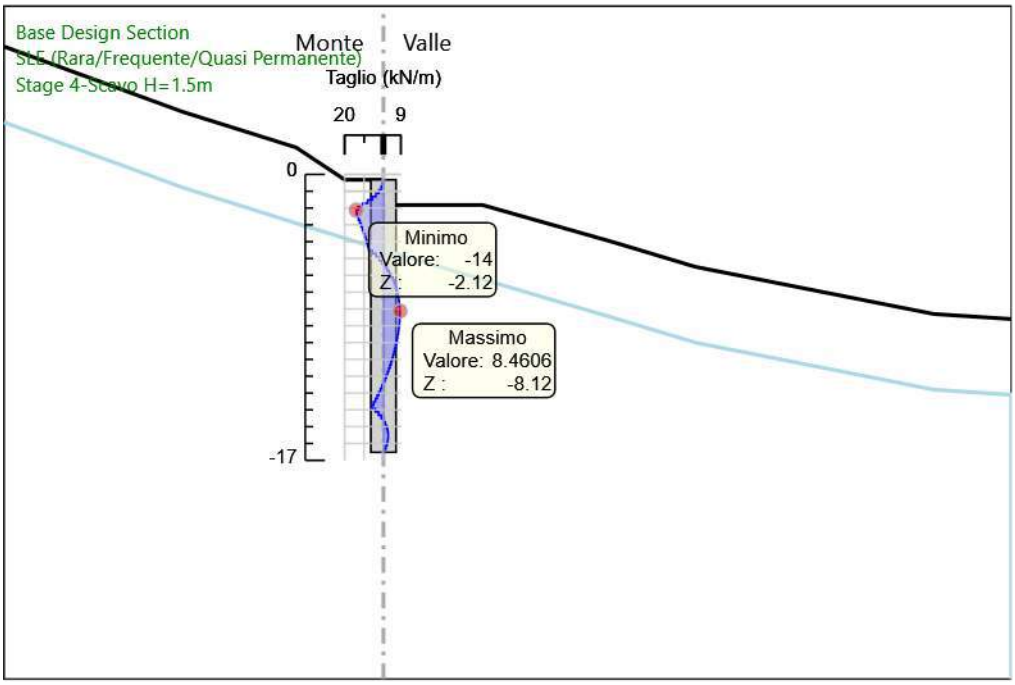
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 2-Prescavo
Taglio

6.1.31. Grafico Risultati Taglio SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 3-Paratia



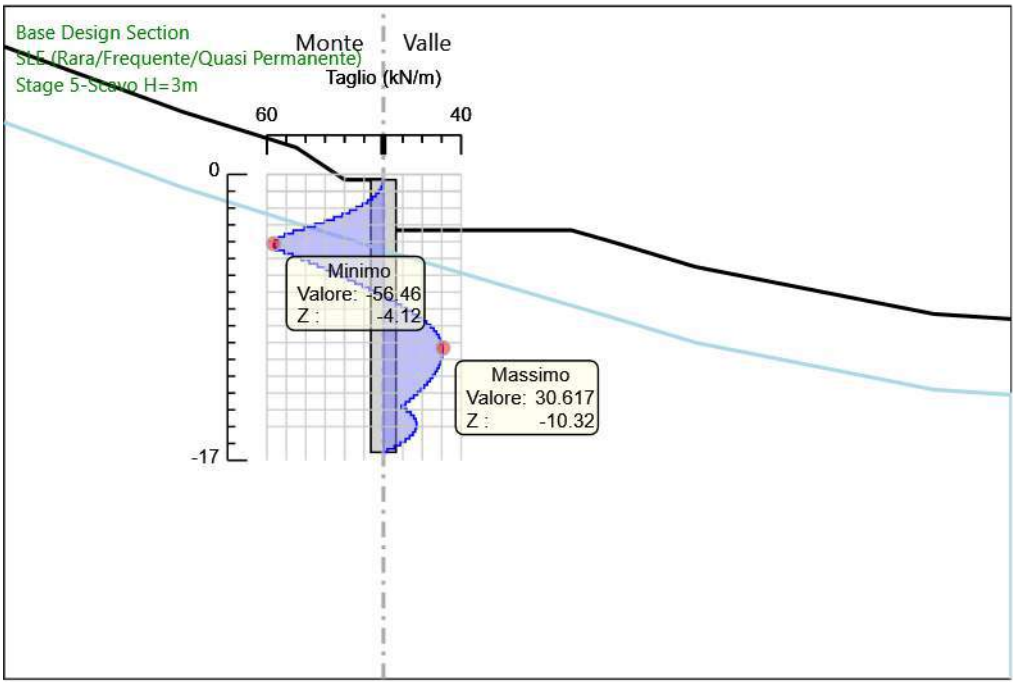
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 3-Paratia
Taglio

6.1.32. Grafico Risultati Taglio SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 4-Scavo H=1.5m



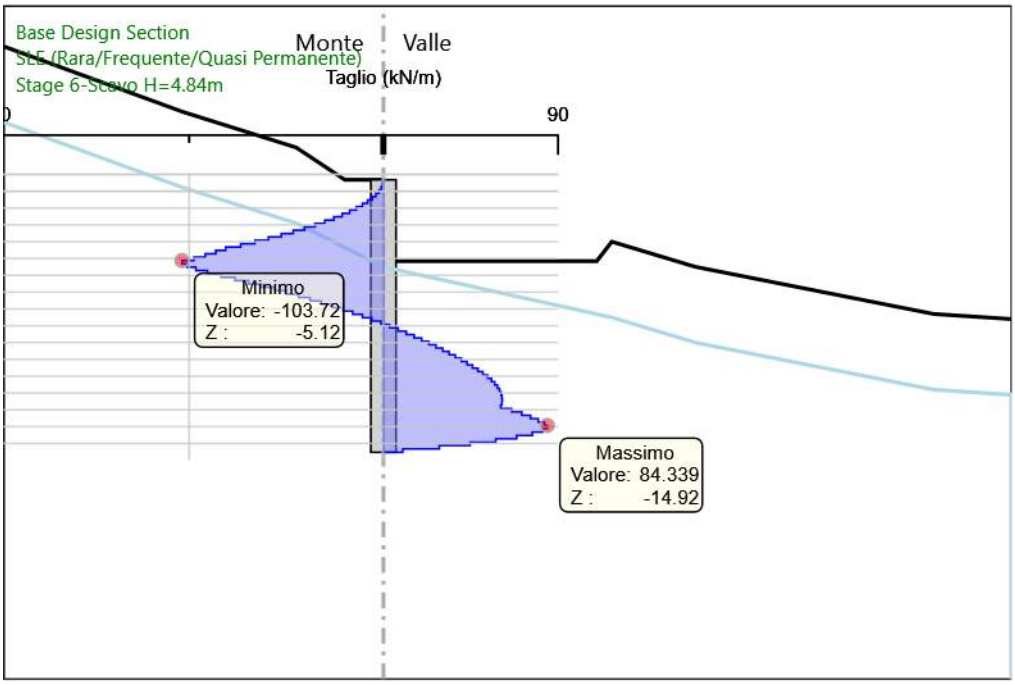
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 4-Scavo H=1.5m
Taglio

6.1.33. Grafico Risultati Taglio SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 5-Scavo H=3m



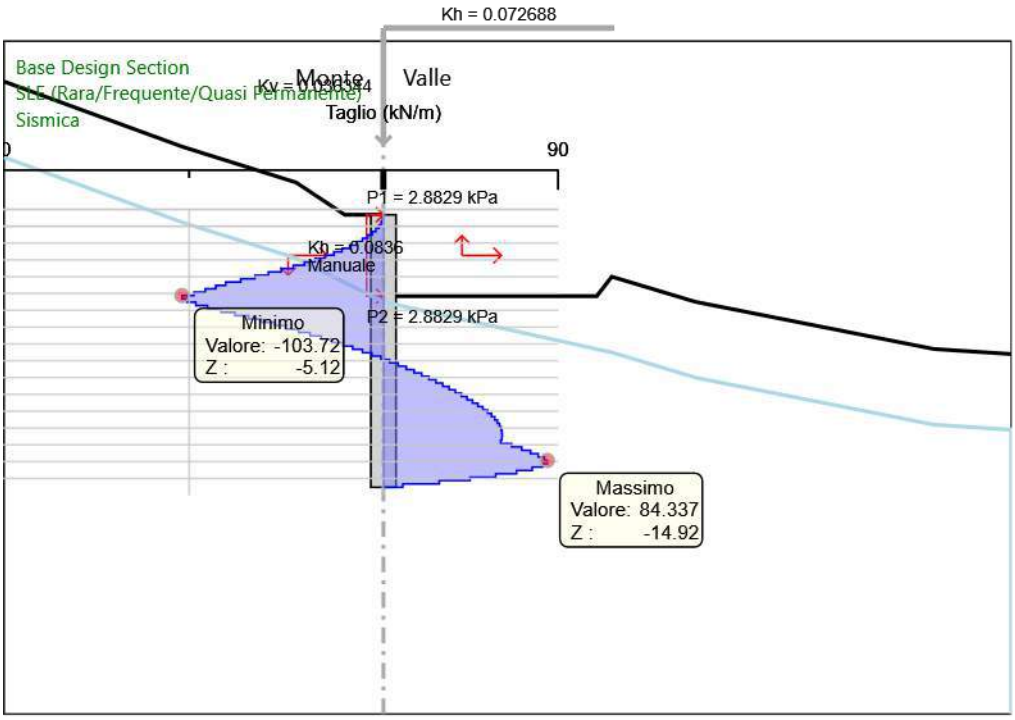
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 5-Scavo H=3m
Taglio

6.1.34. Grafico Risultati Taglio SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 6-Scavo H=4.84m



Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 6-Scavo H=4.84m
Taglio

6.1.35. Grafico Risultati Taglio SLE (Rara/Frequente/Quasi Permanente) - Stage: Sismica



Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Sismica
Taglio

6.2. Risultati A1+M1+R1 (R3 per tiranti)

6.2.1. 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	-0.32	0	0
Stage 1	-0.52	0	0
Stage 1	-0.72	0	0
Stage 1	-0.92	0	0
Stage 1	-1.12	0	0
Stage 1	-1.32	0	0
Stage 1	-1.52	0	0
Stage 1	-1.72	0	0
Stage 1	-1.92	0	0
Stage 1	-2.12	0	0
Stage 1	-2.32	0	0
Stage 1	-2.52	0	0
Stage 1	-2.72	0	0
Stage 1	-2.92	0	0
Stage 1	-3.12	0	0
Stage 1	-3.32	0	0
Stage 1	-3.52	0	0
Stage 1	-3.72	0	0
Stage 1	-3.92	0	0
Stage 1	-4.12	0	0
Stage 1	-4.32	0	0
Stage 1	-4.52	0	0
Stage 1	-4.72	0	0
Stage 1	-4.92	0	0
Stage 1	-5.12	0	0
Stage 1	-5.32	0	0
Stage 1	-5.52	0	0
Stage 1	-5.72	0	0
Stage 1	-5.92	0	0
Stage 1	-6.12	0	0
Stage 1	-6.32	0	0
Stage 1	-6.52	0	0
Stage 1	-6.72	0	0
Stage 1	-6.92	0	0
Stage 1	-7.12	0	0
Stage 1	-7.32	0	0
Stage 1	-7.52	0	0
Stage 1	-7.72	0	0
Stage 1	-7.92	0	0
Stage 1	-8.12	0	0
Stage 1	-8.32	0	0
Stage 1	-8.52	0	0
Stage 1	-8.72	0	0
Stage 1	-8.92	0	0
Stage 1	-9.12	0	0
Stage 1	-9.32	0	0
Stage 1	-9.52	0	0
Stage 1	-9.72	0	0
Stage 1	-9.92	0	0
Stage 1	-10.12	0	0
Stage 1	-10.32	0	0
Stage 1	-10.52	0	0
Stage 1	-10.72	0	0
Stage 1	-10.92	0	0
Stage 1	-11.12	0	0
Stage 1	-11.32	0	0
Stage 1	-11.52	0	0
Stage 1	-11.72	0	0
Stage 1	-11.92	0	0
Stage 1	-12.12	0	0
Stage 1	-12.32	0	0
Stage 1	-12.52	0	0
Stage 1	-12.72	0	0
Stage 1	-12.92	0	0

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	-13.12	0	0
Stage 1	-13.32	0	0
Stage 1	-13.52	0	0
Stage 1	-13.72	0	0
Stage 1	-13.92	0	0
Stage 1	-14.12	0	0
Stage 1	-14.32	0	0
Stage 1	-14.52	0	0
Stage 1	-14.72	0	0
Stage 1	-14.92	0	0
Stage 1	-15.12	0	0
Stage 1	-15.32	0	0
Stage 1	-15.52	0	0
Stage 1	-15.72	0	0
Stage 1	-15.92	0	0
Stage 1	-16.12	0	0
Stage 1	-16.32	0	0
Stage 1	-16.52	0	0

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

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2-Prescavo	-0.32	0	0
Stage 2-Prescavo	-0.52	0	0
Stage 2-Prescavo	-0.72	0	0
Stage 2-Prescavo	-0.92	0	0
Stage 2-Prescavo	-1.12	0	0
Stage 2-Prescavo	-1.32	0	0
Stage 2-Prescavo	-1.52	0	0
Stage 2-Prescavo	-1.72	0	0
Stage 2-Prescavo	-1.92	0	0
Stage 2-Prescavo	-2.12	0	0
Stage 2-Prescavo	-2.32	0	0
Stage 2-Prescavo	-2.52	0	0
Stage 2-Prescavo	-2.72	0	0
Stage 2-Prescavo	-2.92	0	0
Stage 2-Prescavo	-3.12	0	0
Stage 2-Prescavo	-3.32	0	0
Stage 2-Prescavo	-3.52	0	0
Stage 2-Prescavo	-3.72	0	0
Stage 2-Prescavo	-3.92	0	0
Stage 2-Prescavo	-4.12	0	0
Stage 2-Prescavo	-4.32	0	0
Stage 2-Prescavo	-4.52	0	0
Stage 2-Prescavo	-4.72	0	0
Stage 2-Prescavo	-4.92	0	0
Stage 2-Prescavo	-5.12	0	0
Stage 2-Prescavo	-5.32	0	0
Stage 2-Prescavo	-5.52	0	0
Stage 2-Prescavo	-5.72	0	0
Stage 2-Prescavo	-5.92	0	0
Stage 2-Prescavo	-6.12	0	0
Stage 2-Prescavo	-6.32	0	0
Stage 2-Prescavo	-6.52	0	0
Stage 2-Prescavo	-6.72	0	0
Stage 2-Prescavo	-6.92	0	0
Stage 2-Prescavo	-7.12	0	0
Stage 2-Prescavo	-7.32	0	0
Stage 2-Prescavo	-7.52	0	0
Stage 2-Prescavo	-7.72	0	0
Stage 2-Prescavo	-7.92	0	0
Stage 2-Prescavo	-8.12	0	0
Stage 2-Prescavo	-8.32	0	0
Stage 2-Prescavo	-8.52	0	0
Stage 2-Prescavo	-8.72	0	0
Stage 2-Prescavo	-8.92	0	0
Stage 2-Prescavo	-9.12	0	0
Stage 2-Prescavo	-9.32	0	0
Stage 2-Prescavo	-9.52	0	0
Stage 2-Prescavo	-9.72	0	0
Stage 2-Prescavo	-9.92	0	0
Stage 2-Prescavo	-10.12	0	0
Stage 2-Prescavo	-10.32	0	0
Stage 2-Prescavo	-10.52	0	0
Stage 2-Prescavo	-10.72	0	0
Stage 2-Prescavo	-10.92	0	0
Stage 2-Prescavo	-11.12	0	0
Stage 2-Prescavo	-11.32	0	0
Stage 2-Prescavo	-11.52	0	0
Stage 2-Prescavo	-11.72	0	0
Stage 2-Prescavo	-11.92	0	0
Stage 2-Prescavo	-12.12	0	0
Stage 2-Prescavo	-12.32	0	0
Stage 2-Prescavo	-12.52	0	0
Stage 2-Prescavo	-12.72	0	0
Stage 2-Prescavo	-12.92	0	0
Stage 2-Prescavo	-13.12	0	0
Stage 2-Prescavo	-13.32	0	0
Stage 2-Prescavo	-13.52	0	0

Design Assumption: A1+M1+R1 (R3 per tiranti) Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2-Prescavo	-13.72	0	0
Stage 2-Prescavo	-13.92	0	0
Stage 2-Prescavo	-14.12	0	0
Stage 2-Prescavo	-14.32	0	0
Stage 2-Prescavo	-14.52	0	0
Stage 2-Prescavo	-14.72	0	0
Stage 2-Prescavo	-14.92	0	0
Stage 2-Prescavo	-15.12	0	0
Stage 2-Prescavo	-15.32	0	0
Stage 2-Prescavo	-15.52	0	0
Stage 2-Prescavo	-15.72	0	0
Stage 2-Prescavo	-15.92	0	0
Stage 2-Prescavo	-16.12	0	0
Stage 2-Prescavo	-16.32	0	0
Stage 2-Prescavo	-16.52	0	0

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

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-0.32	0	0
Stage 3-Paratia	-0.52	0	0
Stage 3-Paratia	-0.52	0	0
Stage 3-Paratia	-0.72	0	0
Stage 3-Paratia	-0.92	0	0
Stage 3-Paratia	-1.12	0	0
Stage 3-Paratia	-1.32	0	0
Stage 3-Paratia	-1.52	0	0
Stage 3-Paratia	-1.72	0	0
Stage 3-Paratia	-1.92	0	0
Stage 3-Paratia	-2.12	0	0
Stage 3-Paratia	-2.32	0	0
Stage 3-Paratia	-2.52	0	0
Stage 3-Paratia	-2.72	0	0
Stage 3-Paratia	-2.92	0	0
Stage 3-Paratia	-3.12	0	0
Stage 3-Paratia	-3.32	0	0
Stage 3-Paratia	-3.52	0	0
Stage 3-Paratia	-3.72	0	0
Stage 3-Paratia	-3.92	0	0
Stage 3-Paratia	-4.12	0	0
Stage 3-Paratia	-4.32	0	0
Stage 3-Paratia	-4.32	0	0
Stage 3-Paratia	-4.52	0	0
Stage 3-Paratia	-4.52	0	0
Stage 3-Paratia	-4.72	0	0
Stage 3-Paratia	-4.72	0	0
Stage 3-Paratia	-4.92	0	0
Stage 3-Paratia	-4.92	0	0
Stage 3-Paratia	-5.12	0	0
Stage 3-Paratia	-5.12	0	0
Stage 3-Paratia	-5.32	0	0
Stage 3-Paratia	-5.32	0	0
Stage 3-Paratia	-5.52	0	0
Stage 3-Paratia	-5.52	0	0
Stage 3-Paratia	-5.72	0	0
Stage 3-Paratia	-5.72	0	0
Stage 3-Paratia	-5.92	0	0
Stage 3-Paratia	-5.92	0	0
Stage 3-Paratia	-6.12	0	0
Stage 3-Paratia	-6.12	0	0
Stage 3-Paratia	-6.32	0	0
Stage 3-Paratia	-6.32	0	0
Stage 3-Paratia	-6.52	0	0
Stage 3-Paratia	-6.52	0	0
Stage 3-Paratia	-6.72	0	0
Stage 3-Paratia	-6.72	0	0
Stage 3-Paratia	-6.92	0	0
Stage 3-Paratia	-6.92	0	0
Stage 3-Paratia	-7.12	0	0
Stage 3-Paratia	-7.12	0	0
Stage 3-Paratia	-7.32	0	0
Stage 3-Paratia	-7.32	0	0
Stage 3-Paratia	-7.52	0	0
Stage 3-Paratia	-7.52	0	0
Stage 3-Paratia	-7.72	0	0
Stage 3-Paratia	-7.72	0	0
Stage 3-Paratia	-7.92	0	0
Stage 3-Paratia	-7.92	0	0
Stage 3-Paratia	-8.12	0	0
Stage 3-Paratia	-8.12	0	0
Stage 3-Paratia	-8.32	0	0
Stage 3-Paratia	-8.32	0	0
Stage 3-Paratia	-8.52	0	0
Stage 3-Paratia	-8.52	0	0
Stage 3-Paratia	-8.72	0	0
Stage 3-Paratia	-8.72	0	0

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-8.92	0	0
Stage 3-Paratia	-8.92	0	0
Stage 3-Paratia	-9.12	0	0
Stage 3-Paratia	-9.12	0	0
Stage 3-Paratia	-9.32	0	0
Stage 3-Paratia	-9.32	0	0
Stage 3-Paratia	-9.52	0	0
Stage 3-Paratia	-9.52	0	0
Stage 3-Paratia	-9.72	0	0
Stage 3-Paratia	-9.72	0	0
Stage 3-Paratia	-9.92	0	0
Stage 3-Paratia	-9.92	0	0
Stage 3-Paratia	-10.12	0	0
Stage 3-Paratia	-10.12	0	0
Stage 3-Paratia	-10.32	0	0
Stage 3-Paratia	-10.32	0	0
Stage 3-Paratia	-10.52	0	0
Stage 3-Paratia	-10.52	0	0
Stage 3-Paratia	-10.72	0	0
Stage 3-Paratia	-10.72	0	0
Stage 3-Paratia	-10.92	0	0
Stage 3-Paratia	-10.92	0	0
Stage 3-Paratia	-11.12	0	0
Stage 3-Paratia	-11.12	0	0
Stage 3-Paratia	-11.32	0	0
Stage 3-Paratia	-11.32	0	0
Stage 3-Paratia	-11.52	0	0
Stage 3-Paratia	-11.52	0	0
Stage 3-Paratia	-11.72	0	0
Stage 3-Paratia	-11.72	0	0
Stage 3-Paratia	-11.92	0	0
Stage 3-Paratia	-11.92	0	0
Stage 3-Paratia	-12.12	0	0
Stage 3-Paratia	-12.12	0	0
Stage 3-Paratia	-12.32	0	0
Stage 3-Paratia	-12.32	0	0
Stage 3-Paratia	-12.52	0	0
Stage 3-Paratia	-12.52	0	0
Stage 3-Paratia	-12.72	0	0
Stage 3-Paratia	-12.72	0	0
Stage 3-Paratia	-12.92	0	0
Stage 3-Paratia	-12.92	0	0
Stage 3-Paratia	-13.12	0	0
Stage 3-Paratia	-13.12	0	0
Stage 3-Paratia	-13.32	0	0
Stage 3-Paratia	-13.32	0	0
Stage 3-Paratia	-13.52	0	0
Stage 3-Paratia	-13.52	0	0
Stage 3-Paratia	-13.72	0	0
Stage 3-Paratia	-13.72	0	0
Stage 3-Paratia	-13.92	0	0
Stage 3-Paratia	-13.92	0	0
Stage 3-Paratia	-14.12	0	0
Stage 3-Paratia	-14.12	0	0
Stage 3-Paratia	-14.32	0	0
Stage 3-Paratia	-14.32	0	0
Stage 3-Paratia	-14.52	0	0
Stage 3-Paratia	-14.52	0	0
Stage 3-Paratia	-14.72	0	0
Stage 3-Paratia	-14.72	0	0
Stage 3-Paratia	-14.92	0	0
Stage 3-Paratia	-14.92	0	0
Stage 3-Paratia	-15.12	0	0
Stage 3-Paratia	-15.12	0	0
Stage 3-Paratia	-15.32	0	0
Stage 3-Paratia	-15.32	0	0
Stage 3-Paratia	-15.52	0	0
Stage 3-Paratia	-15.52	0	0
Stage 3-Paratia	-15.72	0	0
Stage 3-Paratia	-15.72	0	0
Stage 3-Paratia	-15.92	0	0

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 3-Paratia	-15.92	0	0
Stage 3-Paratia	-16.12	0	0
Stage 3-Paratia	-16.12	0	0
Stage 3-Paratia	-16.32	0	0
Stage 3-Paratia	-16.32	0	0
Stage 3-Paratia	-16.52	0	0

6.2.4. Tabella Risultati Paratia A1+M1+R1 (R3 per tiranti) - Left Wall - Stage: Stage 4-Scavo H=1.5m

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=1.5m	-0.32	0	0
Stage 4-Scavo H=1.5m	-0.52	0	0
Stage 4-Scavo H=1.5m	-0.52	0	0
Stage 4-Scavo H=1.5m	-0.72	-0.1	-0.5
Stage 4-Scavo H=1.5m	-0.92	-0.4	-1.51
Stage 4-Scavo H=1.5m	-1.12	-1.01	-3.02
Stage 4-Scavo H=1.5m	-1.32	-2.01	-5.03
Stage 4-Scavo H=1.5m	-1.52	-3.52	-7.54
Stage 4-Scavo H=1.5m	-1.72	-5.63	-10.56
Stage 4-Scavo H=1.5m	-1.92	-8.45	-14.08
Stage 4-Scavo H=1.5m	-2.12	-11.85	-17
Stage 4-Scavo H=1.5m	-2.32	-15.49	-18.2
Stage 4-Scavo H=1.5m	-2.52	-19.03	-17.69
Stage 4-Scavo H=1.5m	-2.72	-22.37	-16.74
Stage 4-Scavo H=1.5m	-2.92	-25.54	-15.81
Stage 4-Scavo H=1.5m	-3.12	-28.52	-14.92
Stage 4-Scavo H=1.5m	-3.32	-31.33	-14.07
Stage 4-Scavo H=1.5m	-3.52	-33.99	-13.26
Stage 4-Scavo H=1.5m	-3.72	-36.48	-12.49
Stage 4-Scavo H=1.5m	-3.92	-38.83	-11.76
Stage 4-Scavo H=1.5m	-4.12	-41.05	-11.07
Stage 4-Scavo H=1.5m	-4.32	-43.14	-10.43
Stage 4-Scavo H=1.5m	-4.52	-45.11	-9.86
Stage 4-Scavo H=1.5m	-4.72	-46.57	-7.3
Stage 4-Scavo H=1.5m	-4.92	-47.56	-4.95
Stage 4-Scavo H=1.5m	-5.12	-48.12	-2.81
Stage 4-Scavo H=1.5m	-5.32	-48.29	-0.86
Stage 4-Scavo H=1.5m	-5.52	-48.11	0.91
Stage 4-Scavo H=1.5m	-5.72	-47.61	2.5
Stage 4-Scavo H=1.5m	-5.92	-46.83	3.92
Stage 4-Scavo H=1.5m	-6.12	-45.79	5.19
Stage 4-Scavo H=1.5m	-6.32	-44.53	6.3
Stage 4-Scavo H=1.5m	-6.52	-43.08	7.27
Stage 4-Scavo H=1.5m	-6.72	-41.45	8.12
Stage 4-Scavo H=1.5m	-6.92	-39.69	8.83
Stage 4-Scavo H=1.5m	-7.12	-37.8	9.43
Stage 4-Scavo H=1.5m	-7.32	-35.81	9.93
Stage 4-Scavo H=1.5m	-7.52	-33.75	10.32
Stage 4-Scavo H=1.5m	-7.72	-31.63	10.62
Stage 4-Scavo H=1.5m	-7.92	-29.46	10.82
Stage 4-Scavo H=1.5m	-8.12	-27.27	10.95
Stage 4-Scavo H=1.5m	-8.32	-25.07	11
Stage 4-Scavo H=1.5m	-8.52	-22.88	10.98
Stage 4-Scavo H=1.5m	-8.72	-20.7	10.89
Stage 4-Scavo H=1.5m	-8.92	-18.55	10.74
Stage 4-Scavo H=1.5m	-9.12	-16.45	10.53
Stage 4-Scavo H=1.5m	-9.32	-14.39	10.26
Stage 4-Scavo H=1.5m	-9.52	-12.4	9.95
Stage 4-Scavo H=1.5m	-9.72	-10.49	9.58
Stage 4-Scavo H=1.5m	-9.92	-8.65	9.17
Stage 4-Scavo H=1.5m	-10.12	-6.91	8.71
Stage 4-Scavo H=1.5m	-10.32	-5.27	8.21
Stage 4-Scavo H=1.5m	-10.52	-3.73	7.67
Stage 4-Scavo H=1.5m	-10.72	-2.32	7.09
Stage 4-Scavo H=1.5m	-10.92	-1.02	6.47
Stage 4-Scavo H=1.5m	-11.12	0.14	5.8
Stage 4-Scavo H=1.5m	-11.32	1.16	5.1
Stage 4-Scavo H=1.5m	-11.52	2.03	4.36
Stage 4-Scavo H=1.5m	-11.72	2.74	3.57
Stage 4-Scavo H=1.5m	-11.92	3.29	2.75
Stage 4-Scavo H=1.5m	-12.12	3.67	1.89
Stage 4-Scavo H=1.5m	-12.32	3.87	0.98
Stage 4-Scavo H=1.5m	-12.52	3.87	0.03
Stage 4-Scavo H=1.5m	-12.72	3.68	-0.96
Stage 4-Scavo H=1.5m	-12.92	3.28	-2

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 4-Scavo H=1.5m	-13.12	2.67	-3.08
Stage 4-Scavo H=1.5m	-13.32	1.83	-4.2
Stage 4-Scavo H=1.5m	-13.52	0.75	-5.38
Stage 4-Scavo H=1.5m	-13.72	-0.57	-6.6
Stage 4-Scavo H=1.5m	-13.92	-2.14	-7.86
Stage 4-Scavo H=1.5m	-14.12	-3.22	-5.4
Stage 4-Scavo H=1.5m	-14.32	-3.87	-3.26
Stage 4-Scavo H=1.5m	-14.52	-4.16	-1.44
Stage 4-Scavo H=1.5m	-14.72	-4.14	0.08
Stage 4-Scavo H=1.5m	-14.92	-3.88	1.3
Stage 4-Scavo H=1.5m	-15.12	-3.44	2.22
Stage 4-Scavo H=1.5m	-15.32	-2.87	2.85
Stage 4-Scavo H=1.5m	-15.52	-2.23	3.19
Stage 4-Scavo H=1.5m	-15.72	-1.59	3.24
Stage 4-Scavo H=1.5m	-15.92	-0.98	3.02
Stage 4-Scavo H=1.5m	-16.12	-0.48	2.51
Stage 4-Scavo H=1.5m	-16.32	-0.13	1.73
Stage 4-Scavo H=1.5m	-16.52	0	0.67

6.2.5. Tabella Risultati Paratia A1+M1+R1 (R3 per tiranti) - Left Wall - Stage: Stage 5-Scavo H=3m

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=3m	-0.32	0	0
Stage 5-Scavo H=3m	-0.52	0	0
Stage 5-Scavo H=3m	-0.52	0	0
Stage 5-Scavo H=3m	-0.72	-0.1	-0.5
Stage 5-Scavo H=3m	-0.92	-0.4	-1.51
Stage 5-Scavo H=3m	-1.12	-1.01	-3.02
Stage 5-Scavo H=3m	-1.32	-2.01	-5.03
Stage 5-Scavo H=3m	-1.52	-3.52	-7.54
Stage 5-Scavo H=3m	-1.72	-5.63	-10.56
Stage 5-Scavo H=3m	-1.92	-8.45	-14.08
Stage 5-Scavo H=3m	-2.12	-12.07	-18.1
Stage 5-Scavo H=3m	-2.32	-16.6	-22.63
Stage 5-Scavo H=3m	-2.52	-22.13	-27.66
Stage 5-Scavo H=3m	-2.72	-28.77	-33.19
Stage 5-Scavo H=3m	-2.92	-36.61	-39.23
Stage 5-Scavo H=3m	-3.12	-45.76	-45.76
Stage 5-Scavo H=3m	-3.32	-56.32	-52.8
Stage 5-Scavo H=3m	-3.52	-68.39	-60.35
Stage 5-Scavo H=3m	-3.72	-81.63	-66.18
Stage 5-Scavo H=3m	-3.92	-95.69	-70.3
Stage 5-Scavo H=3m	-4.12	-110.23	-72.7
Stage 5-Scavo H=3m	-4.32	-124.91	-73.4
Stage 5-Scavo H=3m	-4.52	-139.39	-72.38
Stage 5-Scavo H=3m	-4.72	-152.67	-66.41
Stage 5-Scavo H=3m	-4.92	-164.8	-60.68
Stage 5-Scavo H=3m	-5.12	-175.82	-55.07
Stage 5-Scavo H=3m	-5.32	-185.73	-49.57
Stage 5-Scavo H=3m	-5.52	-194.57	-44.19
Stage 5-Scavo H=3m	-5.72	-202.35	-38.93
Stage 5-Scavo H=3m	-5.92	-209.11	-33.77
Stage 5-Scavo H=3m	-6.12	-214.85	-28.71
Stage 5-Scavo H=3m	-6.32	-219.6	-23.76
Stage 5-Scavo H=3m	-6.52	-223.38	-18.91
Stage 5-Scavo H=3m	-6.72	-226.21	-14.15
Stage 5-Scavo H=3m	-6.92	-228.11	-9.48
Stage 5-Scavo H=3m	-7.12	-229.09	-4.91
Stage 5-Scavo H=3m	-7.32	-229.17	-0.41
Stage 5-Scavo H=3m	-7.52	-228.37	4
Stage 5-Scavo H=3m	-7.72	-226.73	8.22
Stage 5-Scavo H=3m	-7.92	-224.29	12.21
Stage 5-Scavo H=3m	-8.12	-221.09	15.97
Stage 5-Scavo H=3m	-8.32	-217.19	19.52
Stage 5-Scavo H=3m	-8.52	-212.62	22.86
Stage 5-Scavo H=3m	-8.72	-207.41	26.01
Stage 5-Scavo H=3m	-8.92	-201.62	28.98
Stage 5-Scavo H=3m	-9.12	-195.3	31.59
Stage 5-Scavo H=3m	-9.32	-188.54	33.8
Stage 5-Scavo H=3m	-9.52	-181.41	35.64
Stage 5-Scavo H=3m	-9.72	-173.99	37.11
Stage 5-Scavo H=3m	-9.92	-166.34	38.25
Stage 5-Scavo H=3m	-10.12	-158.53	39.06
Stage 5-Scavo H=3m	-10.32	-150.61	39.57
Stage 5-Scavo H=3m	-10.52	-142.65	39.8
Stage 5-Scavo H=3m	-10.72	-134.7	39.76
Stage 5-Scavo H=3m	-10.92	-126.81	39.46
Stage 5-Scavo H=3m	-11.12	-119.02	38.93
Stage 5-Scavo H=3m	-11.32	-111.39	38.16
Stage 5-Scavo H=3m	-11.52	-103.95	37.18
Stage 5-Scavo H=3m	-11.72	-96.75	36
Stage 5-Scavo H=3m	-11.92	-89.83	34.62
Stage 5-Scavo H=3m	-12.12	-83.22	33.06
Stage 5-Scavo H=3m	-12.32	-76.95	31.33
Stage 5-Scavo H=3m	-12.52	-71.07	29.42
Stage 5-Scavo H=3m	-12.72	-65.59	27.36
Stage 5-Scavo H=3m	-12.92	-60.56	25.15
Stage 5-Scavo H=3m	-13.12	-56.01	22.79
Stage 5-Scavo H=3m	-13.32	-51.95	20.29

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 5-Scavo H=3m	-13.52	-48.42	17.65
Stage 5-Scavo H=3m	-13.72	-45.44	14.89
Stage 5-Scavo H=3m	-13.92	-43.04	12
Stage 5-Scavo H=3m	-14.12	-39.92	15.6
Stage 5-Scavo H=3m	-14.32	-36.24	18.4
Stage 5-Scavo H=3m	-14.52	-32.15	20.43
Stage 5-Scavo H=3m	-14.72	-27.81	21.7
Stage 5-Scavo H=3m	-14.92	-23.36	22.25
Stage 5-Scavo H=3m	-15.12	-18.94	22.1
Stage 5-Scavo H=3m	-15.32	-14.69	21.27
Stage 5-Scavo H=3m	-15.52	-10.73	19.77
Stage 5-Scavo H=3m	-15.72	-7.21	17.62
Stage 5-Scavo H=3m	-15.92	-4.25	14.81
Stage 5-Scavo H=3m	-16.12	-1.97	11.37
Stage 5-Scavo H=3m	-16.32	-0.51	7.29
Stage 5-Scavo H=3m	-16.52	0	2.57

6.2.6. Tabella Risultati Paratia A1+M1+R1 (R3 per tiranti) - Left Wall - Stage: Stage 6-Scavo H=4.84m

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=4.84m	-0.32	0	0
Stage 6-Scavo H=4.84m	-0.52	0	0
Stage 6-Scavo H=4.84m	-0.52	0	0
Stage 6-Scavo H=4.84m	-0.72	-0.1	-0.5
Stage 6-Scavo H=4.84m	-0.92	-0.4	-1.51
Stage 6-Scavo H=4.84m	-1.12	-1.01	-3.02
Stage 6-Scavo H=4.84m	-1.32	-2.01	-5.03
Stage 6-Scavo H=4.84m	-1.52	-3.52	-7.54
Stage 6-Scavo H=4.84m	-1.72	-5.63	-10.56
Stage 6-Scavo H=4.84m	-1.92	-8.45	-14.08
Stage 6-Scavo H=4.84m	-2.12	-12.07	-18.1
Stage 6-Scavo H=4.84m	-2.32	-16.6	-22.63
Stage 6-Scavo H=4.84m	-2.52	-22.13	-27.66
Stage 6-Scavo H=4.84m	-2.72	-28.77	-33.19
Stage 6-Scavo H=4.84m	-2.92	-36.61	-39.23
Stage 6-Scavo H=4.84m	-3.12	-45.76	-45.76
Stage 6-Scavo H=4.84m	-3.32	-56.32	-52.8
Stage 6-Scavo H=4.84m	-3.52	-68.39	-60.35
Stage 6-Scavo H=4.84m	-3.72	-82.07	-68.39
Stage 6-Scavo H=4.84m	-3.92	-97.46	-76.94
Stage 6-Scavo H=4.84m	-4.12	-114.66	-85.99
Stage 6-Scavo H=4.84m	-4.32	-133.77	-95.55
Stage 6-Scavo H=4.84m	-4.52	-154.89	-105.61
Stage 6-Scavo H=4.84m	-4.72	-177.33	-112.18
Stage 6-Scavo H=4.84m	-4.92	-201.18	-119.25
Stage 6-Scavo H=4.84m	-5.12	-226.54	-126.8
Stage 6-Scavo H=4.84m	-5.32	-253.51	-134.84
Stage 6-Scavo H=4.84m	-5.52	-279.79	-131.44
Stage 6-Scavo H=4.84m	-5.72	-304.9	-125.53
Stage 6-Scavo H=4.84m	-5.92	-328.45	-117.75
Stage 6-Scavo H=4.84m	-6.12	-350.18	-108.68
Stage 6-Scavo H=4.84m	-6.32	-370.06	-99.37
Stage 6-Scavo H=4.84m	-6.52	-388.12	-90.33
Stage 6-Scavo H=4.84m	-6.72	-404.43	-81.55
Stage 6-Scavo H=4.84m	-6.92	-419.04	-73.04
Stage 6-Scavo H=4.84m	-7.12	-432	-64.8
Stage 6-Scavo H=4.84m	-7.32	-443.36	-56.81
Stage 6-Scavo H=4.84m	-7.52	-453.18	-49.07
Stage 6-Scavo H=4.84m	-7.72	-461.49	-41.59
Stage 6-Scavo H=4.84m	-7.92	-468.36	-34.35
Stage 6-Scavo H=4.84m	-8.12	-473.83	-27.36
Stage 6-Scavo H=4.84m	-8.32	-477.95	-20.6
Stage 6-Scavo H=4.84m	-8.52	-480.77	-14.07
Stage 6-Scavo H=4.84m	-8.72	-482.32	-7.77
Stage 6-Scavo H=4.84m	-8.92	-482.66	-1.68
Stage 6-Scavo H=4.84m	-9.12	-481.82	4.18
Stage 6-Scavo H=4.84m	-9.32	-479.85	9.84
Stage 6-Scavo H=4.84m	-9.52	-476.8	15.29
Stage 6-Scavo H=4.84m	-9.72	-472.69	20.54
Stage 6-Scavo H=4.84m	-9.92	-467.57	25.6
Stage 6-Scavo H=4.84m	-10.12	-461.47	30.47
Stage 6-Scavo H=4.84m	-10.32	-454.44	35.15
Stage 6-Scavo H=4.84m	-10.52	-446.51	39.66
Stage 6-Scavo H=4.84m	-10.72	-437.71	43.99
Stage 6-Scavo H=4.84m	-10.92	-428.08	48.15
Stage 6-Scavo H=4.84m	-11.12	-417.65	52.15
Stage 6-Scavo H=4.84m	-11.32	-406.46	55.99
Stage 6-Scavo H=4.84m	-11.52	-394.52	59.67
Stage 6-Scavo H=4.84m	-11.72	-381.88	63.2
Stage 6-Scavo H=4.84m	-11.92	-368.56	66.59
Stage 6-Scavo H=4.84m	-12.12	-354.63	69.68
Stage 6-Scavo H=4.84m	-12.32	-340.16	72.32
Stage 6-Scavo H=4.84m	-12.52	-325.26	74.54
Stage 6-Scavo H=4.84m	-12.72	-309.99	76.33
Stage 6-Scavo H=4.84m	-12.92	-294.45	77.72

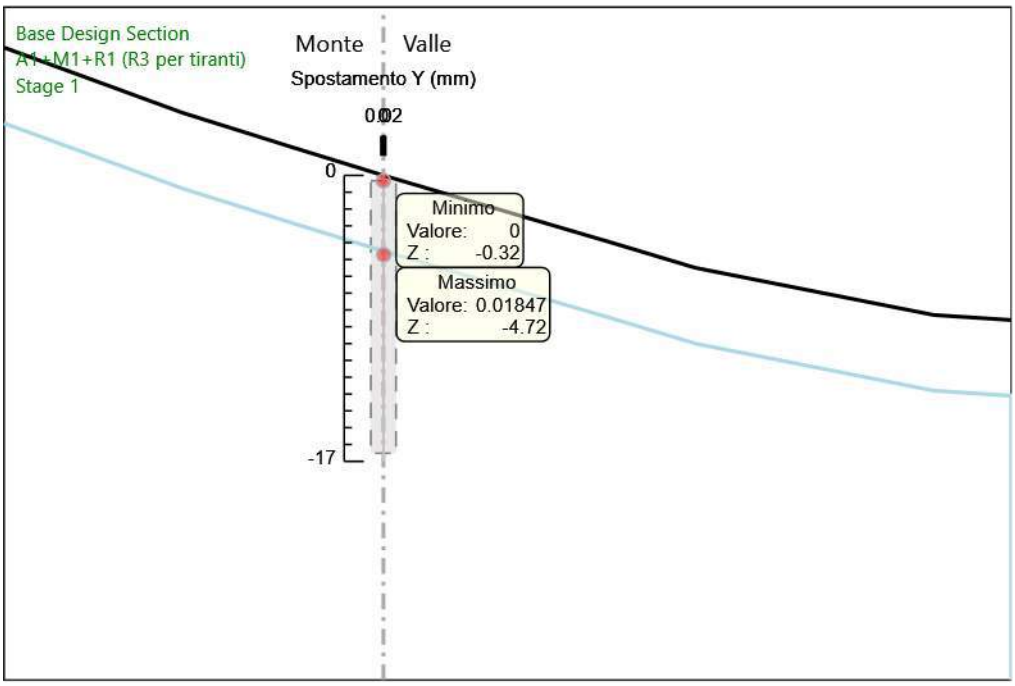
Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=4.84m	-13.12	-278.71	78.7
Stage 6-Scavo H=4.84m	-13.32	-262.85	79.3
Stage 6-Scavo H=4.84m	-13.52	-246.94	79.51
Stage 6-Scavo H=4.84m	-13.72	-231.08	79.34
Stage 6-Scavo H=4.84m	-13.92	-215.39	78.45
Stage 6-Scavo H=4.84m	-14.12	-198.2	85.92
Stage 6-Scavo H=4.84m	-14.32	-179.69	92.59
Stage 6-Scavo H=4.84m	-14.52	-159.99	98.47
Stage 6-Scavo H=4.84m	-14.72	-139.27	103.58
Stage 6-Scavo H=4.84m	-14.92	-117.72	107.76
Stage 6-Scavo H=4.84m	-15.12	-95.79	109.64
Stage 6-Scavo H=4.84m	-15.32	-74.46	106.66
Stage 6-Scavo H=4.84m	-15.52	-54.53	99.65
Stage 6-Scavo H=4.84m	-15.72	-36.7	89.14
Stage 6-Scavo H=4.84m	-15.92	-21.67	75.17
Stage 6-Scavo H=4.84m	-16.12	-10.07	57.99
Stage 6-Scavo H=4.84m	-16.32	-2.6	37.37
Stage 6-Scavo H=4.84m	-16.52	0	13

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

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sismica	-0.32	0	0
Sismica	-0.52	0	0
Sismica	-0.52	0	0
Sismica	-0.72	-0.1	-0.5
Sismica	-0.92	-0.4	-1.51
Sismica	-1.12	-1.01	-3.02
Sismica	-1.32	-2.01	-5.03
Sismica	-1.52	-3.52	-7.54
Sismica	-1.72	-5.63	-10.56
Sismica	-1.92	-8.45	-14.08
Sismica	-2.12	-12.07	-18.1
Sismica	-2.32	-16.6	-22.63
Sismica	-2.52	-22.13	-27.66
Sismica	-2.72	-28.77	-33.19
Sismica	-2.92	-36.61	-39.23
Sismica	-3.12	-45.76	-45.76
Sismica	-3.32	-56.32	-52.8
Sismica	-3.52	-68.39	-60.35
Sismica	-3.72	-82.07	-68.39
Sismica	-3.92	-97.46	-76.94
Sismica	-4.12	-114.66	-85.99
Sismica	-4.32	-133.77	-95.55
Sismica	-4.52	-154.89	-105.61
Sismica	-4.72	-177.33	-112.18
Sismica	-4.92	-201.18	-119.25
Sismica	-5.12	-226.54	-126.8
Sismica	-5.32	-253.51	-134.84
Sismica	-5.52	-279.79	-131.44
Sismica	-5.72	-304.9	-125.53
Sismica	-5.92	-328.45	-117.75
Sismica	-6.12	-350.18	-108.68
Sismica	-6.32	-370.06	-99.37
Sismica	-6.52	-388.12	-90.33
Sismica	-6.72	-404.43	-81.55
Sismica	-6.92	-419.04	-73.04
Sismica	-7.12	-432	-64.8
Sismica	-7.32	-443.36	-56.81
Sismica	-7.52	-453.18	-49.07
Sismica	-7.72	-461.49	-41.59
Sismica	-7.92	-468.36	-34.35
Sismica	-8.12	-473.83	-27.36
Sismica	-8.32	-477.95	-20.6
Sismica	-8.52	-480.77	-14.07
Sismica	-8.72	-482.32	-7.77
Sismica	-8.92	-482.66	-1.68
Sismica	-9.12	-481.82	4.18
Sismica	-9.32	-479.85	9.84
Sismica	-9.52	-476.79	15.29
Sismica	-9.72	-472.69	20.54
Sismica	-9.92	-467.57	25.6
Sismica	-10.12	-461.47	30.47
Sismica	-10.32	-454.44	35.15
Sismica	-10.52	-446.51	39.66
Sismica	-10.72	-437.71	43.99
Sismica	-10.92	-428.08	48.15
Sismica	-11.12	-417.65	52.15
Sismica	-11.32	-406.45	55.99
Sismica	-11.52	-394.52	59.67
Sismica	-11.72	-381.88	63.21
Sismica	-11.92	-368.56	66.59
Sismica	-12.12	-354.63	69.68
Sismica	-12.32	-340.16	72.32
Sismica	-12.52	-325.25	74.54
Sismica	-12.72	-309.99	76.33
Sismica	-12.92	-294.44	77.72
Sismica	-13.12	-278.7	78.7
Sismica	-13.32	-262.84	79.3

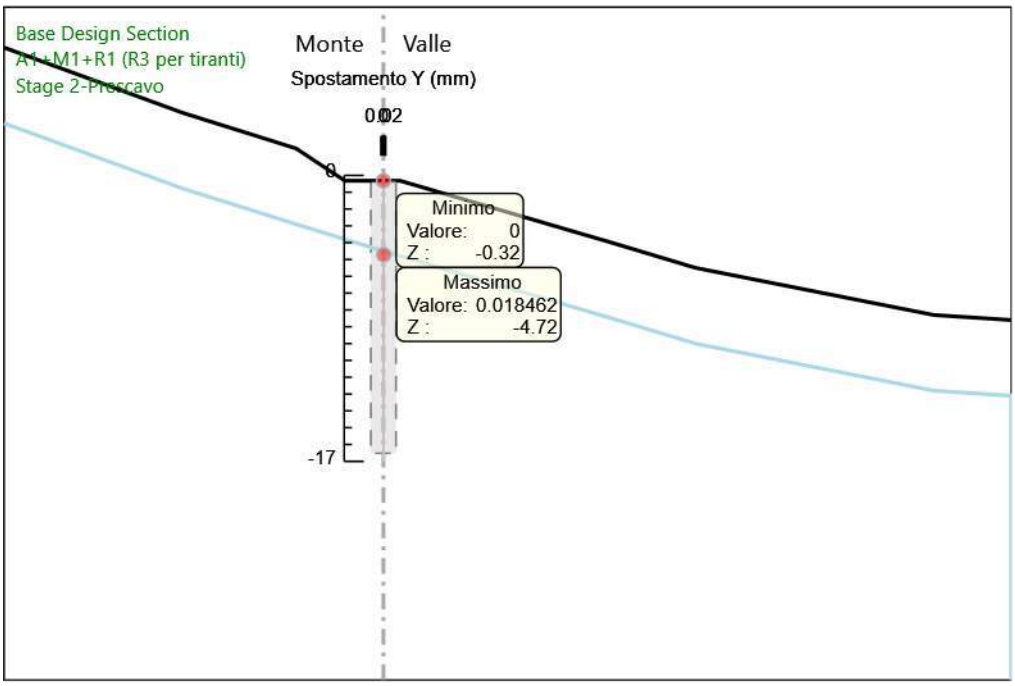
Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Sismica	-13.52	-246.94	79.51
Sismica	-13.72	-231.07	79.34
Sismica	-13.92	-215.38	78.45
Sismica	-14.12	-198.2	85.92
Sismica	-14.32	-179.68	92.59
Sismica	-14.52	-159.99	98.47
Sismica	-14.72	-139.27	103.58
Sismica	-14.92	-117.72	107.76
Sismica	-15.12	-95.79	109.64
Sismica	-15.32	-74.46	106.66
Sismica	-15.52	-54.53	99.64
Sismica	-15.72	-36.71	89.14
Sismica	-15.92	-21.67	75.17
Sismica	-16.12	-10.07	57.99
Sismica	-16.32	-2.6	37.37
Sismica	-16.52	0	13

6.2.8. Grafico Spostamento A1+M1+R1 (R3 per tiranti) - Stage: Stage 1



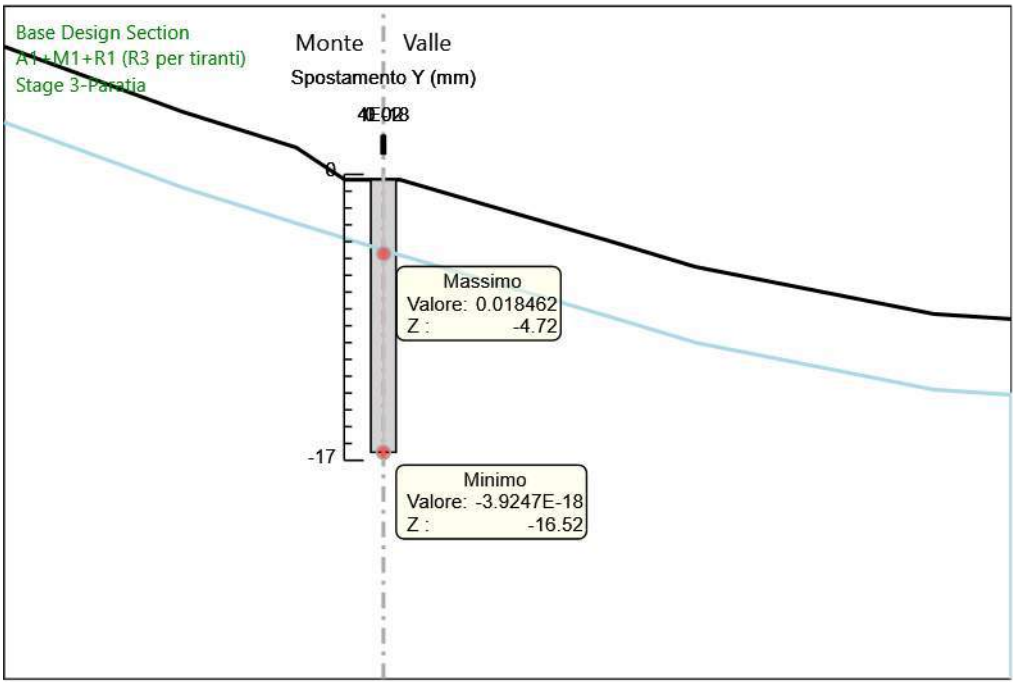
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 1
Spostamento orizzontale

6.2.9. Grafico Spostamento A1+M1+R1 (R3 per tiranti) - Stage: Stage 2-Prescavo



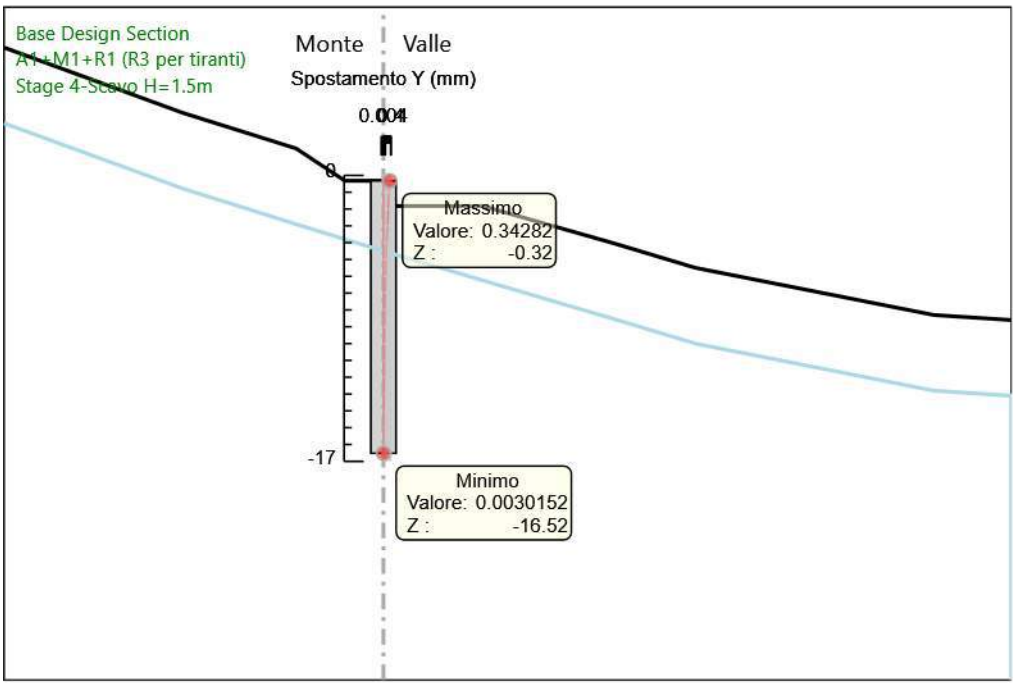
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 2-Prescavo
Spostamento orizzontale

6.2.10. Grafico Spostamento A1+M1+R1 (R3 per tiranti) - Stage: Stage 3-Paratia



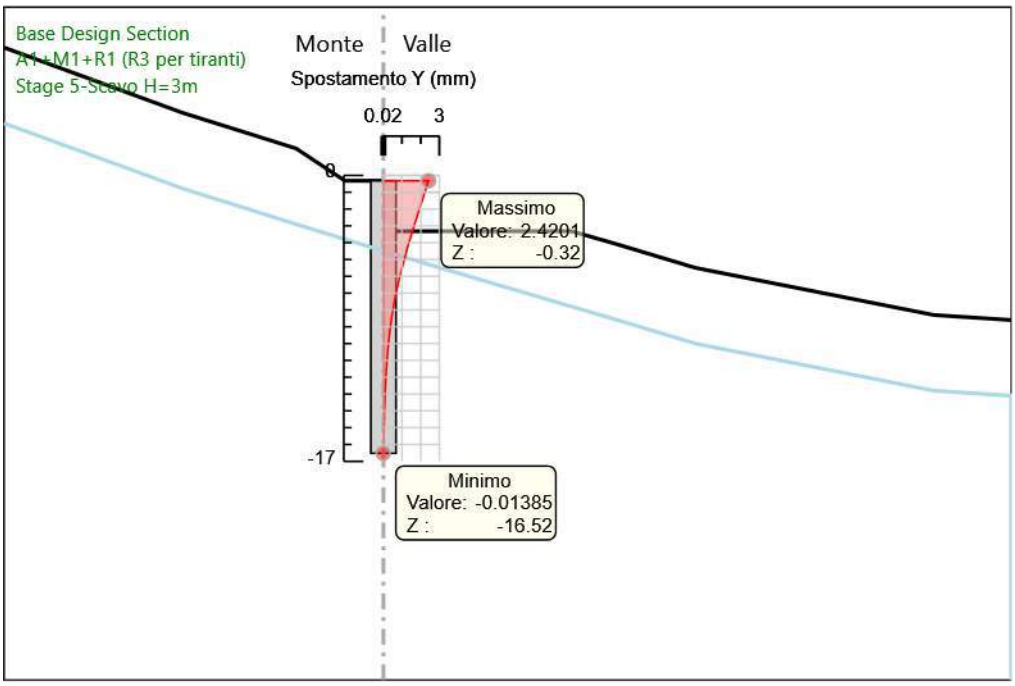
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 3-Paratia
Spostamento orizzontale

6.2.11. Grafico Spostamento A1+M1+R1 (R3 per tiranti) - Stage: Stage 4-Scavo H=1.5m



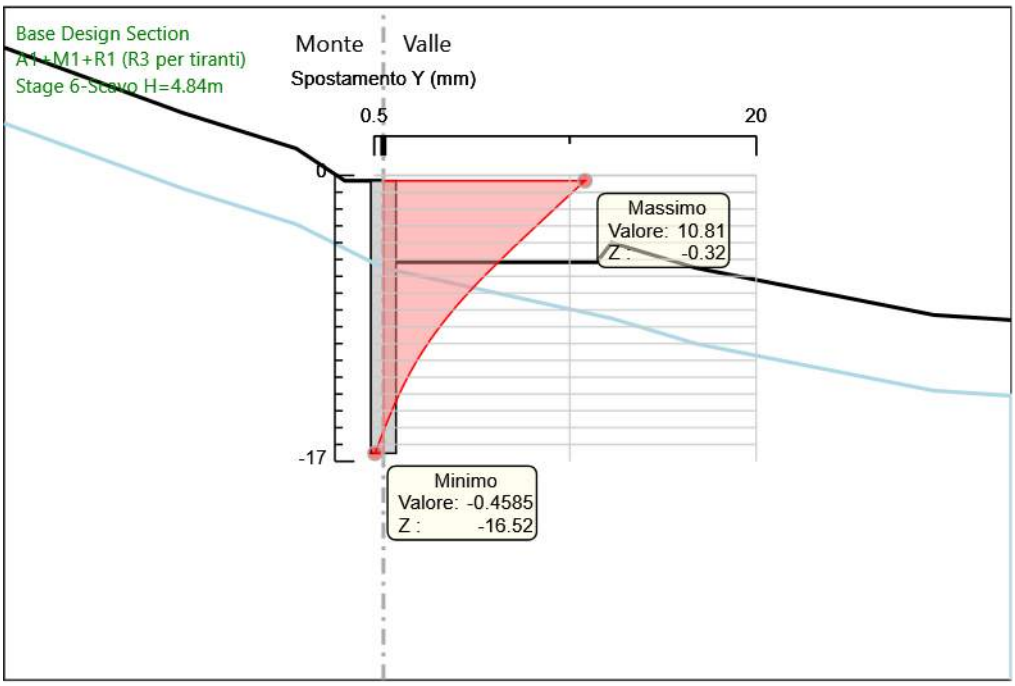
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 4-Scavo H=1.5m
Spostamento orizzontale

6.2.12. Grafico Spostamento A1+M1+R1 (R3 per tiranti) - Stage: Stage 5-Scavo H=3m



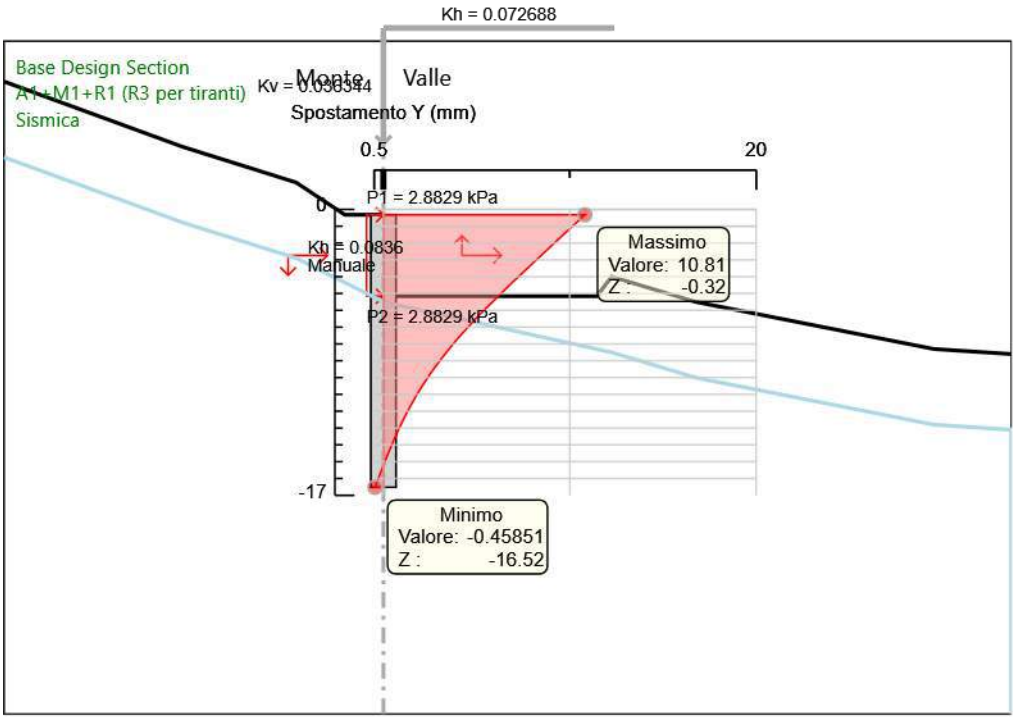
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 5-Scavo H=3m
Spostamento orizzontale

6.2.13. Grafico Spostamento A1+M1+R1 (R3 per tiranti) - Stage: Stage 6-Scavo H=4.84m



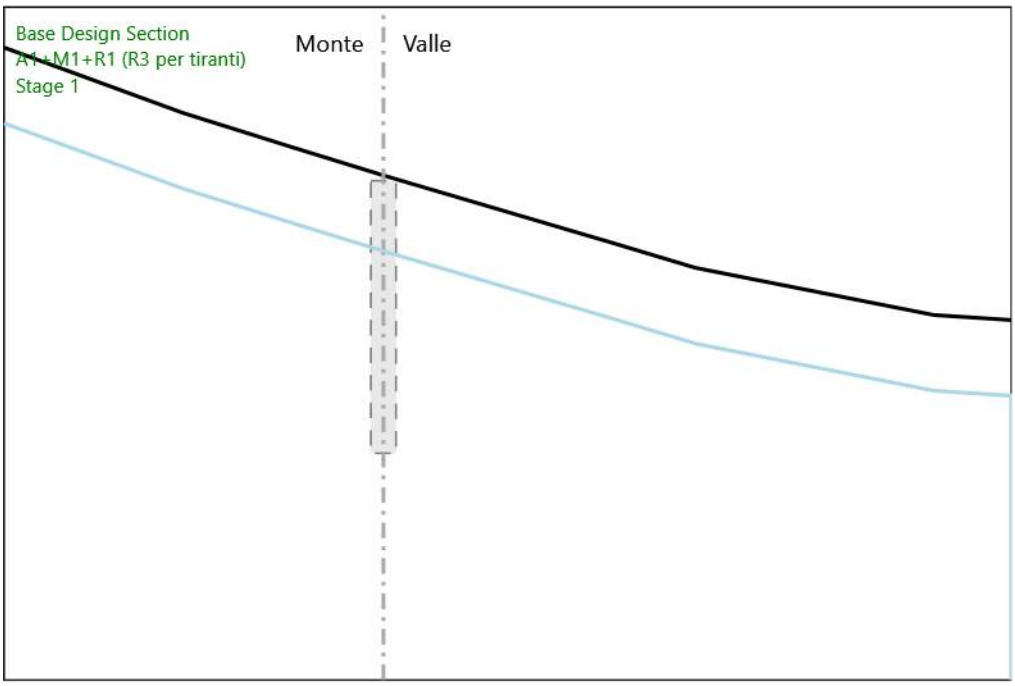
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 6-Scavo H=4.84m
Spostamento orizzontale

6.2.14. Grafico Spostamento A1+M1+R1 (R3 per tiranti) - Stage: Sismica



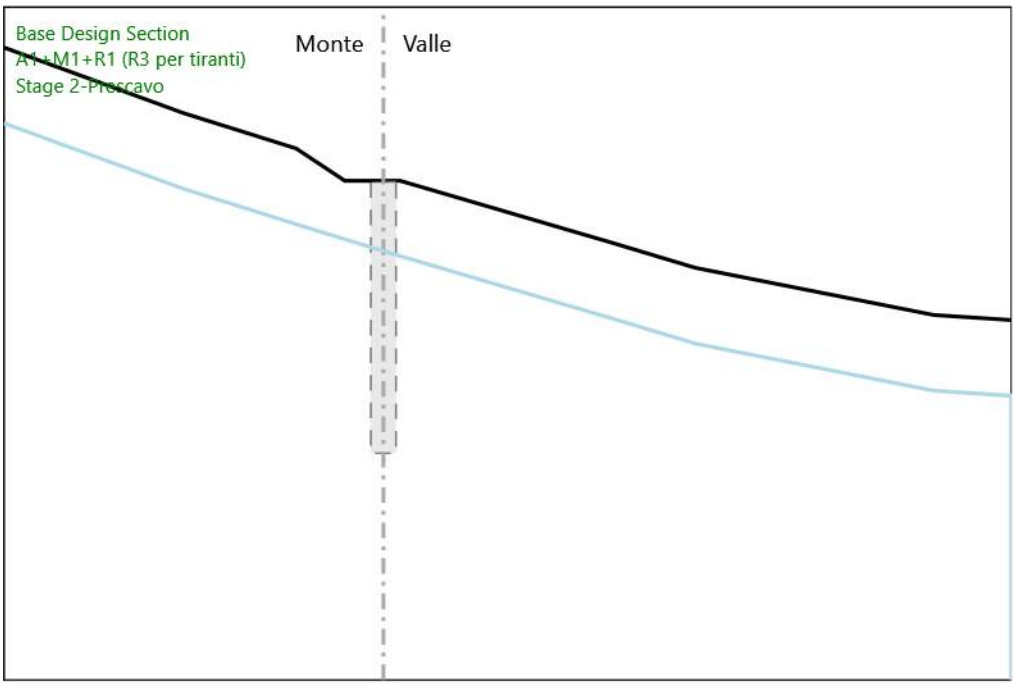
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Sismica
Spostamento orizzontale

6.2.15. Grafico Risultati Momento A1+M1+R1 (R3 per tiranti) - Stage: Stage 1



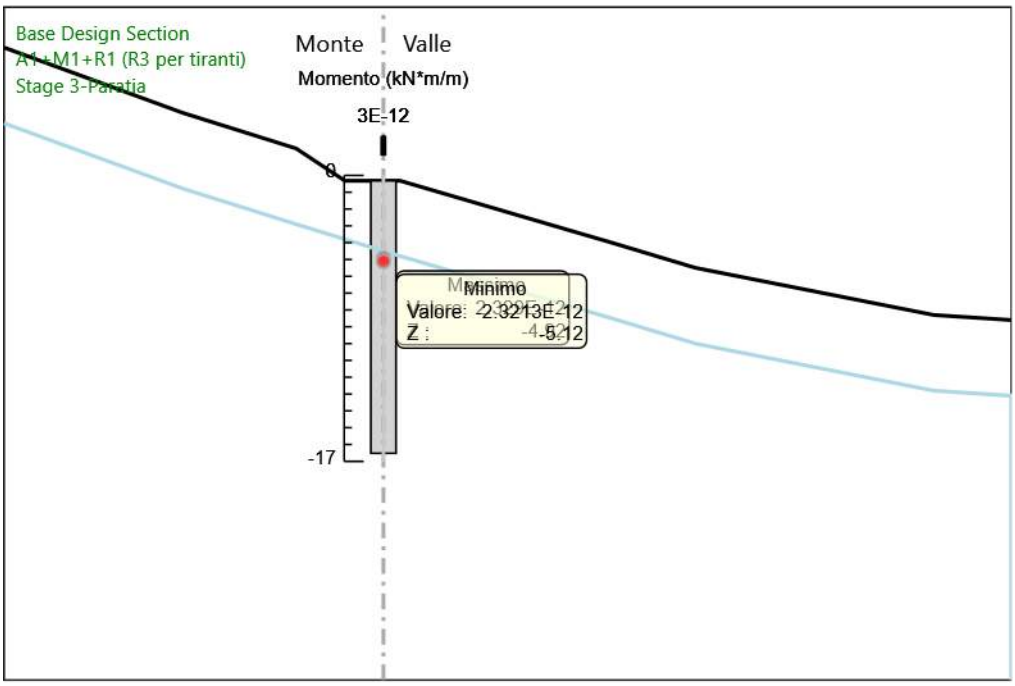
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 1
Momento

6.2.16. Grafico Risultati Momento A1+M1+R1 (R3 per tiranti) - Stage: Stage 2-Prescavo



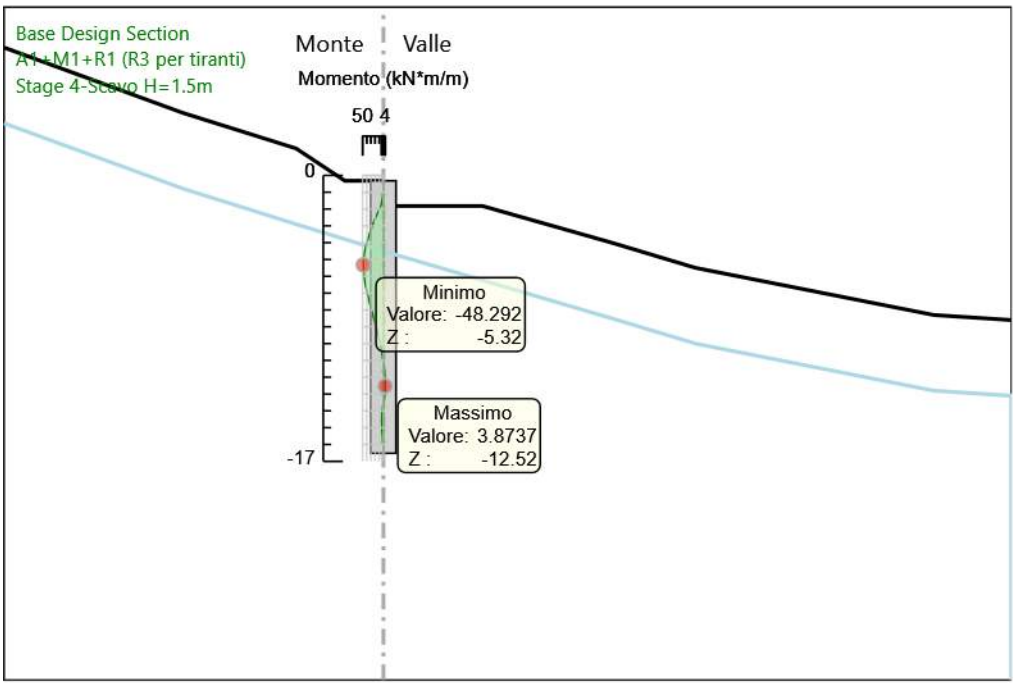
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 2-Prescavo
Momento

6.2.17. Grafico Risultati Momento A1+M1+R1 (R3 per tiranti) - Stage: Stage 3-Paratia



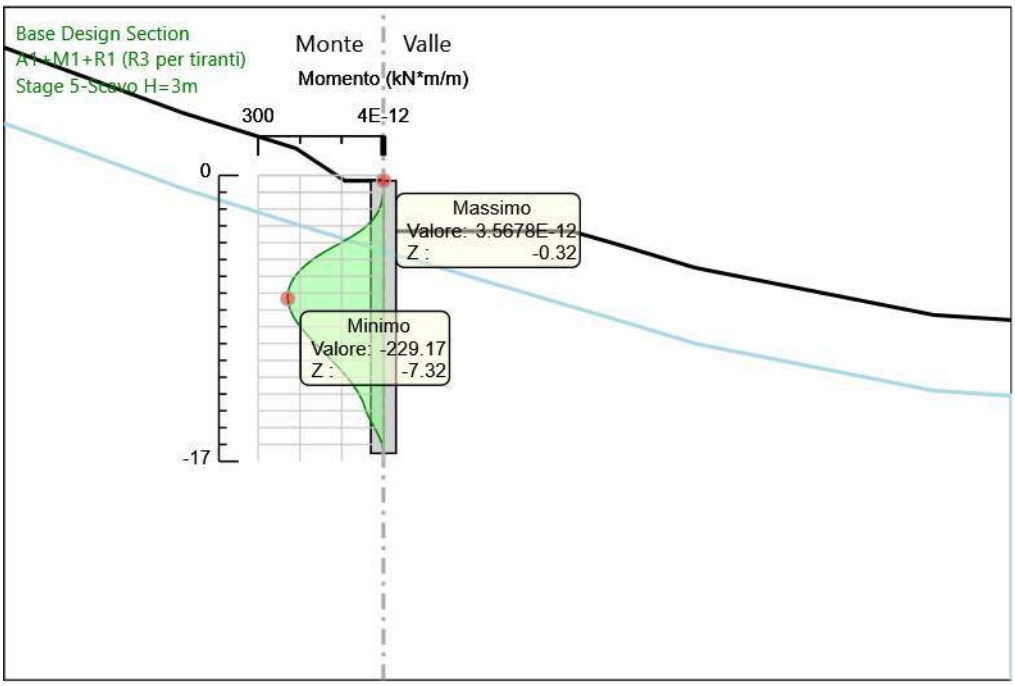
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 3-Paratia
Momento

6.2.18. Grafico Risultati Momento A1+M1+R1 (R3 per tiranti) - Stage: Stage 4-Scavo H=1.5m



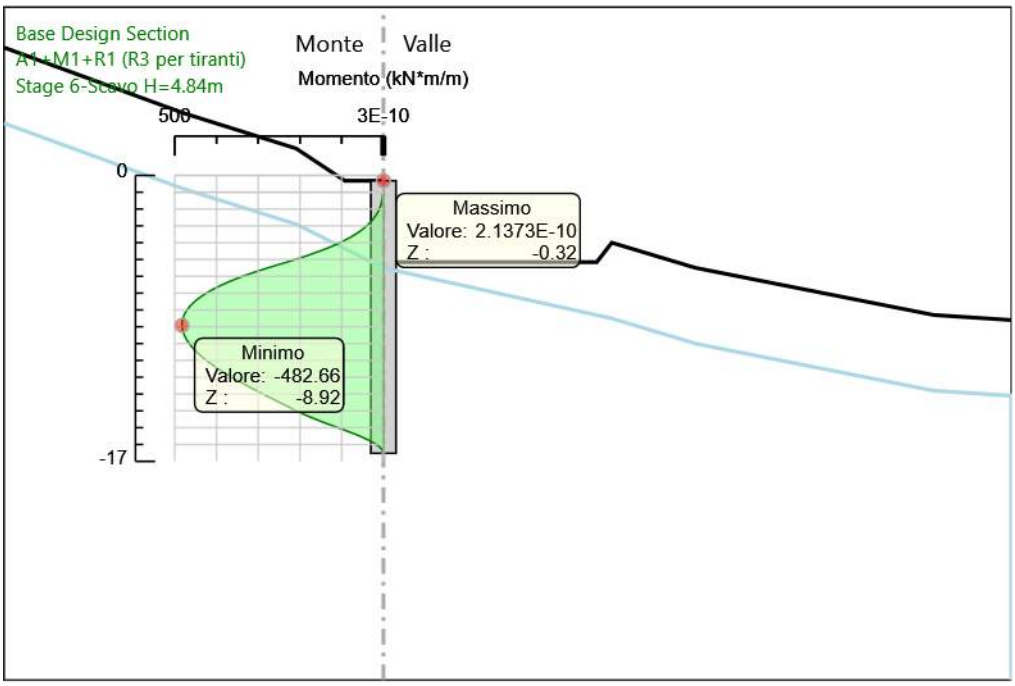
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 4-Scavo H=1.5m
Momento

6.2.19. Grafico Risultati Momento A1+M1+R1 (R3 per tiranti) - Stage: Stage 5-Scavo H=3m



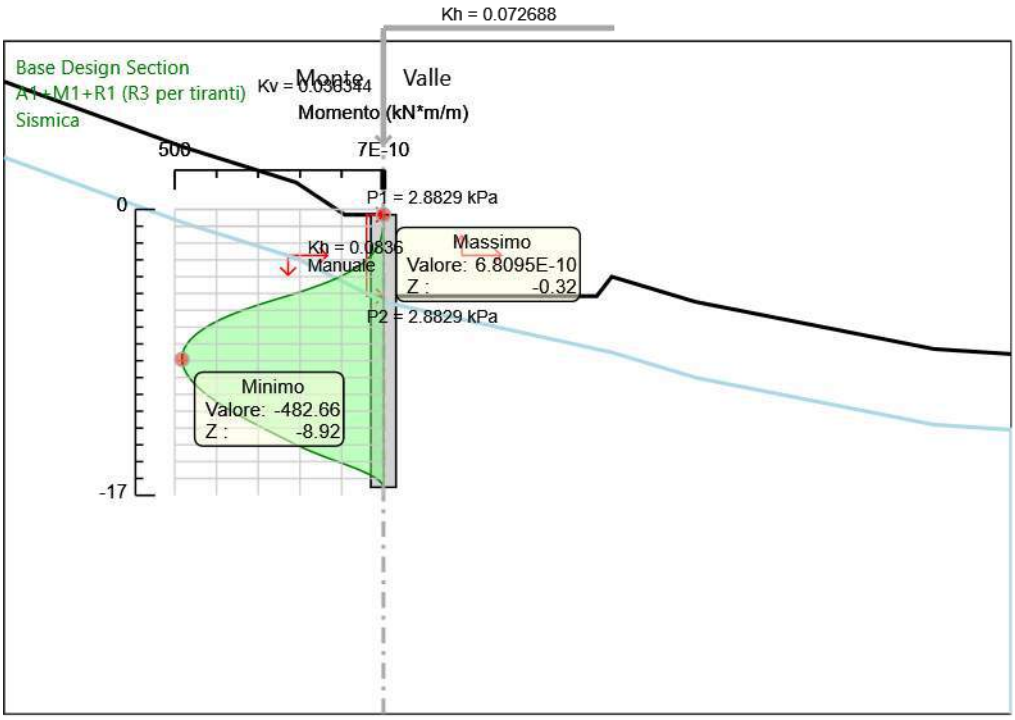
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 5-Scavo H=3m
Momento

6.2.20. Grafico Risultati Momento A1+M1+R1 (R3 per tiranti) - Stage: Stage 6-Scavo H=4.84m



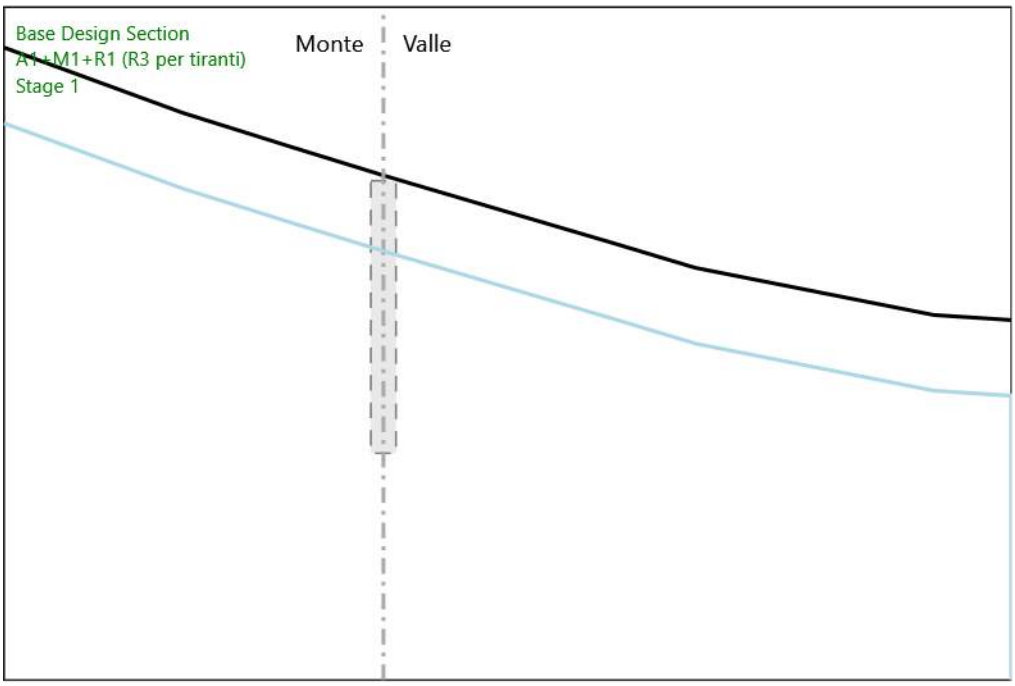
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 6-Scavo H=4.84m
Momento

6.2.21. Grafico Risultati Momento A1+M1+R1 (R3 per tiranti) - Stage: Sismica



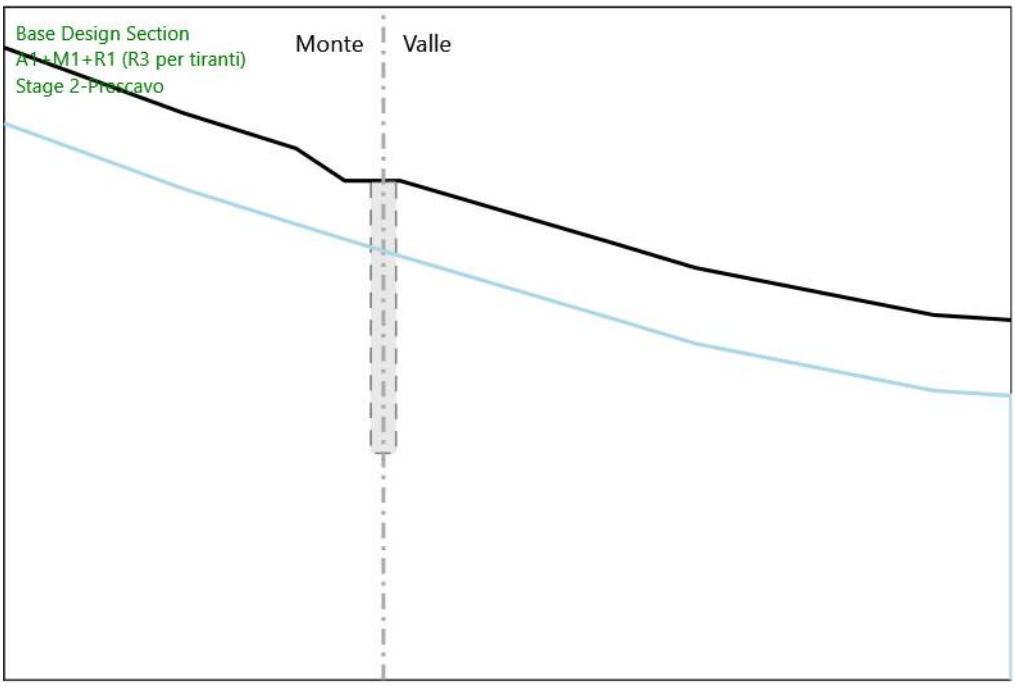
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Sismica
Momento

6.2.22. Grafico Risultati Taglio A1+M1+R1 (R3 per tiranti) - Stage: Stage 1



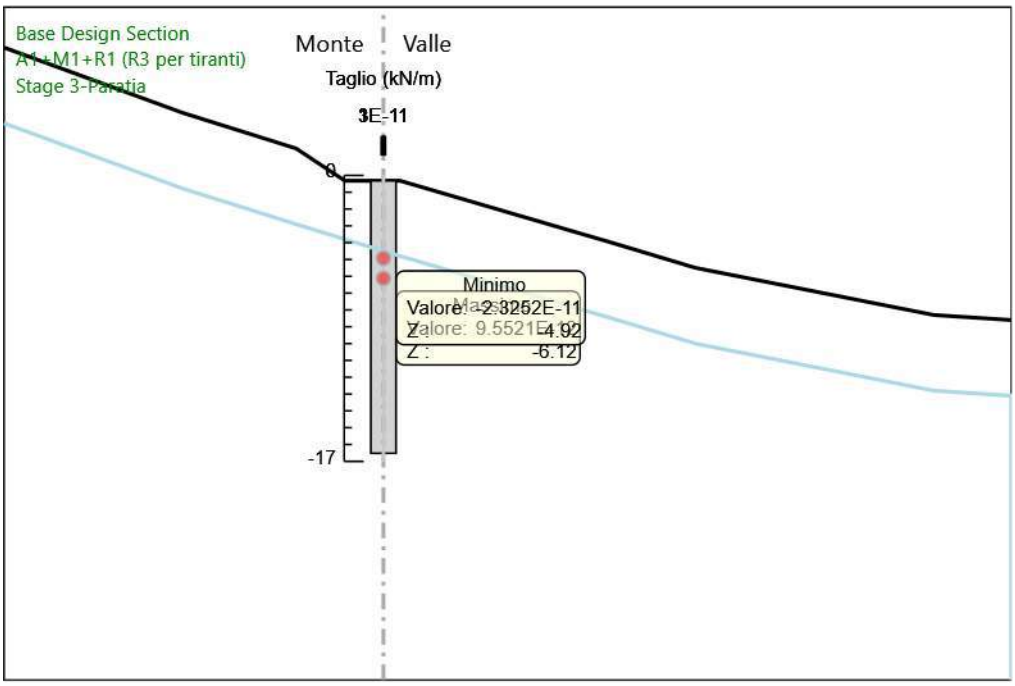
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 1
Taglio

6.2.23. Grafico Risultati Taglio A1+M1+R1 (R3 per tiranti) - Stage: Stage 2-Prescavo



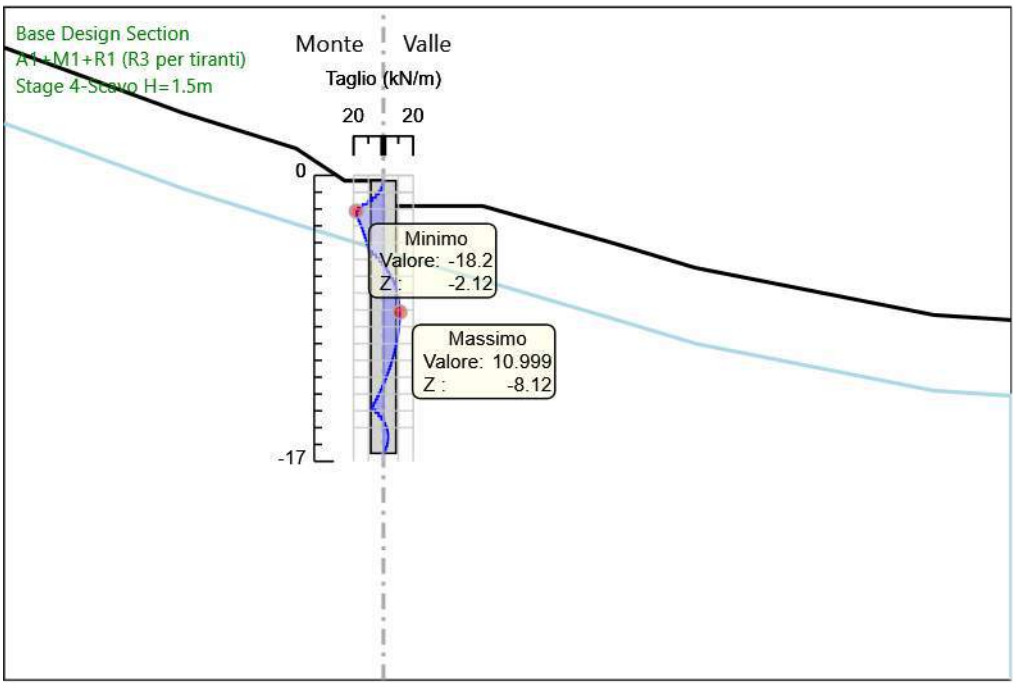
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 2-Prescavo
Taglio

6.2.24. Grafico Risultati Taglio A1+M1+R1 (R3 per tiranti) - Stage: Stage 3-Paratia



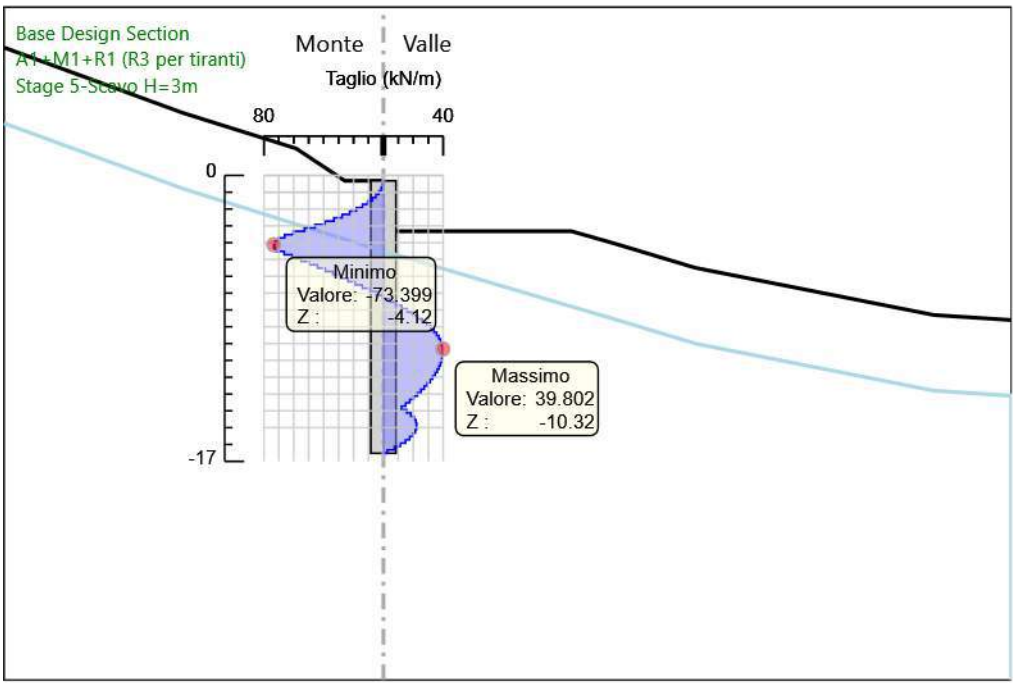
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 3-Paratia
Taglio

6.2.25. Grafico Risultati Taglio A1+M1+R1 (R3 per tiranti) - Stage: Stage 4-Scavo H=1.5m



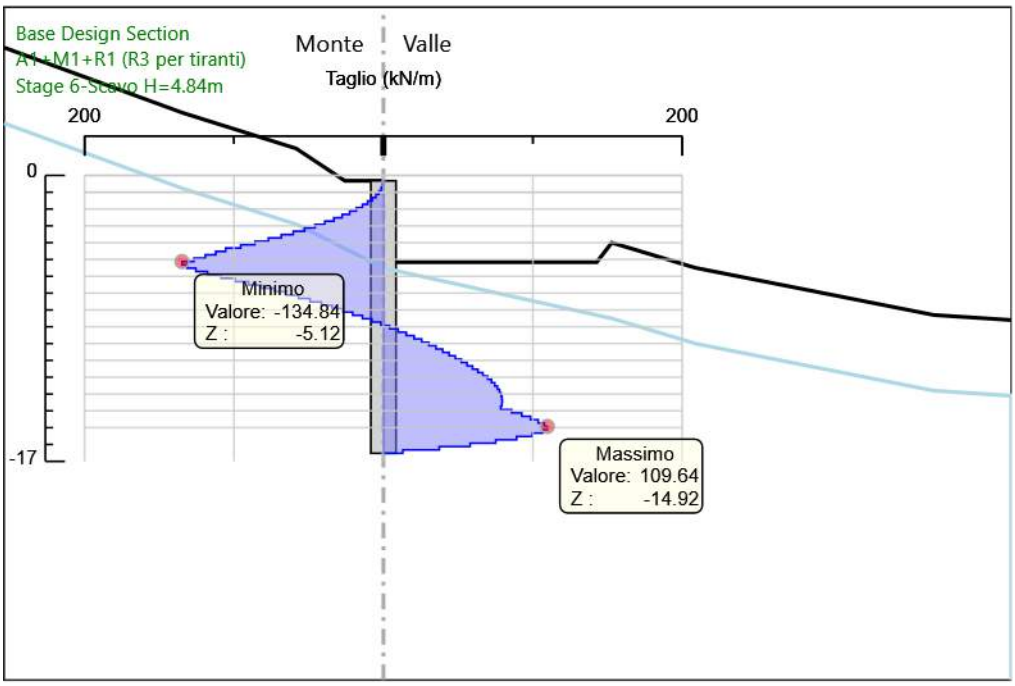
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 4-Scavo H=1.5m
Taglio

6.2.26. Grafico Risultati Taglio A1+M1+R1 (R3 per tiranti) - Stage: Stage 5-Scavo H=3m



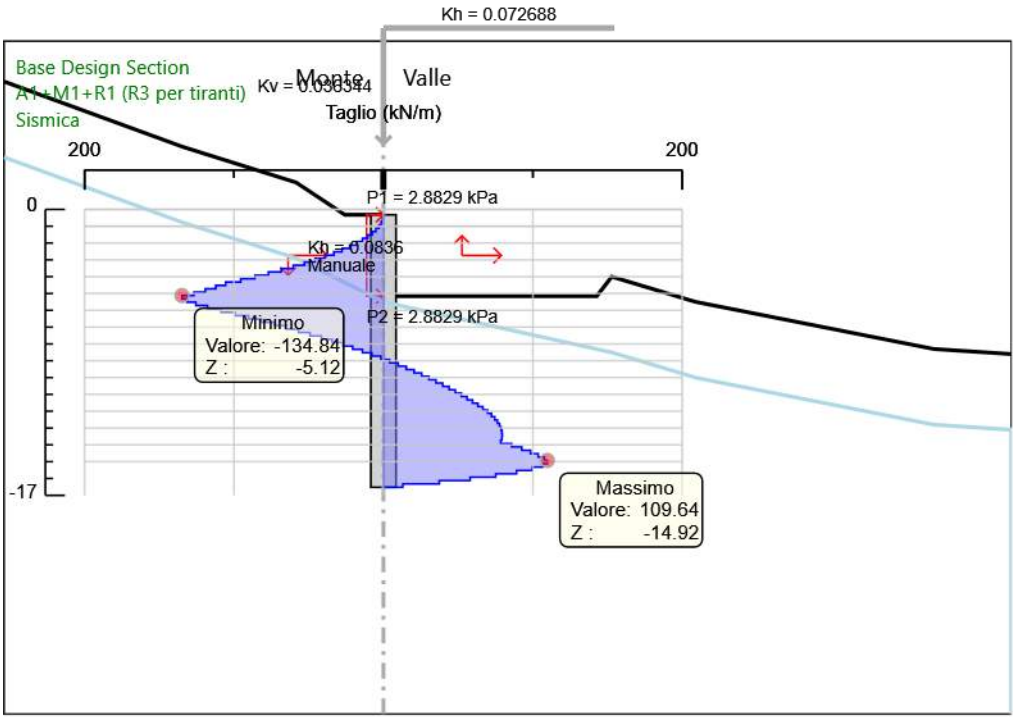
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 5-Scavo H=3m
Taglio

6.2.27. Grafico Risultati Taglio A1+M1+R1 (R3 per tiranti) - Stage: Stage 6-Scavo H=4.84m



Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 6-Scavo H=4.84m
Taglio

6.2.28. Grafico Risultati Taglio A1+M1+R1 (R3 per tiranti) - Stage: Sismica



Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Sismica
Taglio

6.3. Risultati A2+M2+R1

6.3.1. 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	-0.32	0	0
Stage 1	-0.52	0	0
Stage 1	-0.72	0	0
Stage 1	-0.92	0	0
Stage 1	-1.12	0	0
Stage 1	-1.32	0	0
Stage 1	-1.52	0	0
Stage 1	-1.72	0	0
Stage 1	-1.92	0	0
Stage 1	-2.12	0	0
Stage 1	-2.32	0	0
Stage 1	-2.52	0	0
Stage 1	-2.72	0	0
Stage 1	-2.92	0	0
Stage 1	-3.12	0	0
Stage 1	-3.32	0	0
Stage 1	-3.52	0	0
Stage 1	-3.72	0	0
Stage 1	-3.92	0	0
Stage 1	-4.12	0	0
Stage 1	-4.32	0	0
Stage 1	-4.52	0	0
Stage 1	-4.72	0	0
Stage 1	-4.92	0	0
Stage 1	-5.12	0	0
Stage 1	-5.32	0	0
Stage 1	-5.52	0	0
Stage 1	-5.72	0	0
Stage 1	-5.92	0	0
Stage 1	-6.12	0	0
Stage 1	-6.32	0	0
Stage 1	-6.52	0	0
Stage 1	-6.72	0	0
Stage 1	-6.92	0	0
Stage 1	-7.12	0	0
Stage 1	-7.32	0	0
Stage 1	-7.52	0	0
Stage 1	-7.72	0	0
Stage 1	-7.92	0	0
Stage 1	-8.12	0	0
Stage 1	-8.32	0	0
Stage 1	-8.52	0	0
Stage 1	-8.72	0	0
Stage 1	-8.92	0	0
Stage 1	-9.12	0	0
Stage 1	-9.32	0	0
Stage 1	-9.52	0	0
Stage 1	-9.72	0	0
Stage 1	-9.92	0	0
Stage 1	-10.12	0	0
Stage 1	-10.32	0	0
Stage 1	-10.52	0	0
Stage 1	-10.72	0	0
Stage 1	-10.92	0	0
Stage 1	-11.12	0	0
Stage 1	-11.32	0	0
Stage 1	-11.52	0	0
Stage 1	-11.72	0	0
Stage 1	-11.92	0	0
Stage 1	-12.12	0	0
Stage 1	-12.32	0	0
Stage 1	-12.52	0	0
Stage 1	-12.72	0	0
Stage 1	-12.92	0	0

Design Assumption: A2+M2+R1 Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	-13.12	0	0
Stage 1	-13.32	0	0
Stage 1	-13.52	0	0
Stage 1	-13.72	0	0
Stage 1	-13.92	0	0
Stage 1	-14.12	0	0
Stage 1	-14.32	0	0
Stage 1	-14.52	0	0
Stage 1	-14.72	0	0
Stage 1	-14.92	0	0
Stage 1	-15.12	0	0
Stage 1	-15.32	0	0
Stage 1	-15.52	0	0
Stage 1	-15.72	0	0
Stage 1	-15.92	0	0
Stage 1	-16.12	0	0
Stage 1	-16.32	0	0
Stage 1	-16.52	0	0

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

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2-Prescavo	-0.32	0	0
Stage 2-Prescavo	-0.52	0	0
Stage 2-Prescavo	-0.72	0	0
Stage 2-Prescavo	-0.92	0	0
Stage 2-Prescavo	-1.12	0	0
Stage 2-Prescavo	-1.32	0	0
Stage 2-Prescavo	-1.52	0	0
Stage 2-Prescavo	-1.72	0	0
Stage 2-Prescavo	-1.92	0	0
Stage 2-Prescavo	-2.12	0	0
Stage 2-Prescavo	-2.32	0	0
Stage 2-Prescavo	-2.52	0	0
Stage 2-Prescavo	-2.72	0	0
Stage 2-Prescavo	-2.92	0	0
Stage 2-Prescavo	-3.12	0	0
Stage 2-Prescavo	-3.32	0	0
Stage 2-Prescavo	-3.52	0	0
Stage 2-Prescavo	-3.72	0	0
Stage 2-Prescavo	-3.92	0	0
Stage 2-Prescavo	-4.12	0	0
Stage 2-Prescavo	-4.32	0	0
Stage 2-Prescavo	-4.52	0	0
Stage 2-Prescavo	-4.72	0	0
Stage 2-Prescavo	-4.92	0	0
Stage 2-Prescavo	-5.12	0	0
Stage 2-Prescavo	-5.32	0	0
Stage 2-Prescavo	-5.52	0	0
Stage 2-Prescavo	-5.72	0	0
Stage 2-Prescavo	-5.92	0	0
Stage 2-Prescavo	-6.12	0	0
Stage 2-Prescavo	-6.32	0	0
Stage 2-Prescavo	-6.52	0	0
Stage 2-Prescavo	-6.72	0	0
Stage 2-Prescavo	-6.92	0	0
Stage 2-Prescavo	-7.12	0	0
Stage 2-Prescavo	-7.32	0	0
Stage 2-Prescavo	-7.52	0	0
Stage 2-Prescavo	-7.72	0	0
Stage 2-Prescavo	-7.92	0	0
Stage 2-Prescavo	-8.12	0	0
Stage 2-Prescavo	-8.32	0	0
Stage 2-Prescavo	-8.52	0	0
Stage 2-Prescavo	-8.72	0	0
Stage 2-Prescavo	-8.92	0	0
Stage 2-Prescavo	-9.12	0	0
Stage 2-Prescavo	-9.32	0	0
Stage 2-Prescavo	-9.52	0	0
Stage 2-Prescavo	-9.72	0	0
Stage 2-Prescavo	-9.92	0	0
Stage 2-Prescavo	-10.12	0	0
Stage 2-Prescavo	-10.32	0	0
Stage 2-Prescavo	-10.52	0	0
Stage 2-Prescavo	-10.72	0	0
Stage 2-Prescavo	-10.92	0	0
Stage 2-Prescavo	-11.12	0	0
Stage 2-Prescavo	-11.32	0	0
Stage 2-Prescavo	-11.52	0	0
Stage 2-Prescavo	-11.72	0	0
Stage 2-Prescavo	-11.92	0	0
Stage 2-Prescavo	-12.12	0	0
Stage 2-Prescavo	-12.32	0	0
Stage 2-Prescavo	-12.52	0	0
Stage 2-Prescavo	-12.72	0	0
Stage 2-Prescavo	-12.92	0	0
Stage 2-Prescavo	-13.12	0	0
Stage 2-Prescavo	-13.32	0	0
Stage 2-Prescavo	-13.52	0	0

Design Assumption: A2+M2+R1 Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2-Prescavo	-13.72	0	0
Stage 2-Prescavo	-13.92	0	0
Stage 2-Prescavo	-14.12	0	0
Stage 2-Prescavo	-14.32	0	0
Stage 2-Prescavo	-14.52	0	0
Stage 2-Prescavo	-14.72	0	0
Stage 2-Prescavo	-14.92	0	0
Stage 2-Prescavo	-15.12	0	0
Stage 2-Prescavo	-15.32	0	0
Stage 2-Prescavo	-15.52	0	0
Stage 2-Prescavo	-15.72	0	0
Stage 2-Prescavo	-15.92	0	0
Stage 2-Prescavo	-16.12	0	0
Stage 2-Prescavo	-16.32	0	0
Stage 2-Prescavo	-16.52	0	0

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

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-0.32	0	0
Stage 3-Paratia	-0.52	0	0
Stage 3-Paratia	-0.52	0	0
Stage 3-Paratia	-0.72	0	0
Stage 3-Paratia	-0.92	0	0
Stage 3-Paratia	-1.12	0	0
Stage 3-Paratia	-1.12	0	0
Stage 3-Paratia	-1.32	0	0
Stage 3-Paratia	-1.32	0	0
Stage 3-Paratia	-1.52	0	0
Stage 3-Paratia	-1.52	0	0
Stage 3-Paratia	-1.72	0	0
Stage 3-Paratia	-1.72	0	0
Stage 3-Paratia	-1.92	0	0
Stage 3-Paratia	-1.92	0	0
Stage 3-Paratia	-2.12	0	0
Stage 3-Paratia	-2.12	0	0
Stage 3-Paratia	-2.32	0	0
Stage 3-Paratia	-2.32	0	0
Stage 3-Paratia	-2.52	0	0
Stage 3-Paratia	-2.52	0	0
Stage 3-Paratia	-2.72	0	0
Stage 3-Paratia	-2.72	0	0
Stage 3-Paratia	-2.92	0	0
Stage 3-Paratia	-2.92	0	0
Stage 3-Paratia	-3.12	0	0
Stage 3-Paratia	-3.12	0	0
Stage 3-Paratia	-3.32	0	0
Stage 3-Paratia	-3.32	0	0
Stage 3-Paratia	-3.52	0	0
Stage 3-Paratia	-3.52	0	0
Stage 3-Paratia	-3.72	0	0
Stage 3-Paratia	-3.72	0	0
Stage 3-Paratia	-3.92	0	0
Stage 3-Paratia	-3.92	0	0
Stage 3-Paratia	-4.12	0	0
Stage 3-Paratia	-4.12	0	0
Stage 3-Paratia	-4.32	0	0
Stage 3-Paratia	-4.32	0	0
Stage 3-Paratia	-4.52	0	0
Stage 3-Paratia	-4.52	0	0
Stage 3-Paratia	-4.72	0	0
Stage 3-Paratia	-4.72	0	0
Stage 3-Paratia	-4.92	0	0
Stage 3-Paratia	-4.92	0	0
Stage 3-Paratia	-5.12	0	0
Stage 3-Paratia	-5.12	0	0
Stage 3-Paratia	-5.32	0	0
Stage 3-Paratia	-5.32	0	0
Stage 3-Paratia	-5.52	0	0
Stage 3-Paratia	-5.52	0	0
Stage 3-Paratia	-5.72	0	0
Stage 3-Paratia	-5.72	0	0
Stage 3-Paratia	-5.92	0	0
Stage 3-Paratia	-5.92	0	0
Stage 3-Paratia	-6.12	0	0
Stage 3-Paratia	-6.12	0	0
Stage 3-Paratia	-6.32	0	0
Stage 3-Paratia	-6.32	0	0
Stage 3-Paratia	-6.52	0	0
Stage 3-Paratia	-6.52	0	0
Stage 3-Paratia	-6.72	0	0
Stage 3-Paratia	-6.72	0	0
Stage 3-Paratia	-6.92	0	0
Stage 3-Paratia	-6.92	0	0
Stage 3-Paratia	-7.12	0	0
Stage 3-Paratia	-7.12	0	0

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-7.32	0	0
Stage 3-Paratia	-7.32	0	0
Stage 3-Paratia	-7.52	0	0
Stage 3-Paratia	-7.52	0	0
Stage 3-Paratia	-7.72	0	0
Stage 3-Paratia	-7.72	0	0
Stage 3-Paratia	-7.92	0	0
Stage 3-Paratia	-7.92	0	0
Stage 3-Paratia	-8.12	0	0
Stage 3-Paratia	-8.12	0	0
Stage 3-Paratia	-8.32	0	0
Stage 3-Paratia	-8.32	0	0
Stage 3-Paratia	-8.52	0	0
Stage 3-Paratia	-8.52	0	0
Stage 3-Paratia	-8.72	0	0
Stage 3-Paratia	-8.72	0	0
Stage 3-Paratia	-8.92	0	0
Stage 3-Paratia	-8.92	0	0
Stage 3-Paratia	-9.12	0	0
Stage 3-Paratia	-9.12	0	0
Stage 3-Paratia	-9.32	0	0
Stage 3-Paratia	-9.32	0	0
Stage 3-Paratia	-9.52	0	0
Stage 3-Paratia	-9.52	0	0
Stage 3-Paratia	-9.72	0	0
Stage 3-Paratia	-9.72	0	0
Stage 3-Paratia	-9.92	0	0
Stage 3-Paratia	-9.92	0	0
Stage 3-Paratia	-10.12	0	0
Stage 3-Paratia	-10.12	0	0
Stage 3-Paratia	-10.32	0	0
Stage 3-Paratia	-10.32	0	0
Stage 3-Paratia	-10.52	0	0
Stage 3-Paratia	-10.52	0	0
Stage 3-Paratia	-10.72	0	0
Stage 3-Paratia	-10.72	0	0
Stage 3-Paratia	-10.92	0	0
Stage 3-Paratia	-10.92	0	0
Stage 3-Paratia	-11.12	0	0
Stage 3-Paratia	-11.12	0	0
Stage 3-Paratia	-11.32	0	0
Stage 3-Paratia	-11.32	0	0
Stage 3-Paratia	-11.52	0	0
Stage 3-Paratia	-11.52	0	0
Stage 3-Paratia	-11.72	0	0
Stage 3-Paratia	-11.72	0	0
Stage 3-Paratia	-11.92	0	0
Stage 3-Paratia	-11.92	0	0
Stage 3-Paratia	-12.12	0	0
Stage 3-Paratia	-12.12	0	0
Stage 3-Paratia	-12.32	0	0
Stage 3-Paratia	-12.32	0	0
Stage 3-Paratia	-12.52	0	0
Stage 3-Paratia	-12.52	0	0
Stage 3-Paratia	-12.72	0	0
Stage 3-Paratia	-12.72	0	0
Stage 3-Paratia	-12.92	0	0
Stage 3-Paratia	-12.92	0	0
Stage 3-Paratia	-13.12	0	0
Stage 3-Paratia	-13.12	0	0
Stage 3-Paratia	-13.32	0	0
Stage 3-Paratia	-13.32	0	0
Stage 3-Paratia	-13.52	0	0
Stage 3-Paratia	-13.52	0	0
Stage 3-Paratia	-13.72	0	0
Stage 3-Paratia	-13.72	0	0
Stage 3-Paratia	-13.92	0	0
Stage 3-Paratia	-13.92	0	0
Stage 3-Paratia	-14.12	0	0
Stage 3-Paratia	-14.12	0	0
Stage 3-Paratia	-14.32	0	0

Design Assumption: A2+M2+R1 Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-14.32	0	0
Stage 3-Paratia	-14.52	0	0
Stage 3-Paratia	-14.52	0	0
Stage 3-Paratia	-14.72	0	0
Stage 3-Paratia	-14.72	0	0
Stage 3-Paratia	-14.92	0	0
Stage 3-Paratia	-14.92	0	0
Stage 3-Paratia	-15.12	0	0
Stage 3-Paratia	-15.12	0	0
Stage 3-Paratia	-15.32	0	0
Stage 3-Paratia	-15.32	0	0
Stage 3-Paratia	-15.52	0	0
Stage 3-Paratia	-15.52	0	0
Stage 3-Paratia	-15.72	0	0
Stage 3-Paratia	-15.72	0	0
Stage 3-Paratia	-15.92	0	0
Stage 3-Paratia	-15.92	0	0
Stage 3-Paratia	-16.12	0	0
Stage 3-Paratia	-16.12	0	0
Stage 3-Paratia	-16.32	0	0
Stage 3-Paratia	-16.32	0	0
Stage 3-Paratia	-16.52	0	0

6.3.4. Tabella Risultati Paratia A2+M2+R1 - Left Wall - Stage: Stage 4-Scavo H=1.5m

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=1.5m	-0.32	0	0
Stage 4-Scavo H=1.5m	-0.52	0	0
Stage 4-Scavo H=1.5m	-0.52	0	0
Stage 4-Scavo H=1.5m	-0.72	-0.09	-0.45
Stage 4-Scavo H=1.5m	-0.92	-0.36	-1.34
Stage 4-Scavo H=1.5m	-1.12	-0.89	-2.68
Stage 4-Scavo H=1.5m	-1.32	-1.79	-4.47
Stage 4-Scavo H=1.5m	-1.52	-3.13	-6.7
Stage 4-Scavo H=1.5m	-1.72	-5.01	-9.38
Stage 4-Scavo H=1.5m	-1.92	-7.51	-12.51
Stage 4-Scavo H=1.5m	-2.12	-10.58	-15.37
Stage 4-Scavo H=1.5m	-2.32	-14.03	-17.22
Stage 4-Scavo H=1.5m	-2.52	-17.64	-18.08
Stage 4-Scavo H=1.5m	-2.72	-21.23	-17.94
Stage 4-Scavo H=1.5m	-2.92	-24.59	-16.81
Stage 4-Scavo H=1.5m	-3.12	-27.69	-15.51
Stage 4-Scavo H=1.5m	-3.32	-30.55	-14.26
Stage 4-Scavo H=1.5m	-3.52	-33.16	-13.07
Stage 4-Scavo H=1.5m	-3.72	-35.55	-11.93
Stage 4-Scavo H=1.5m	-3.92	-37.72	-10.85
Stage 4-Scavo H=1.5m	-4.12	-39.68	-9.82
Stage 4-Scavo H=1.5m	-4.32	-41.45	-8.85
Stage 4-Scavo H=1.5m	-4.52	-43.04	-7.93
Stage 4-Scavo H=1.5m	-4.72	-44.35	-6.56
Stage 4-Scavo H=1.5m	-4.92	-45.43	-5.38
Stage 4-Scavo H=1.5m	-5.12	-46.28	-4.25
Stage 4-Scavo H=1.5m	-5.32	-46.91	-3.18
Stage 4-Scavo H=1.5m	-5.52	-47.34	-2.15
Stage 4-Scavo H=1.5m	-5.72	-47.57	-1.16
Stage 4-Scavo H=1.5m	-5.92	-47.62	-0.23
Stage 4-Scavo H=1.5m	-6.12	-47.49	0.66
Stage 4-Scavo H=1.5m	-6.32	-47.18	1.51
Stage 4-Scavo H=1.5m	-6.52	-46.72	2.32
Stage 4-Scavo H=1.5m	-6.72	-46.1	3.09
Stage 4-Scavo H=1.5m	-6.92	-45.34	3.82
Stage 4-Scavo H=1.5m	-7.12	-44.43	4.52
Stage 4-Scavo H=1.5m	-7.32	-43.4	5.18
Stage 4-Scavo H=1.5m	-7.52	-42.24	5.8
Stage 4-Scavo H=1.5m	-7.72	-40.96	6.39
Stage 4-Scavo H=1.5m	-7.92	-39.57	6.95
Stage 4-Scavo H=1.5m	-8.12	-38.07	7.47
Stage 4-Scavo H=1.5m	-8.32	-36.49	7.92
Stage 4-Scavo H=1.5m	-8.52	-34.83	8.28
Stage 4-Scavo H=1.5m	-8.72	-33.12	8.58
Stage 4-Scavo H=1.5m	-8.92	-31.36	8.81
Stage 4-Scavo H=1.5m	-9.12	-29.56	8.97
Stage 4-Scavo H=1.5m	-9.32	-27.75	9.07
Stage 4-Scavo H=1.5m	-9.52	-25.92	9.12
Stage 4-Scavo H=1.5m	-9.72	-24.1	9.1
Stage 4-Scavo H=1.5m	-9.92	-22.3	9.03
Stage 4-Scavo H=1.5m	-10.12	-20.51	8.91
Stage 4-Scavo H=1.5m	-10.32	-18.77	8.74
Stage 4-Scavo H=1.5m	-10.52	-17.06	8.52
Stage 4-Scavo H=1.5m	-10.72	-15.41	8.26
Stage 4-Scavo H=1.5m	-10.92	-13.82	7.94
Stage 4-Scavo H=1.5m	-11.12	-12.3	7.59
Stage 4-Scavo H=1.5m	-11.32	-10.86	7.19
Stage 4-Scavo H=1.5m	-11.52	-9.51	6.76
Stage 4-Scavo H=1.5m	-11.72	-8.26	6.28
Stage 4-Scavo H=1.5m	-11.92	-7.11	5.76
Stage 4-Scavo H=1.5m	-12.12	-6.06	5.2
Stage 4-Scavo H=1.5m	-12.32	-5.14	4.61
Stage 4-Scavo H=1.5m	-12.52	-4.35	3.98
Stage 4-Scavo H=1.5m	-12.72	-3.68	3.31
Stage 4-Scavo H=1.5m	-12.92	-3.16	2.61
Stage 4-Scavo H=1.5m	-13.12	-2.79	1.87
Stage 4-Scavo H=1.5m	-13.32	-2.57	1.09

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=1.5m	-13.52	-2.52	0.28
Stage 4-Scavo H=1.5m	-13.72	-2.63	-0.57
Stage 4-Scavo H=1.5m	-13.92	-2.92	-1.45
Stage 4-Scavo H=1.5m	-14.12	-3.06	-0.71
Stage 4-Scavo H=1.5m	-14.32	-3.08	-0.07
Stage 4-Scavo H=1.5m	-14.52	-2.98	0.49
Stage 4-Scavo H=1.5m	-14.72	-2.79	0.95
Stage 4-Scavo H=1.5m	-14.92	-2.53	1.33
Stage 4-Scavo H=1.5m	-15.12	-2.2	1.62
Stage 4-Scavo H=1.5m	-15.32	-1.84	1.83
Stage 4-Scavo H=1.5m	-15.52	-1.44	1.96
Stage 4-Scavo H=1.5m	-15.72	-1.04	2.01
Stage 4-Scavo H=1.5m	-15.92	-0.65	1.94
Stage 4-Scavo H=1.5m	-16.12	-0.32	1.67
Stage 4-Scavo H=1.5m	-16.32	-0.09	1.16
Stage 4-Scavo H=1.5m	-16.52	0	0.43

6.3.5. Tabella Risultati Paratia A2+M2+R1 - Left Wall - Stage: Stage 5-Scavo H=3m

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=3m	-0.32	0	0
Stage 5-Scavo H=3m	-0.52	0	0
Stage 5-Scavo H=3m	-0.52	0	0
Stage 5-Scavo H=3m	-0.72	-0.09	-0.45
Stage 5-Scavo H=3m	-0.92	-0.36	-1.34
Stage 5-Scavo H=3m	-1.12	-0.89	-2.68
Stage 5-Scavo H=3m	-1.32	-1.79	-4.47
Stage 5-Scavo H=3m	-1.52	-3.13	-6.7
Stage 5-Scavo H=3m	-1.72	-5.01	-9.38
Stage 5-Scavo H=3m	-1.92	-7.51	-12.51
Stage 5-Scavo H=3m	-2.12	-10.73	-16.09
Stage 5-Scavo H=3m	-2.32	-14.75	-20.11
Stage 5-Scavo H=3m	-2.52	-19.66	-24.58
Stage 5-Scavo H=3m	-2.72	-25.56	-29.49
Stage 5-Scavo H=3m	-2.92	-32.53	-34.86
Stage 5-Scavo H=3m	-3.12	-40.67	-40.67
Stage 5-Scavo H=3m	-3.32	-50.05	-46.92
Stage 5-Scavo H=3m	-3.52	-60.78	-53.63
Stage 5-Scavo H=3m	-3.72	-72.64	-59.33
Stage 5-Scavo H=3m	-3.92	-85.45	-64.04
Stage 5-Scavo H=3m	-4.12	-99	-67.75
Stage 5-Scavo H=3m	-4.32	-113.09	-70.47
Stage 5-Scavo H=3m	-4.52	-127.53	-72.18
Stage 5-Scavo H=3m	-4.72	-140.76	-66.14
Stage 5-Scavo H=3m	-4.92	-152.85	-60.44
Stage 5-Scavo H=3m	-5.12	-163.84	-54.95
Stage 5-Scavo H=3m	-5.32	-173.77	-49.66
Stage 5-Scavo H=3m	-5.52	-182.68	-44.58
Stage 5-Scavo H=3m	-5.72	-190.63	-39.7
Stage 5-Scavo H=3m	-5.92	-197.63	-35.02
Stage 5-Scavo H=3m	-6.12	-203.74	-30.54
Stage 5-Scavo H=3m	-6.32	-208.99	-26.24
Stage 5-Scavo H=3m	-6.52	-213.41	-22.13
Stage 5-Scavo H=3m	-6.72	-217.05	-18.21
Stage 5-Scavo H=3m	-6.92	-219.95	-14.47
Stage 5-Scavo H=3m	-7.12	-222.13	-10.9
Stage 5-Scavo H=3m	-7.32	-223.63	-7.5
Stage 5-Scavo H=3m	-7.52	-224.48	-4.27
Stage 5-Scavo H=3m	-7.72	-224.72	-1.2
Stage 5-Scavo H=3m	-7.92	-224.38	1.71
Stage 5-Scavo H=3m	-8.12	-223.48	4.47
Stage 5-Scavo H=3m	-8.32	-222.07	7.07
Stage 5-Scavo H=3m	-8.52	-220.17	9.53
Stage 5-Scavo H=3m	-8.72	-217.8	11.85
Stage 5-Scavo H=3m	-8.92	-214.99	14.02
Stage 5-Scavo H=3m	-9.12	-211.78	16.07
Stage 5-Scavo H=3m	-9.32	-208.18	17.98
Stage 5-Scavo H=3m	-9.52	-204.23	19.77
Stage 5-Scavo H=3m	-9.72	-199.94	21.44
Stage 5-Scavo H=3m	-9.92	-195.34	22.99
Stage 5-Scavo H=3m	-10.12	-190.46	24.42
Stage 5-Scavo H=3m	-10.32	-185.31	25.75
Stage 5-Scavo H=3m	-10.52	-179.91	26.96
Stage 5-Scavo H=3m	-10.72	-174.3	28.07
Stage 5-Scavo H=3m	-10.92	-168.48	29.08
Stage 5-Scavo H=3m	-11.12	-162.49	29.99
Stage 5-Scavo H=3m	-11.32	-156.32	30.81
Stage 5-Scavo H=3m	-11.52	-150.02	31.53
Stage 5-Scavo H=3m	-11.72	-143.58	32.17
Stage 5-Scavo H=3m	-11.92	-137.04	32.72
Stage 5-Scavo H=3m	-12.12	-130.4	33.18
Stage 5-Scavo H=3m	-12.32	-123.71	33.45
Stage 5-Scavo H=3m	-12.52	-117.02	33.48
Stage 5-Scavo H=3m	-12.72	-110.36	33.29
Stage 5-Scavo H=3m	-12.92	-103.78	32.88
Stage 5-Scavo H=3m	-13.12	-97.33	32.26
Stage 5-Scavo H=3m	-13.32	-91.05	31.43

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=3m	-13.52	-84.97	30.4
Stage 5-Scavo H=3m	-13.72	-79.13	29.18
Stage 5-Scavo H=3m	-13.92	-73.58	27.76
Stage 5-Scavo H=3m	-14.12	-67.55	30.12
Stage 5-Scavo H=3m	-14.32	-61.14	32.07
Stage 5-Scavo H=3m	-14.52	-54.41	33.62
Stage 5-Scavo H=3m	-14.72	-47.46	34.78
Stage 5-Scavo H=3m	-14.92	-40.35	35.55
Stage 5-Scavo H=3m	-15.12	-33.16	35.93
Stage 5-Scavo H=3m	-15.32	-26.1	35.32
Stage 5-Scavo H=3m	-15.52	-19.35	33.73
Stage 5-Scavo H=3m	-15.72	-13.19	30.83
Stage 5-Scavo H=3m	-15.92	-7.88	26.55
Stage 5-Scavo H=3m	-16.12	-3.72	20.8
Stage 5-Scavo H=3m	-16.32	-1	13.6
Stage 5-Scavo H=3m	-16.52	0	4.98

6.3.6. Tabella Risultati Paratia A2+M2+R1 - Left Wall - Stage: Stage 6-Scavo H=4.84m

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=4.84m	-0.32	0	0
Stage 6-Scavo H=4.84m	-0.52	0	0
Stage 6-Scavo H=4.84m	-0.52	0	0
Stage 6-Scavo H=4.84m	-0.72	-0.09	-0.45
Stage 6-Scavo H=4.84m	-0.92	-0.36	-1.34
Stage 6-Scavo H=4.84m	-1.12	-0.89	-2.68
Stage 6-Scavo H=4.84m	-1.32	-1.79	-4.47
Stage 6-Scavo H=4.84m	-1.52	-3.13	-6.7
Stage 6-Scavo H=4.84m	-1.72	-5.01	-9.38
Stage 6-Scavo H=4.84m	-1.92	-7.51	-12.51
Stage 6-Scavo H=4.84m	-2.12	-10.73	-16.09
Stage 6-Scavo H=4.84m	-2.32	-14.75	-20.11
Stage 6-Scavo H=4.84m	-2.52	-19.66	-24.58
Stage 6-Scavo H=4.84m	-2.72	-25.56	-29.49
Stage 6-Scavo H=4.84m	-2.92	-32.53	-34.86
Stage 6-Scavo H=4.84m	-3.12	-40.67	-40.67
Stage 6-Scavo H=4.84m	-3.32	-50.05	-46.92
Stage 6-Scavo H=4.84m	-3.52	-60.78	-53.63
Stage 6-Scavo H=4.84m	-3.72	-72.93	-60.78
Stage 6-Scavo H=4.84m	-3.92	-86.61	-68.37
Stage 6-Scavo H=4.84m	-4.12	-101.89	-76.42
Stage 6-Scavo H=4.84m	-4.32	-118.87	-84.91
Stage 6-Scavo H=4.84m	-4.52	-137.64	-93.84
Stage 6-Scavo H=4.84m	-4.72	-157.96	-101.6
Stage 6-Scavo H=4.84m	-4.92	-179.93	-109.84
Stage 6-Scavo H=4.84m	-5.12	-203.64	-118.58
Stage 6-Scavo H=4.84m	-5.32	-229.2	-127.8
Stage 6-Scavo H=4.84m	-5.52	-255.37	-130.86
Stage 6-Scavo H=4.84m	-5.72	-281.89	-132.59
Stage 6-Scavo H=4.84m	-5.92	-308.55	-133.31
Stage 6-Scavo H=4.84m	-6.12	-335.23	-133.35
Stage 6-Scavo H=4.84m	-6.32	-361.77	-132.71
Stage 6-Scavo H=4.84m	-6.52	-388.04	-131.37
Stage 6-Scavo H=4.84m	-6.72	-413.91	-129.34
Stage 6-Scavo H=4.84m	-6.92	-439.23	-126.62
Stage 6-Scavo H=4.84m	-7.12	-463.88	-123.22
Stage 6-Scavo H=4.84m	-7.32	-487.7	-119.12
Stage 6-Scavo H=4.84m	-7.52	-510.57	-114.33
Stage 6-Scavo H=4.84m	-7.72	-532.34	-108.86
Stage 6-Scavo H=4.84m	-7.92	-552.88	-102.69
Stage 6-Scavo H=4.84m	-8.12	-572.04	-95.84
Stage 6-Scavo H=4.84m	-8.32	-589.7	-88.3
Stage 6-Scavo H=4.84m	-8.52	-605.72	-80.07
Stage 6-Scavo H=4.84m	-8.72	-619.95	-71.14
Stage 6-Scavo H=4.84m	-8.92	-632.25	-61.53
Stage 6-Scavo H=4.84m	-9.12	-642.5	-51.23
Stage 6-Scavo H=4.84m	-9.32	-650.55	-40.24
Stage 6-Scavo H=4.84m	-9.52	-656.26	-28.56
Stage 6-Scavo H=4.84m	-9.72	-659.5	-16.2
Stage 6-Scavo H=4.84m	-9.92	-660.28	-3.87
Stage 6-Scavo H=4.84m	-10.12	-658.71	7.81
Stage 6-Scavo H=4.84m	-10.32	-654.94	18.88
Stage 6-Scavo H=4.84m	-10.52	-649.07	29.33
Stage 6-Scavo H=4.84m	-10.72	-641.24	39.17
Stage 6-Scavo H=4.84m	-10.92	-631.56	48.4
Stage 6-Scavo H=4.84m	-11.12	-620.15	57.05
Stage 6-Scavo H=4.84m	-11.32	-607.12	65.11
Stage 6-Scavo H=4.84m	-11.52	-592.61	72.59
Stage 6-Scavo H=4.84m	-11.72	-576.7	79.51
Stage 6-Scavo H=4.84m	-11.92	-559.53	85.86
Stage 6-Scavo H=4.84m	-12.12	-541.2	91.65
Stage 6-Scavo H=4.84m	-12.32	-521.82	96.9
Stage 6-Scavo H=4.84m	-12.52	-501.5	101.6
Stage 6-Scavo H=4.84m	-12.72	-480.35	105.76
Stage 6-Scavo H=4.84m	-12.92	-458.47	109.4
Stage 6-Scavo H=4.84m	-13.12	-435.97	112.51
Stage 6-Scavo H=4.84m	-13.32	-412.95	115.1

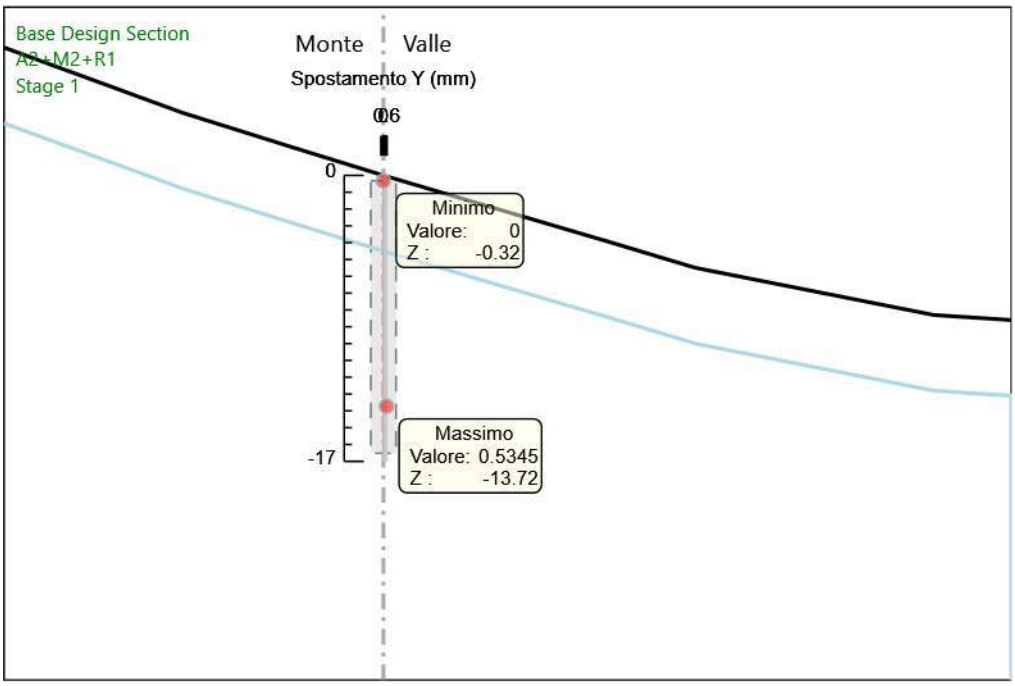
Design Assumption: A2+M2+R1 Risultati Paratia		Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 6-Scavo H=4.84m	-13.52	-389.51	117.17
Stage 6-Scavo H=4.84m	-13.72	-365.77	118.74
Stage 6-Scavo H=4.84m	-13.92	-341.81	119.8
Stage 6-Scavo H=4.84m	-14.12	-314.27	137.69
Stage 6-Scavo H=4.84m	-14.32	-283.81	152.31
Stage 6-Scavo H=4.84m	-14.52	-251.07	163.69
Stage 6-Scavo H=4.84m	-14.72	-216.7	171.84
Stage 6-Scavo H=4.84m	-14.92	-181.34	176.8
Stage 6-Scavo H=4.84m	-15.12	-145.91	177.17
Stage 6-Scavo H=4.84m	-15.32	-111.75	170.76
Stage 6-Scavo H=4.84m	-15.52	-80.56	155.95
Stage 6-Scavo H=4.84m	-15.72	-53.48	135.42
Stage 6-Scavo H=4.84m	-15.92	-31.18	111.47
Stage 6-Scavo H=4.84m	-16.12	-14.38	84.02
Stage 6-Scavo H=4.84m	-16.32	-3.76	53.1
Stage 6-Scavo H=4.84m	-16.52	0	18.8

6.3.7. Tabella Risultati Paratia A2+M2+R1 - Left Wall - Stage: Sismica

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sismica	-0.32	0	0
Sismica	-0.52	0	0
Sismica	-0.52	0	0
Sismica	-0.72	-0.09	-0.45
Sismica	-0.72	-0.09	-0.45
Sismica	-0.92	-0.36	-1.34
Sismica	-1.12	-0.89	-2.68
Sismica	-1.32	-1.79	-4.47
Sismica	-1.52	-3.13	-6.7
Sismica	-1.72	-5.01	-9.38
Sismica	-1.92	-7.51	-12.51
Sismica	-2.12	-10.73	-16.09
Sismica	-2.32	-14.75	-20.11
Sismica	-2.52	-19.66	-24.58
Sismica	-2.72	-25.56	-29.49
Sismica	-2.92	-32.53	-34.86
Sismica	-3.12	-40.67	-40.67
Sismica	-3.32	-50.05	-46.92
Sismica	-3.52	-60.78	-53.63
Sismica	-3.72	-72.93	-60.78
Sismica	-3.92	-86.61	-68.37
Sismica	-4.12	-101.89	-76.42
Sismica	-4.32	-118.87	-84.91
Sismica	-4.52	-137.64	-93.84
Sismica	-4.72	-157.96	-101.6
Sismica	-4.92	-179.93	-109.84
Sismica	-5.12	-203.64	-118.58
Sismica	-5.32	-229.2	-127.8
Sismica	-5.52	-255.37	-130.86
Sismica	-5.72	-281.89	-132.59
Sismica	-5.92	-308.55	-133.31
Sismica	-6.12	-335.23	-133.35
Sismica	-6.32	-361.77	-132.71
Sismica	-6.52	-388.04	-131.37
Sismica	-6.72	-413.91	-129.34
Sismica	-6.92	-439.23	-126.62
Sismica	-7.12	-463.88	-123.22
Sismica	-7.32	-487.7	-119.12
Sismica	-7.52	-510.57	-114.33
Sismica	-7.72	-532.34	-108.86
Sismica	-7.92	-552.88	-102.69
Sismica	-8.12	-572.04	-95.84
Sismica	-8.32	-589.7	-88.3
Sismica	-8.52	-605.72	-80.07
Sismica	-8.72	-619.95	-71.14
Sismica	-8.92	-632.25	-61.53
Sismica	-9.12	-642.5	-51.23
Sismica	-9.32	-650.55	-40.24
Sismica	-9.52	-656.26	-28.56
Sismica	-9.72	-659.5	-16.2
Sismica	-9.92	-660.28	-3.87
Sismica	-10.12	-658.71	7.81
Sismica	-10.32	-654.94	18.88
Sismica	-10.52	-649.07	29.33
Sismica	-10.72	-641.24	39.17
Sismica	-10.92	-631.56	48.4
Sismica	-11.12	-620.15	57.05
Sismica	-11.32	-607.12	65.11
Sismica	-11.52	-592.61	72.59
Sismica	-11.72	-576.7	79.51
Sismica	-11.92	-559.53	85.86
Sismica	-12.12	-541.2	91.65
Sismica	-12.32	-521.82	96.9
Sismica	-12.52	-501.5	101.6
Sismica	-12.72	-480.35	105.76
Sismica	-12.92	-458.47	109.4
Sismica	-13.12	-435.97	112.51

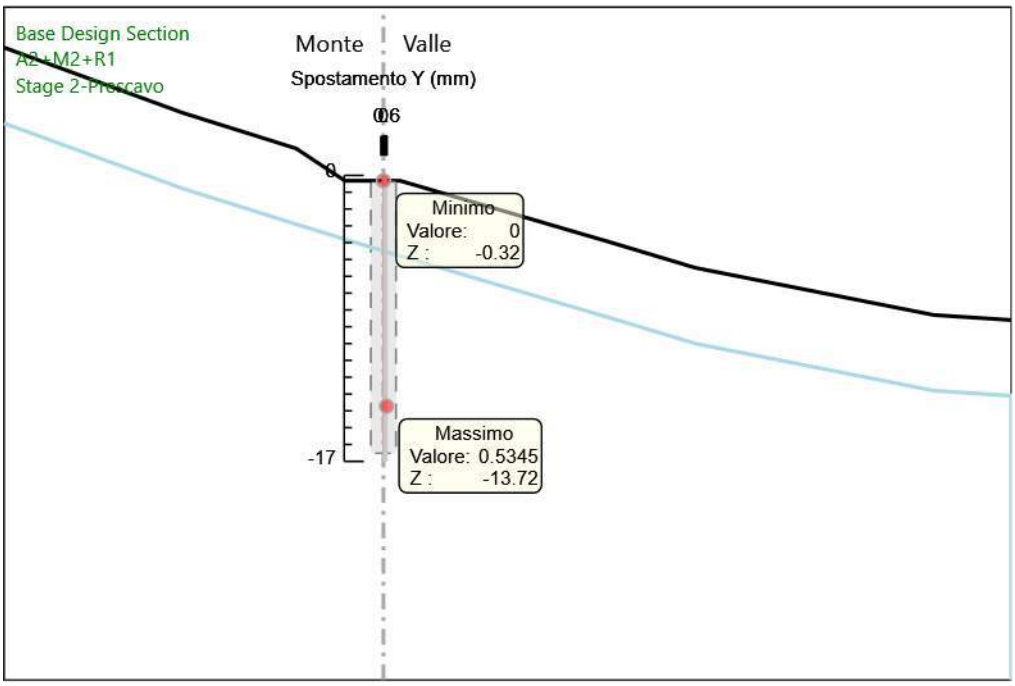
Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Sismica	-13.32	-412.95	115.1
Sismica	-13.52	-389.51	117.17
Sismica	-13.72	-365.77	118.74
Sismica	-13.92	-341.81	119.8
Sismica	-14.12	-314.27	137.69
Sismica	-14.32	-283.81	152.31
Sismica	-14.52	-251.07	163.69
Sismica	-14.72	-216.7	171.84
Sismica	-14.92	-181.34	176.8
Sismica	-15.12	-145.91	177.17
Sismica	-15.32	-111.75	170.76
Sismica	-15.52	-80.56	155.95
Sismica	-15.72	-53.48	135.42
Sismica	-15.92	-31.18	111.47
Sismica	-16.12	-14.38	84.02
Sismica	-16.32	-3.76	53.1
Sismica	-16.52	0	18.8

6.3.8. Grafico Spostamento A2+M2+R1 - Stage: Stage 1



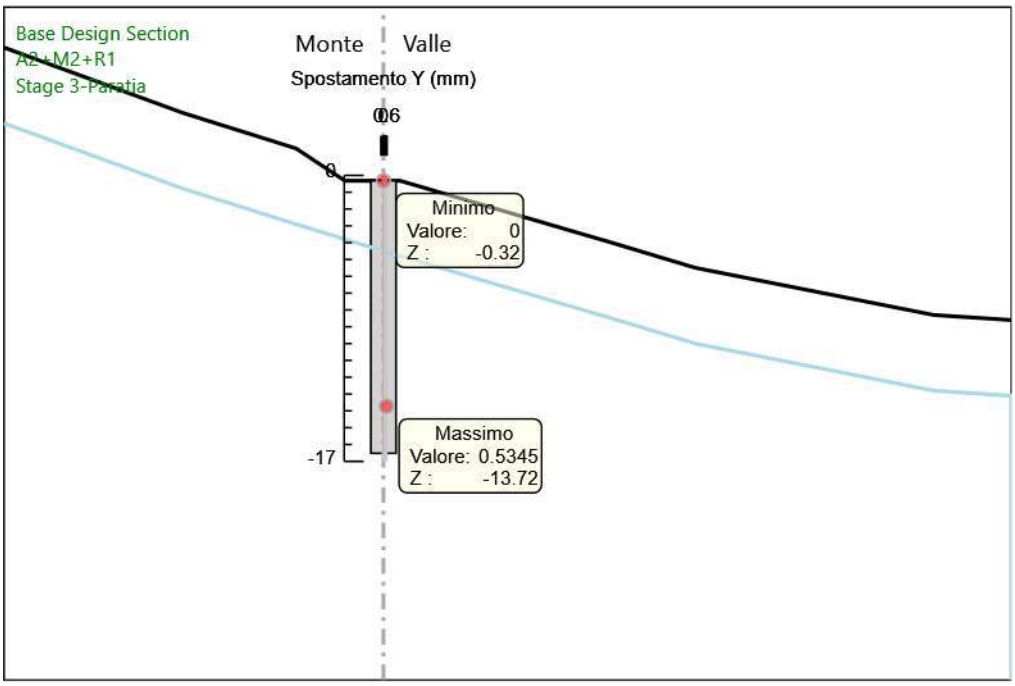
Design Assumption: A2+M2+R1
Stage: Stage 1
Spostamento orizzontale

6.3.9. Grafico Spostamento A2+M2+R1 - Stage: Stage 2-Prescavo



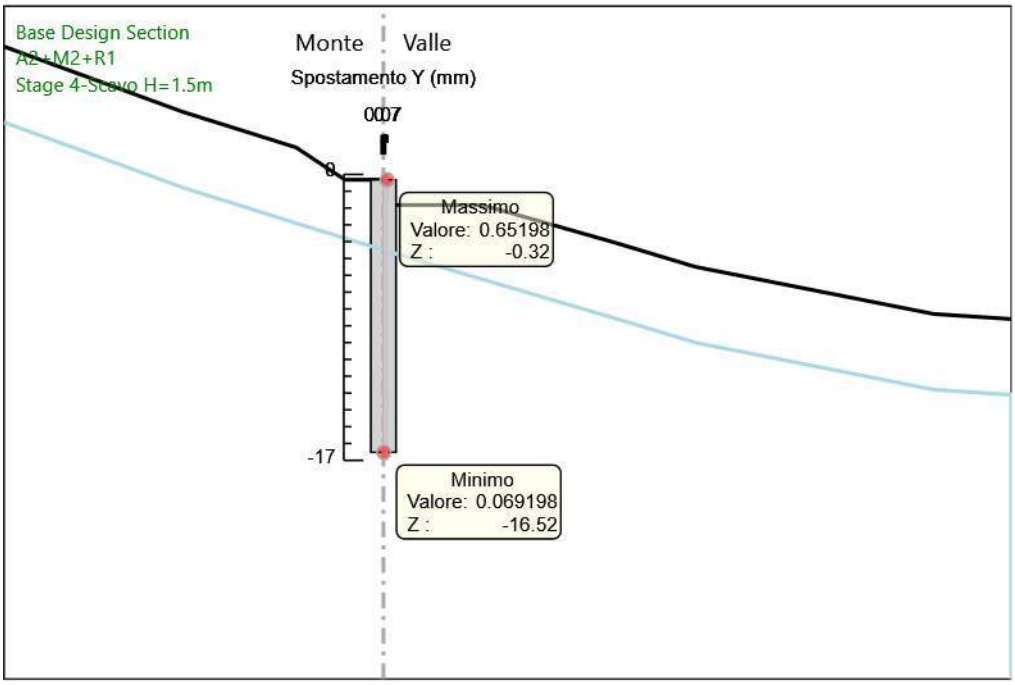
Design Assumption: A2+M2+R1
Stage: Stage 2-Prescavo
Spostamento orizzontale

6.3.10. Grafico Spostamento A2+M2+R1 - Stage: Stage 3-Paratia



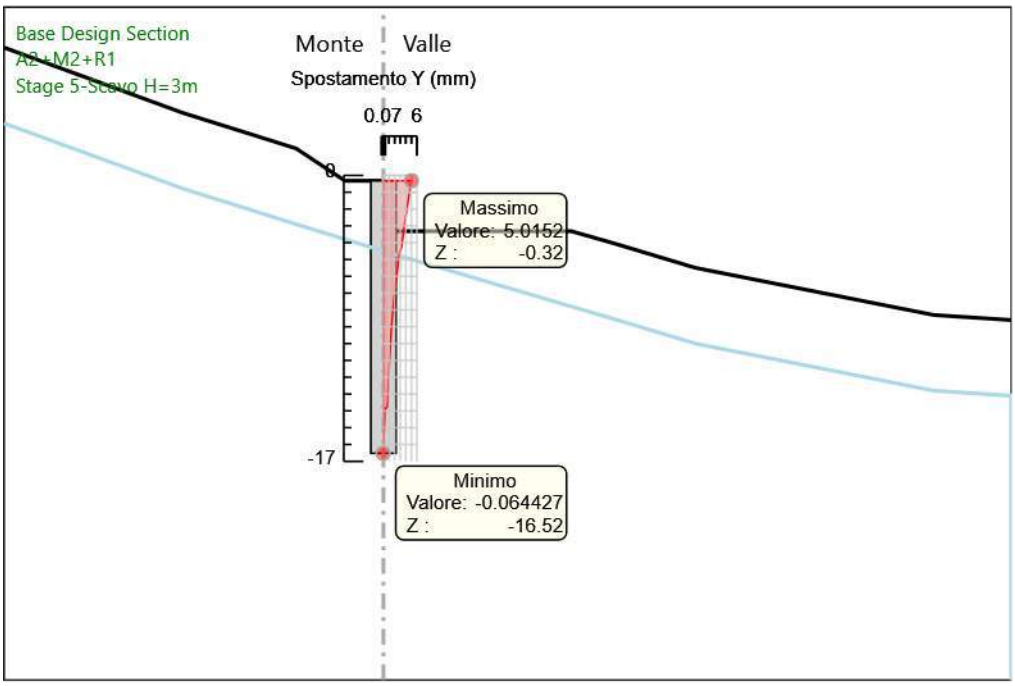
Design Assumption: A2+M2+R1
Stage: Stage 3-Paratia
Spostamento orizzontale

6.3.11. Grafico Spostamento A2+M2+R1 - Stage: Stage 4-Scavo H=1.5m



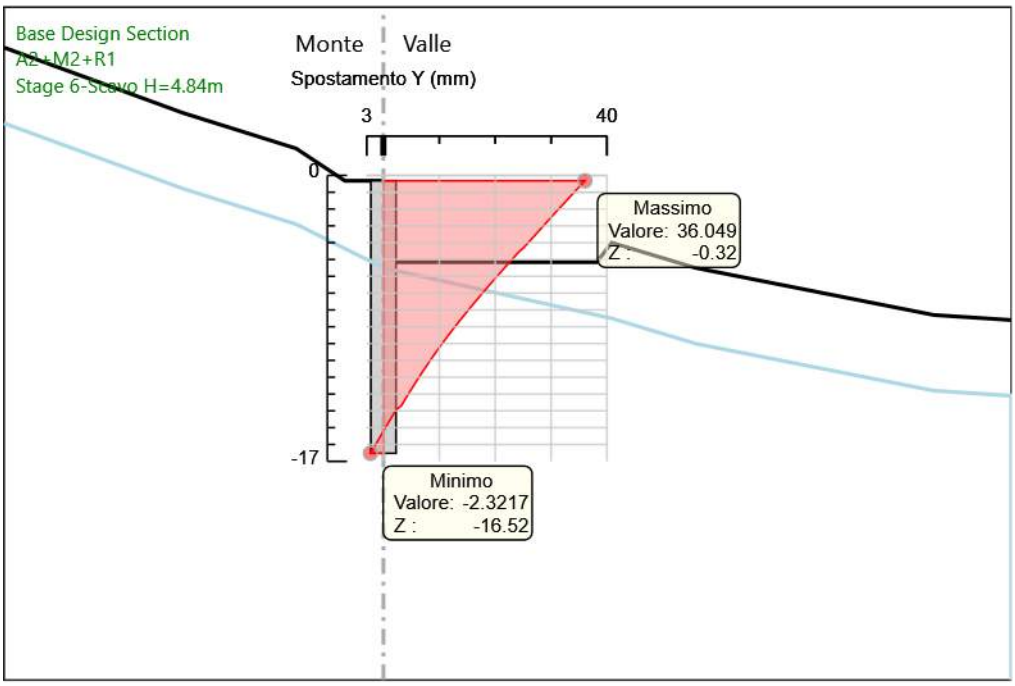
Design Assumption: A2+M2+R1
Stage: Stage 4-Scavo H=1.5m
Spostamento orizzontale

6.3.12. Grafico Spostamento A2+M2+R1 - Stage: Stage 5-Scavo H=3m



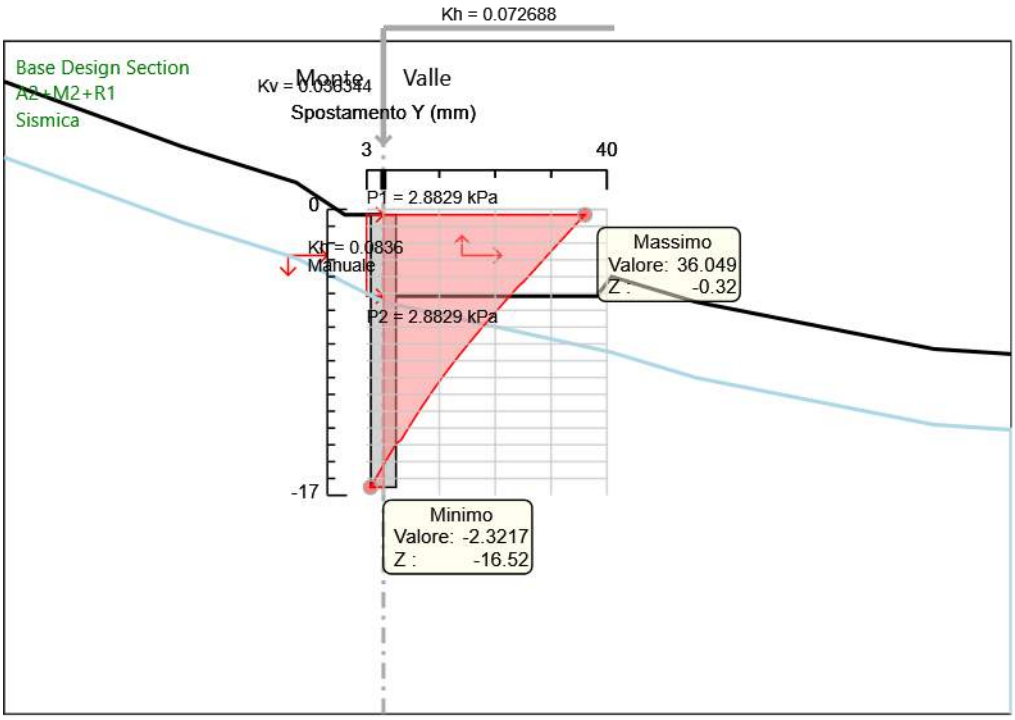
Design Assumption: A2+M2+R1
Stage: Stage 5-Scavo H=3m
Spostamento orizzontale

6.3.13. Grafico Spostamento A2+M2+R1 - Stage: Stage 6-Scavo H=4.84m



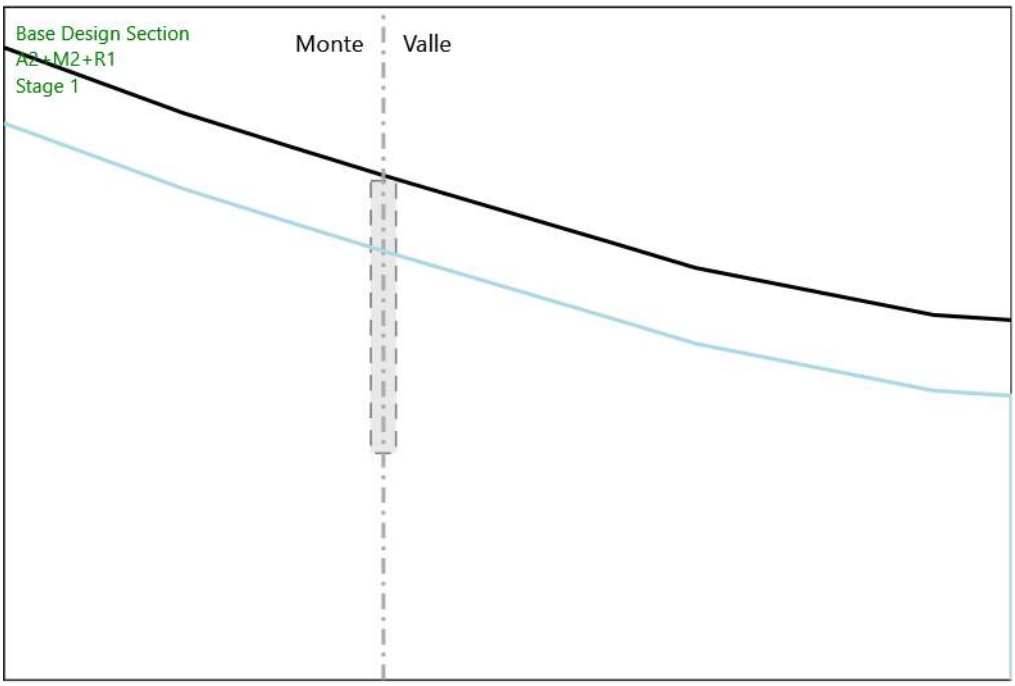
Design Assumption: A2+M2+R1
Stage: Stage 6-Scavo H=4.84m
Spostamento orizzontale

6.3.14. Grafico Spostamento A2+M2+R1 - Stage: Sismica



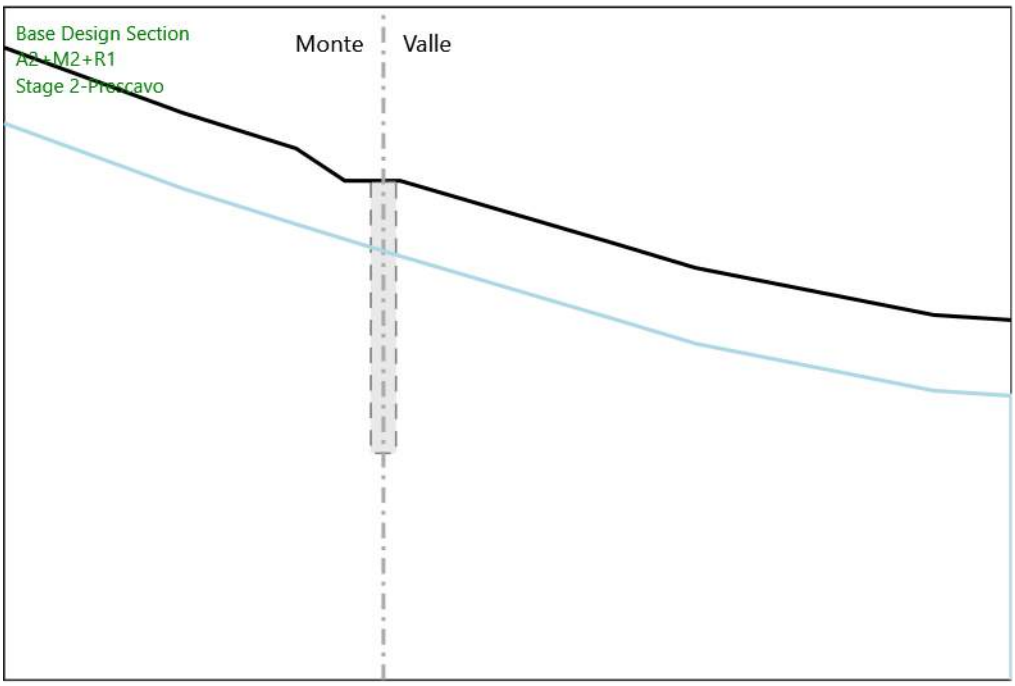
Design Assumption: A2+M2+R1
Stage: Sismica
Spostamento orizzontale

6.3.15. Grafico Risultati Momento A2+M2+R1 - Stage: Stage 1



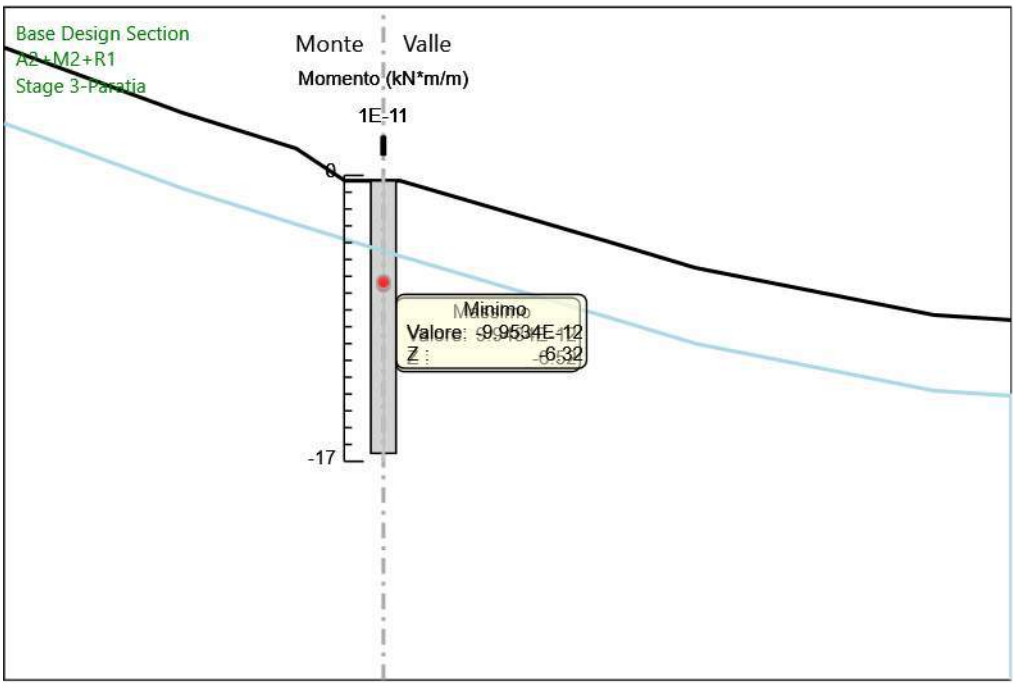
Design Assumption: A2+M2+R1
Stage: Stage 1
Momento

6.3.16. Grafico Risultati Momento A2+M2+R1 - Stage: Stage 2-Prescavo



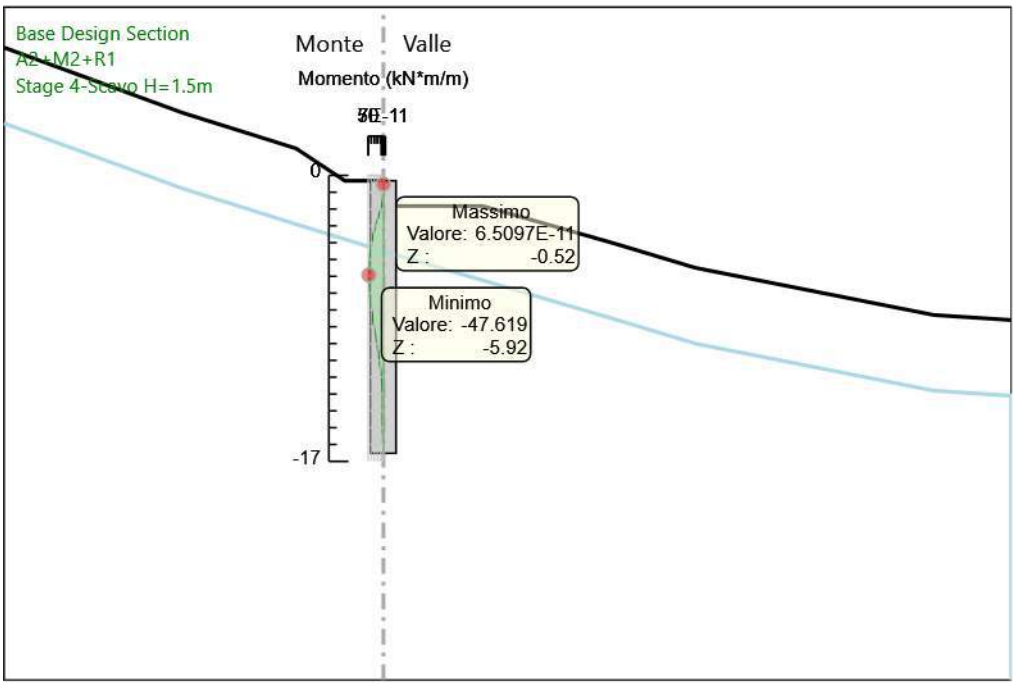
Design Assumption: A2+M2+R1
Stage: Stage 2-Prescavo
Momento

6.3.17. Grafico Risultati Momento A2+M2+R1 - Stage: Stage 3-Paratia



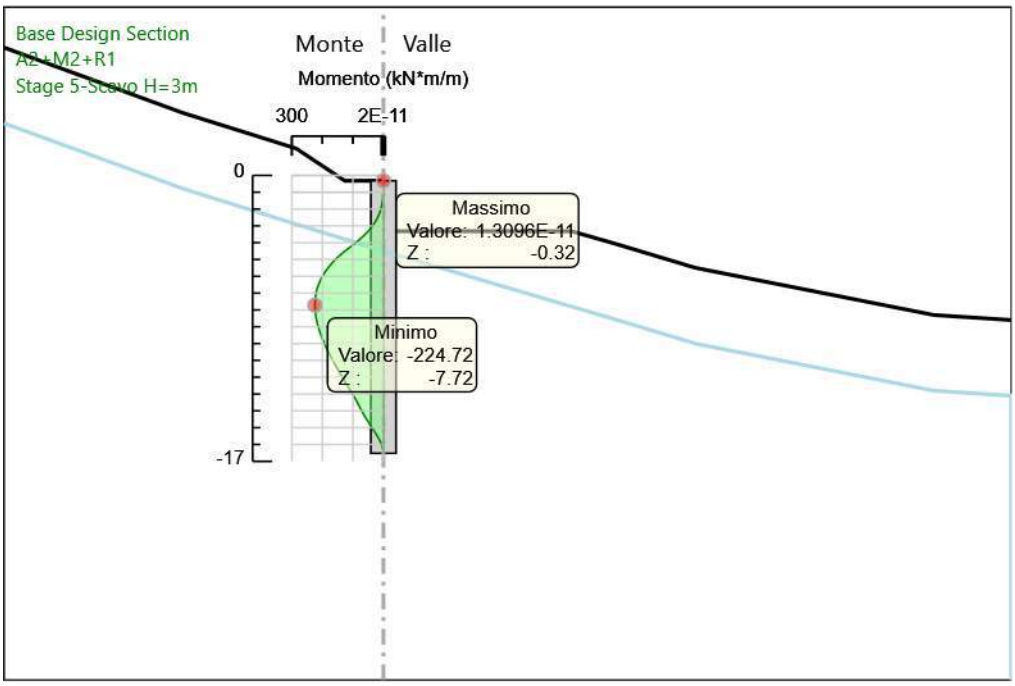
Design Assumption: A2+M2+R1
Stage: Stage 3-Paratia
Momento

6.3.18. Grafico Risultati Momento A2+M2+R1 - Stage: Stage 4-Scavo H=1.5m



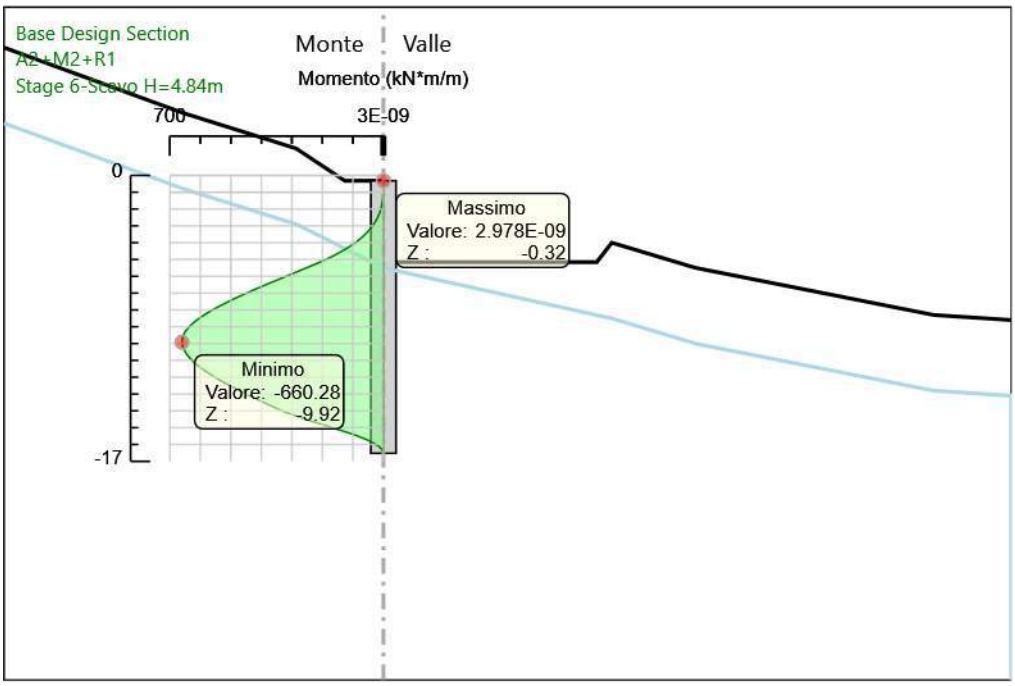
Design Assumption: A2+M2+R1
Stage: Stage 4-Scavo H=1.5m
Momento

6.3.19. Grafico Risultati Momento A2+M2+R1 - Stage: Stage 5-Scavo H=3m



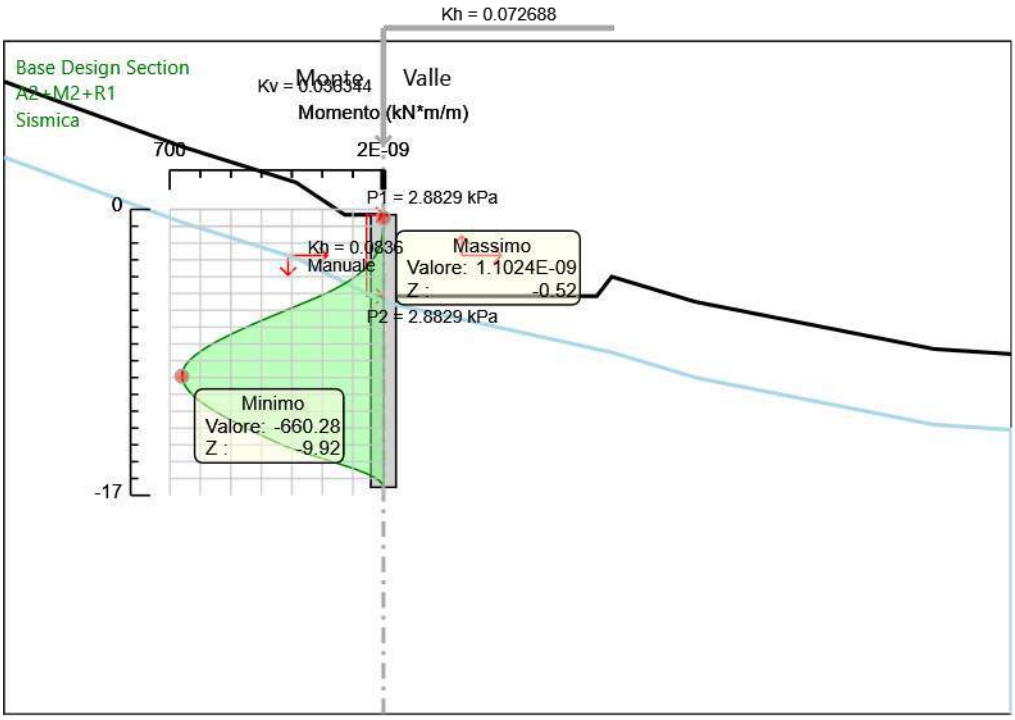
Design Assumption: A2+M2+R1
Stage: Stage 5-Scavo H=3m
Momento

6.3.20. Grafico Risultati Momento A2+M2+R1 - Stage: Stage 6-Scavo H=4.84m



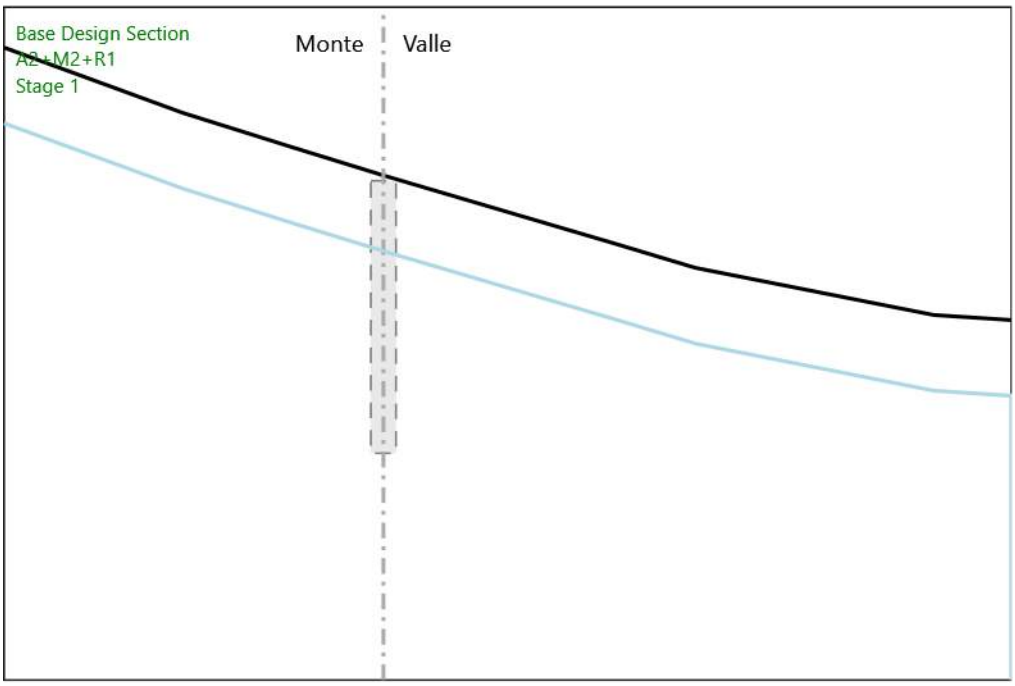
Design Assumption: A2+M2+R1
Stage: Stage 6-Scavo H=4.84m
Momento

6.3.21. Grafico Risultati Momento A2+M2+R1 - Stage: Sismica



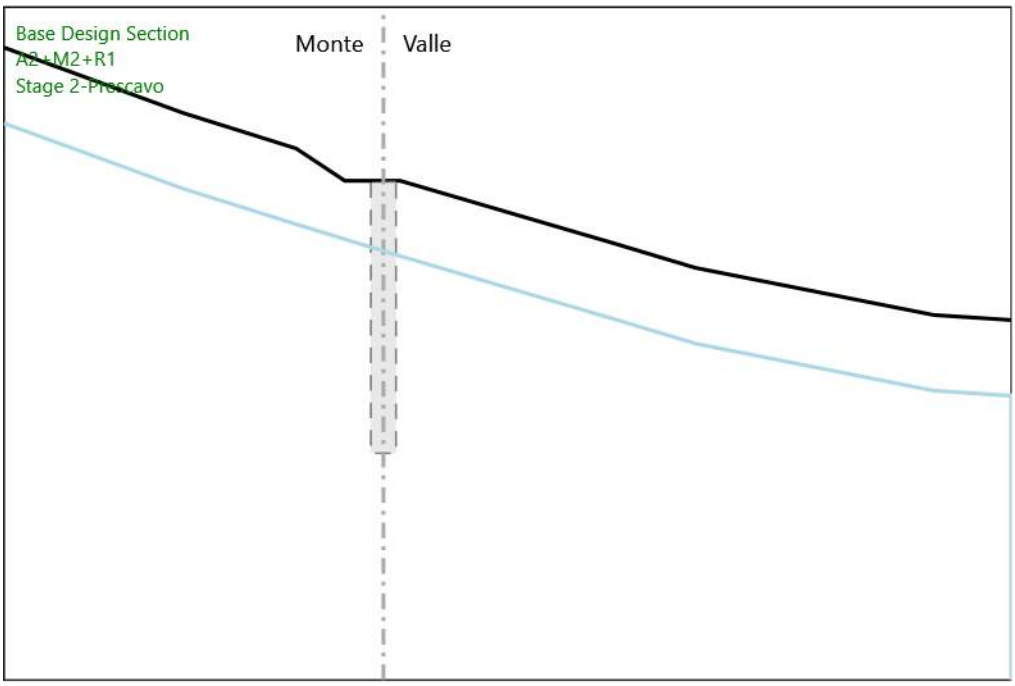
Design Assumption: A2+M2+R1
Stage: Sismica
Momento

6.3.22. Grafico Risultati Taglio A2+M2+R1 - Stage: Stage 1



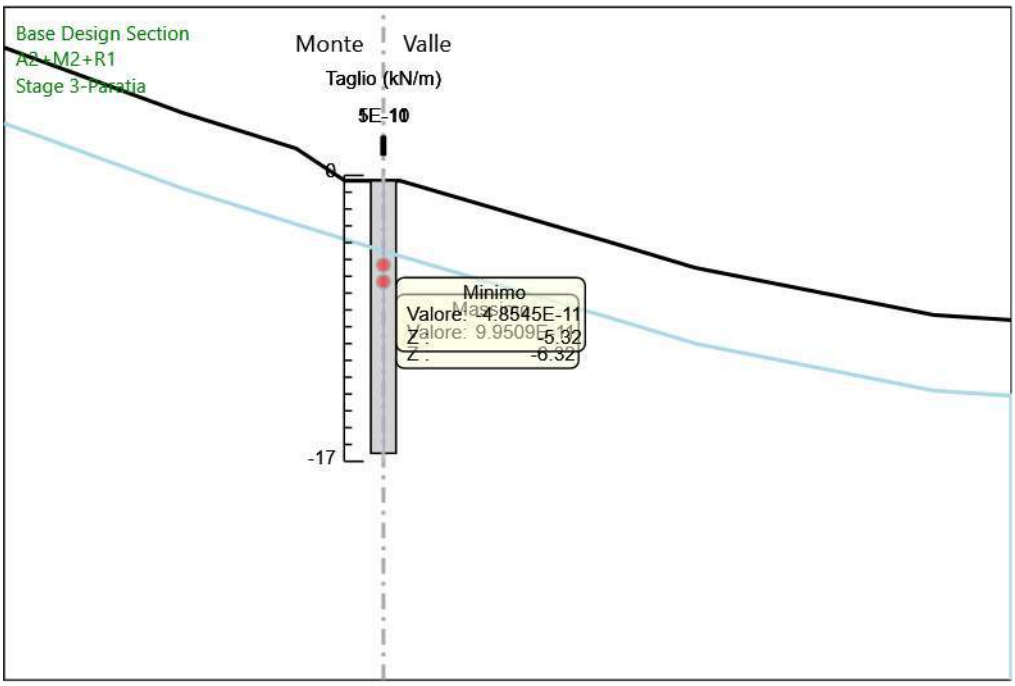
Design Assumption: A2+M2+R1
Stage: Stage 1
Taglio

6.3.23. Grafico Risultati Taglio A2+M2+R1 - Stage: Stage 2-Prescavo



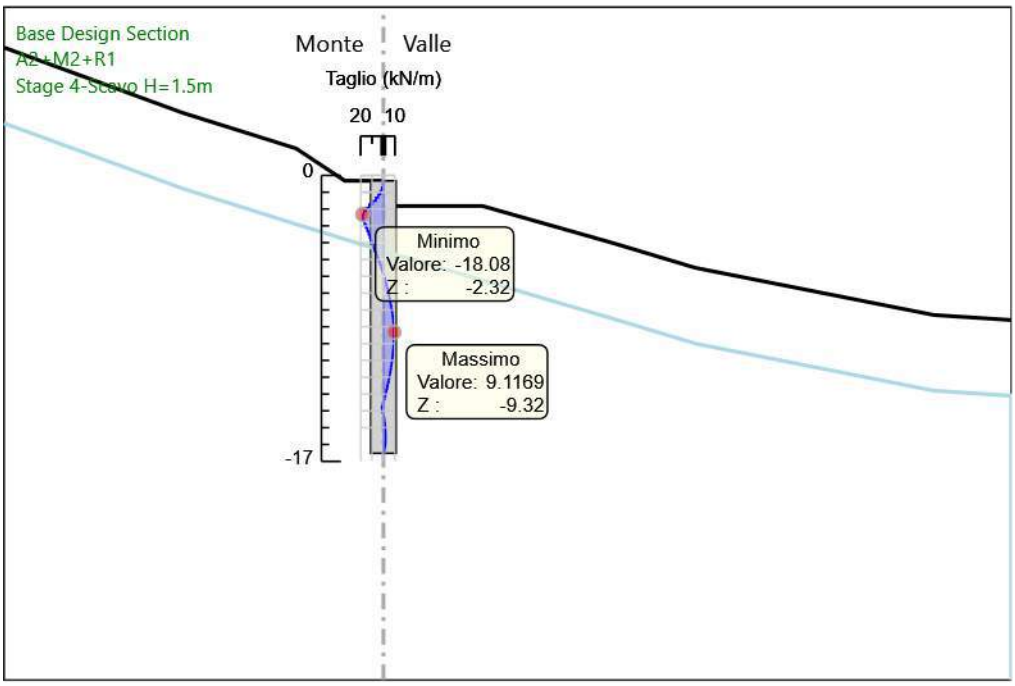
Design Assumption: A2+M2+R1
Stage: Stage 2-Prescavo
Taglio

6.3.24. Grafico Risultati Taglio A2+M2+R1 - Stage: Stage 3-Paratia



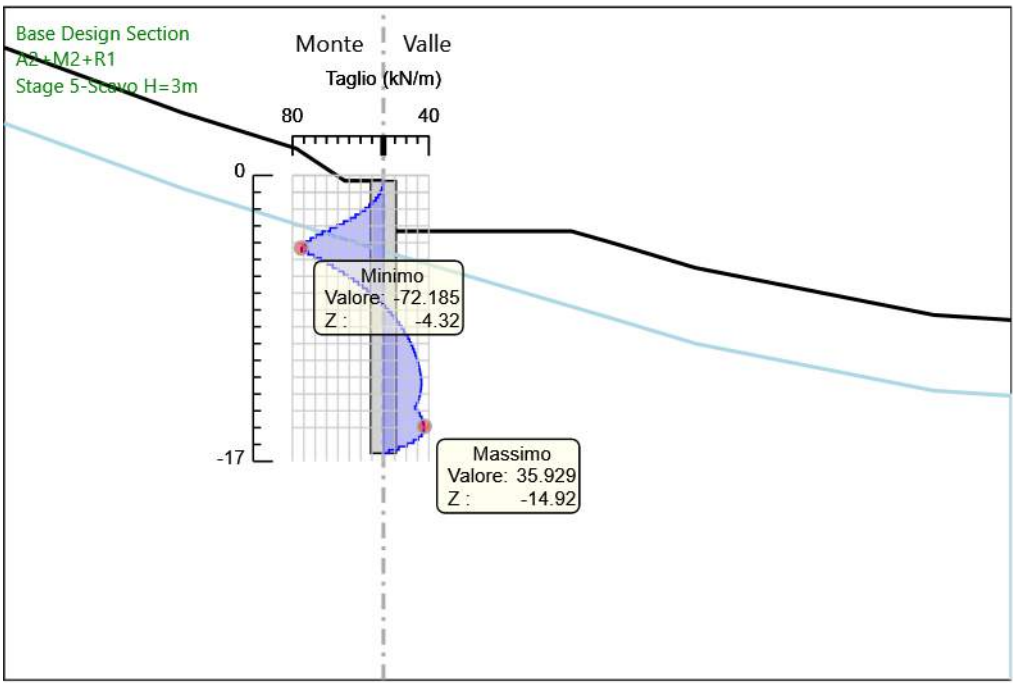
Design Assumption: A2+M2+R1
Stage: Stage 3-Paratia
Taglio

6.3.25. Grafico Risultati Taglio A2+M2+R1 - Stage: Stage 4-Scavo H=1.5m



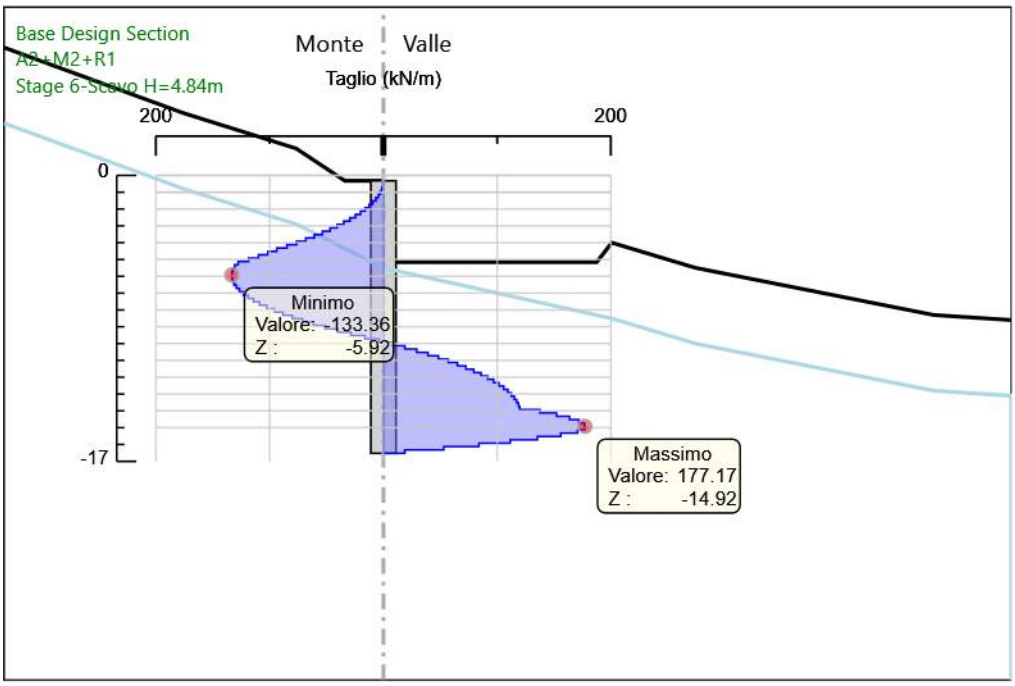
Design Assumption: A2+M2+R1
Stage: Stage 4-Scavo H=1.5m
Taglio

6.3.26. Grafico Risultati Taglio A2+M2+R1 - Stage: Stage 5-Scavo H=3m



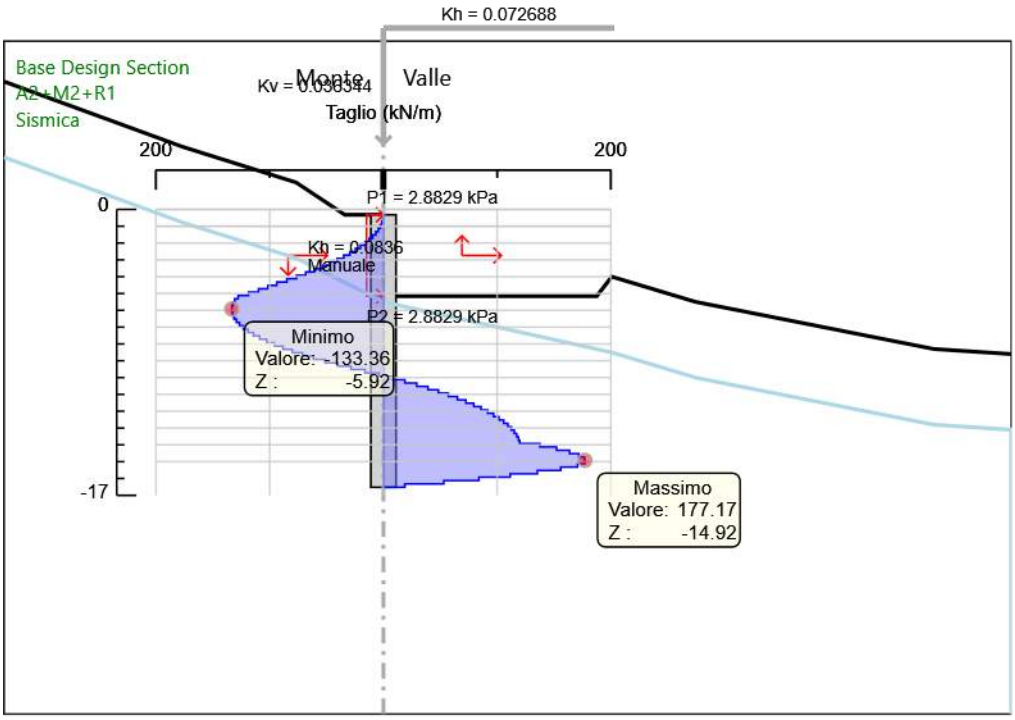
Design Assumption: A2+M2+R1
Stage: Stage 5-Scavo H=3m
Taglio

6.3.27. Grafico Risultati Taglio A2+M2+R1 - Stage: Stage 6-Scavo H=4.84m



Design Assumption: A2+M2+R1
Stage: Stage 6-Scavo H=4.84m
Taglio

6.3.28. Grafico Risultati Taglio A2+M2+R1 - Stage: Sismica



Design Assumption: A2+M2+R1
Stage: Sismica
Taglio

6.4. Risultati SISMICA STR

6.4.1. Tabella Risultati Paratia SISMICA STR - Left Wall - Stage: Stage 1

Design Assumption: SISMICA STR Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	-0.32	0	0
Stage 1	-0.52	0	0
Stage 1	-0.72	0	0
Stage 1	-0.92	0	0
Stage 1	-1.12	0	0
Stage 1	-1.32	0	0
Stage 1	-1.52	0	0
Stage 1	-1.72	0	0
Stage 1	-1.92	0	0
Stage 1	-2.12	0	0
Stage 1	-2.32	0	0
Stage 1	-2.52	0	0
Stage 1	-2.72	0	0
Stage 1	-2.92	0	0
Stage 1	-3.12	0	0
Stage 1	-3.32	0	0
Stage 1	-3.52	0	0
Stage 1	-3.72	0	0
Stage 1	-3.92	0	0
Stage 1	-4.12	0	0
Stage 1	-4.32	0	0
Stage 1	-4.52	0	0
Stage 1	-4.72	0	0
Stage 1	-4.92	0	0
Stage 1	-5.12	0	0
Stage 1	-5.32	0	0
Stage 1	-5.52	0	0
Stage 1	-5.72	0	0
Stage 1	-5.92	0	0
Stage 1	-6.12	0	0
Stage 1	-6.32	0	0
Stage 1	-6.52	0	0
Stage 1	-6.72	0	0
Stage 1	-6.92	0	0
Stage 1	-7.12	0	0
Stage 1	-7.32	0	0
Stage 1	-7.52	0	0
Stage 1	-7.72	0	0
Stage 1	-7.92	0	0
Stage 1	-8.12	0	0
Stage 1	-8.32	0	0
Stage 1	-8.52	0	0
Stage 1	-8.72	0	0
Stage 1	-8.92	0	0
Stage 1	-9.12	0	0
Stage 1	-9.32	0	0
Stage 1	-9.52	0	0
Stage 1	-9.72	0	0
Stage 1	-9.92	0	0
Stage 1	-10.12	0	0
Stage 1	-10.32	0	0
Stage 1	-10.52	0	0
Stage 1	-10.72	0	0
Stage 1	-10.92	0	0
Stage 1	-11.12	0	0
Stage 1	-11.32	0	0
Stage 1	-11.52	0	0
Stage 1	-11.72	0	0
Stage 1	-11.92	0	0
Stage 1	-12.12	0	0
Stage 1	-12.32	0	0
Stage 1	-12.52	0	0
Stage 1	-12.72	0	0
Stage 1	-12.92	0	0

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 1	-13.12	0	0
Stage 1	-13.32	0	0
Stage 1	-13.52	0	0
Stage 1	-13.72	0	0
Stage 1	-13.92	0	0
Stage 1	-14.12	0	0
Stage 1	-14.32	0	0
Stage 1	-14.52	0	0
Stage 1	-14.72	0	0
Stage 1	-14.92	0	0
Stage 1	-15.12	0	0
Stage 1	-15.32	0	0
Stage 1	-15.52	0	0
Stage 1	-15.72	0	0
Stage 1	-15.92	0	0
Stage 1	-16.12	0	0
Stage 1	-16.32	0	0
Stage 1	-16.52	0	0

6.4.2. Tabella Risultati Paratia SISMICA STR - Left Wall - Stage: Stage 2-Prescavo

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2-Prescavo	-0.32	0	0
Stage 2-Prescavo	-0.52	0	0
Stage 2-Prescavo	-0.72	0	0
Stage 2-Prescavo	-0.92	0	0
Stage 2-Prescavo	-1.12	0	0
Stage 2-Prescavo	-1.32	0	0
Stage 2-Prescavo	-1.52	0	0
Stage 2-Prescavo	-1.72	0	0
Stage 2-Prescavo	-1.92	0	0
Stage 2-Prescavo	-2.12	0	0
Stage 2-Prescavo	-2.32	0	0
Stage 2-Prescavo	-2.52	0	0
Stage 2-Prescavo	-2.72	0	0
Stage 2-Prescavo	-2.92	0	0
Stage 2-Prescavo	-3.12	0	0
Stage 2-Prescavo	-3.32	0	0
Stage 2-Prescavo	-3.52	0	0
Stage 2-Prescavo	-3.72	0	0
Stage 2-Prescavo	-3.92	0	0
Stage 2-Prescavo	-4.12	0	0
Stage 2-Prescavo	-4.32	0	0
Stage 2-Prescavo	-4.52	0	0
Stage 2-Prescavo	-4.72	0	0
Stage 2-Prescavo	-4.92	0	0
Stage 2-Prescavo	-5.12	0	0
Stage 2-Prescavo	-5.32	0	0
Stage 2-Prescavo	-5.52	0	0
Stage 2-Prescavo	-5.72	0	0
Stage 2-Prescavo	-5.92	0	0
Stage 2-Prescavo	-6.12	0	0
Stage 2-Prescavo	-6.32	0	0
Stage 2-Prescavo	-6.52	0	0
Stage 2-Prescavo	-6.72	0	0
Stage 2-Prescavo	-6.92	0	0
Stage 2-Prescavo	-7.12	0	0
Stage 2-Prescavo	-7.32	0	0
Stage 2-Prescavo	-7.52	0	0
Stage 2-Prescavo	-7.72	0	0
Stage 2-Prescavo	-7.92	0	0
Stage 2-Prescavo	-8.12	0	0
Stage 2-Prescavo	-8.32	0	0
Stage 2-Prescavo	-8.52	0	0
Stage 2-Prescavo	-8.72	0	0
Stage 2-Prescavo	-8.92	0	0
Stage 2-Prescavo	-9.12	0	0
Stage 2-Prescavo	-9.32	0	0
Stage 2-Prescavo	-9.52	0	0
Stage 2-Prescavo	-9.72	0	0
Stage 2-Prescavo	-9.92	0	0
Stage 2-Prescavo	-10.12	0	0
Stage 2-Prescavo	-10.32	0	0
Stage 2-Prescavo	-10.52	0	0
Stage 2-Prescavo	-10.72	0	0
Stage 2-Prescavo	-10.92	0	0
Stage 2-Prescavo	-11.12	0	0
Stage 2-Prescavo	-11.32	0	0
Stage 2-Prescavo	-11.52	0	0
Stage 2-Prescavo	-11.72	0	0
Stage 2-Prescavo	-11.92	0	0
Stage 2-Prescavo	-12.12	0	0
Stage 2-Prescavo	-12.32	0	0
Stage 2-Prescavo	-12.52	0	0
Stage 2-Prescavo	-12.72	0	0
Stage 2-Prescavo	-12.92	0	0
Stage 2-Prescavo	-13.12	0	0
Stage 2-Prescavo	-13.32	0	0
Stage 2-Prescavo	-13.52	0	0

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2-Prescavo	-13.72	0	0
Stage 2-Prescavo	-13.92	0	0
Stage 2-Prescavo	-14.12	0	0
Stage 2-Prescavo	-14.32	0	0
Stage 2-Prescavo	-14.52	0	0
Stage 2-Prescavo	-14.72	0	0
Stage 2-Prescavo	-14.92	0	0
Stage 2-Prescavo	-15.12	0	0
Stage 2-Prescavo	-15.32	0	0
Stage 2-Prescavo	-15.52	0	0
Stage 2-Prescavo	-15.72	0	0
Stage 2-Prescavo	-15.92	0	0
Stage 2-Prescavo	-16.12	0	0
Stage 2-Prescavo	-16.32	0	0
Stage 2-Prescavo	-16.52	0	0

6.4.3. Tabella Risultati Paratia SISMICA STR - Left Wall - Stage: Stage 3-Paratia

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-0.32	0	0
Stage 3-Paratia	-0.52	0	0
Stage 3-Paratia	-0.52	0	0
Stage 3-Paratia	-0.72	0	0
Stage 3-Paratia	-0.92	0	0
Stage 3-Paratia	-1.12	0	0
Stage 3-Paratia	-1.32	0	0
Stage 3-Paratia	-1.52	0	0
Stage 3-Paratia	-1.72	0	0
Stage 3-Paratia	-1.92	0	0
Stage 3-Paratia	-2.12	0	0
Stage 3-Paratia	-2.32	0	0
Stage 3-Paratia	-2.52	0	0
Stage 3-Paratia	-2.72	0	0
Stage 3-Paratia	-2.92	0	0
Stage 3-Paratia	-3.12	0	0
Stage 3-Paratia	-3.32	0	0
Stage 3-Paratia	-3.52	0	0
Stage 3-Paratia	-3.72	0	0
Stage 3-Paratia	-3.92	0	0
Stage 3-Paratia	-4.12	0	0
Stage 3-Paratia	-4.32	0	0
Stage 3-Paratia	-4.32	0	0
Stage 3-Paratia	-4.52	0	0
Stage 3-Paratia	-4.52	0	0
Stage 3-Paratia	-4.72	0	0
Stage 3-Paratia	-4.72	0	0
Stage 3-Paratia	-4.92	0	0
Stage 3-Paratia	-4.92	0	0
Stage 3-Paratia	-5.12	0	0
Stage 3-Paratia	-5.12	0	0
Stage 3-Paratia	-5.32	0	0
Stage 3-Paratia	-5.32	0	0
Stage 3-Paratia	-5.52	0	0
Stage 3-Paratia	-5.52	0	0
Stage 3-Paratia	-5.72	0	0
Stage 3-Paratia	-5.72	0	0
Stage 3-Paratia	-5.92	0	0
Stage 3-Paratia	-5.92	0	0
Stage 3-Paratia	-6.12	0	0
Stage 3-Paratia	-6.12	0	0
Stage 3-Paratia	-6.32	0	0
Stage 3-Paratia	-6.32	0	0
Stage 3-Paratia	-6.52	0	0
Stage 3-Paratia	-6.52	0	0
Stage 3-Paratia	-6.72	0	0
Stage 3-Paratia	-6.72	0	0
Stage 3-Paratia	-6.92	0	0
Stage 3-Paratia	-6.92	0	0
Stage 3-Paratia	-7.12	0	0
Stage 3-Paratia	-7.12	0	0
Stage 3-Paratia	-7.32	0	0
Stage 3-Paratia	-7.32	0	0
Stage 3-Paratia	-7.52	0	0
Stage 3-Paratia	-7.52	0	0
Stage 3-Paratia	-7.72	0	0
Stage 3-Paratia	-7.72	0	0
Stage 3-Paratia	-7.92	0	0
Stage 3-Paratia	-7.92	0	0
Stage 3-Paratia	-8.12	0	0
Stage 3-Paratia	-8.12	0	0
Stage 3-Paratia	-8.32	0	0
Stage 3-Paratia	-8.32	0	0
Stage 3-Paratia	-8.52	0	0
Stage 3-Paratia	-8.52	0	0
Stage 3-Paratia	-8.72	0	0
Stage 3-Paratia	-8.72	0	0

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-8.92	0	0
Stage 3-Paratia	-8.92	0	0
Stage 3-Paratia	-9.12	0	0
Stage 3-Paratia	-9.12	0	0
Stage 3-Paratia	-9.32	0	0
Stage 3-Paratia	-9.32	0	0
Stage 3-Paratia	-9.52	0	0
Stage 3-Paratia	-9.52	0	0
Stage 3-Paratia	-9.72	0	0
Stage 3-Paratia	-9.72	0	0
Stage 3-Paratia	-9.92	0	0
Stage 3-Paratia	-9.92	0	0
Stage 3-Paratia	-10.12	0	0
Stage 3-Paratia	-10.12	0	0
Stage 3-Paratia	-10.32	0	0
Stage 3-Paratia	-10.32	0	0
Stage 3-Paratia	-10.52	0	0
Stage 3-Paratia	-10.52	0	0
Stage 3-Paratia	-10.72	0	0
Stage 3-Paratia	-10.72	0	0
Stage 3-Paratia	-10.92	0	0
Stage 3-Paratia	-10.92	0	0
Stage 3-Paratia	-11.12	0	0
Stage 3-Paratia	-11.12	0	0
Stage 3-Paratia	-11.32	0	0
Stage 3-Paratia	-11.32	0	0
Stage 3-Paratia	-11.52	0	0
Stage 3-Paratia	-11.52	0	0
Stage 3-Paratia	-11.72	0	0
Stage 3-Paratia	-11.72	0	0
Stage 3-Paratia	-11.92	0	0
Stage 3-Paratia	-11.92	0	0
Stage 3-Paratia	-12.12	0	0
Stage 3-Paratia	-12.12	0	0
Stage 3-Paratia	-12.32	0	0
Stage 3-Paratia	-12.32	0	0
Stage 3-Paratia	-12.52	0	0
Stage 3-Paratia	-12.52	0	0
Stage 3-Paratia	-12.72	0	0
Stage 3-Paratia	-12.72	0	0
Stage 3-Paratia	-12.92	0	0
Stage 3-Paratia	-12.92	0	0
Stage 3-Paratia	-13.12	0	0
Stage 3-Paratia	-13.12	0	0
Stage 3-Paratia	-13.32	0	0
Stage 3-Paratia	-13.32	0	0
Stage 3-Paratia	-13.52	0	0
Stage 3-Paratia	-13.52	0	0
Stage 3-Paratia	-13.72	0	0
Stage 3-Paratia	-13.72	0	0
Stage 3-Paratia	-13.92	0	0
Stage 3-Paratia	-13.92	0	0
Stage 3-Paratia	-14.12	0	0
Stage 3-Paratia	-14.12	0	0
Stage 3-Paratia	-14.32	0	0
Stage 3-Paratia	-14.32	0	0
Stage 3-Paratia	-14.52	0	0
Stage 3-Paratia	-14.52	0	0
Stage 3-Paratia	-14.72	0	0
Stage 3-Paratia	-14.72	0	0
Stage 3-Paratia	-14.92	0	0
Stage 3-Paratia	-14.92	0	0
Stage 3-Paratia	-15.12	0	0
Stage 3-Paratia	-15.12	0	0
Stage 3-Paratia	-15.32	0	0
Stage 3-Paratia	-15.32	0	0
Stage 3-Paratia	-15.52	0	0
Stage 3-Paratia	-15.52	0	0
Stage 3-Paratia	-15.72	0	0
Stage 3-Paratia	-15.72	0	0
Stage 3-Paratia	-15.92	0	0

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-15.92	0	0
Stage 3-Paratia	-16.12	0	0
Stage 3-Paratia	-16.12	0	0
Stage 3-Paratia	-16.32	0	0
Stage 3-Paratia	-16.32	0	0
Stage 3-Paratia	-16.52	0	0

6.4.4. Tabella Risultati Paratia SISMICA STR - Left Wall - Stage: Stage 4-Scavo H=1.5m

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=1.5m	-0.32	0	0
Stage 4-Scavo H=1.5m	-0.52	0	0
Stage 4-Scavo H=1.5m	-0.52	0	0
Stage 4-Scavo H=1.5m	-0.72	-0.08	-0.39
Stage 4-Scavo H=1.5m	-0.92	-0.31	-1.16
Stage 4-Scavo H=1.5m	-1.12	-0.77	-2.32
Stage 4-Scavo H=1.5m	-1.32	-1.55	-3.87
Stage 4-Scavo H=1.5m	-1.52	-2.71	-5.8
Stage 4-Scavo H=1.5m	-1.72	-4.33	-8.12
Stage 4-Scavo H=1.5m	-1.92	-6.5	-10.83
Stage 4-Scavo H=1.5m	-2.12	-9.11	-13.07
Stage 4-Scavo H=1.5m	-2.32	-11.91	-14
Stage 4-Scavo H=1.5m	-2.52	-14.64	-13.61
Stage 4-Scavo H=1.5m	-2.72	-17.21	-12.88
Stage 4-Scavo H=1.5m	-2.92	-19.64	-12.16
Stage 4-Scavo H=1.5m	-3.12	-21.94	-11.48
Stage 4-Scavo H=1.5m	-3.32	-24.1	-10.82
Stage 4-Scavo H=1.5m	-3.52	-26.14	-10.2
Stage 4-Scavo H=1.5m	-3.72	-28.06	-9.6
Stage 4-Scavo H=1.5m	-3.92	-29.87	-9.04
Stage 4-Scavo H=1.5m	-4.12	-31.58	-8.52
Stage 4-Scavo H=1.5m	-4.32	-33.18	-8.02
Stage 4-Scavo H=1.5m	-4.52	-34.7	-7.58
Stage 4-Scavo H=1.5m	-4.72	-35.82	-5.62
Stage 4-Scavo H=1.5m	-4.92	-36.58	-3.81
Stage 4-Scavo H=1.5m	-5.12	-37.02	-2.16
Stage 4-Scavo H=1.5m	-5.32	-37.15	-0.66
Stage 4-Scavo H=1.5m	-5.52	-37.01	0.7
Stage 4-Scavo H=1.5m	-5.72	-36.62	1.92
Stage 4-Scavo H=1.5m	-5.92	-36.02	3.02
Stage 4-Scavo H=1.5m	-6.12	-35.22	3.99
Stage 4-Scavo H=1.5m	-6.32	-34.25	4.85
Stage 4-Scavo H=1.5m	-6.52	-33.13	5.6
Stage 4-Scavo H=1.5m	-6.72	-31.89	6.24
Stage 4-Scavo H=1.5m	-6.92	-30.53	6.79
Stage 4-Scavo H=1.5m	-7.12	-29.08	7.26
Stage 4-Scavo H=1.5m	-7.32	-27.55	7.64
Stage 4-Scavo H=1.5m	-7.52	-25.96	7.94
Stage 4-Scavo H=1.5m	-7.72	-24.33	8.17
Stage 4-Scavo H=1.5m	-7.92	-22.66	8.33
Stage 4-Scavo H=1.5m	-8.12	-20.98	8.42
Stage 4-Scavo H=1.5m	-8.32	-19.29	8.46
Stage 4-Scavo H=1.5m	-8.52	-17.6	8.44
Stage 4-Scavo H=1.5m	-8.72	-15.92	8.38
Stage 4-Scavo H=1.5m	-8.92	-14.27	8.26
Stage 4-Scavo H=1.5m	-9.12	-12.65	8.1
Stage 4-Scavo H=1.5m	-9.32	-11.07	7.89
Stage 4-Scavo H=1.5m	-9.52	-9.54	7.65
Stage 4-Scavo H=1.5m	-9.72	-8.07	7.37
Stage 4-Scavo H=1.5m	-9.92	-6.66	7.05
Stage 4-Scavo H=1.5m	-10.12	-5.32	6.7
Stage 4-Scavo H=1.5m	-10.32	-4.05	6.32
Stage 4-Scavo H=1.5m	-10.52	-2.87	5.9
Stage 4-Scavo H=1.5m	-10.72	-1.78	5.45
Stage 4-Scavo H=1.5m	-10.92	-0.79	4.97
Stage 4-Scavo H=1.5m	-11.12	0.11	4.46
Stage 4-Scavo H=1.5m	-11.32	0.89	3.92
Stage 4-Scavo H=1.5m	-11.52	1.56	3.35
Stage 4-Scavo H=1.5m	-11.72	2.11	2.75
Stage 4-Scavo H=1.5m	-11.92	2.53	2.12
Stage 4-Scavo H=1.5m	-12.12	2.82	1.45
Stage 4-Scavo H=1.5m	-12.32	2.97	0.75
Stage 4-Scavo H=1.5m	-12.52	2.98	0.02
Stage 4-Scavo H=1.5m	-12.72	2.83	-0.74
Stage 4-Scavo H=1.5m	-12.92	2.53	-1.54
Stage 4-Scavo H=1.5m	-13.12	2.05	-2.37
Stage 4-Scavo H=1.5m	-13.32	1.4	-3.23

Design Assumption: SISMICA STR Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=1.5m	-13.52	0.58	-4.14
Stage 4-Scavo H=1.5m	-13.72	-0.44	-5.07
Stage 4-Scavo H=1.5m	-13.92	-1.65	-6.05
Stage 4-Scavo H=1.5m	-14.12	-2.48	-4.16
Stage 4-Scavo H=1.5m	-14.32	-2.98	-2.51
Stage 4-Scavo H=1.5m	-14.52	-3.2	-1.11
Stage 4-Scavo H=1.5m	-14.72	-3.19	0.06
Stage 4-Scavo H=1.5m	-14.92	-2.99	1
Stage 4-Scavo H=1.5m	-15.12	-2.65	1.71
Stage 4-Scavo H=1.5m	-15.32	-2.21	2.19
Stage 4-Scavo H=1.5m	-15.52	-1.72	2.45
Stage 4-Scavo H=1.5m	-15.72	-1.22	2.49
Stage 4-Scavo H=1.5m	-15.92	-0.76	2.32
Stage 4-Scavo H=1.5m	-16.12	-0.37	1.93
Stage 4-Scavo H=1.5m	-16.32	-0.1	1.33
Stage 4-Scavo H=1.5m	-16.52	0	0.51

6.4.5. Tabella Risultati Paratia SISMICA STR - Left Wall - Stage: Stage 5-Scavo H=3m

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=3m	-0.32	0	0
Stage 5-Scavo H=3m	-0.52	0	0
Stage 5-Scavo H=3m	-0.52	0	0
Stage 5-Scavo H=3m	-0.72	-0.08	-0.39
Stage 5-Scavo H=3m	-0.92	-0.31	-1.16
Stage 5-Scavo H=3m	-1.12	-0.77	-2.32
Stage 5-Scavo H=3m	-1.32	-1.55	-3.87
Stage 5-Scavo H=3m	-1.52	-2.71	-5.8
Stage 5-Scavo H=3m	-1.72	-4.33	-8.12
Stage 5-Scavo H=3m	-1.92	-6.5	-10.83
Stage 5-Scavo H=3m	-2.12	-9.28	-13.93
Stage 5-Scavo H=3m	-2.32	-12.77	-17.41
Stage 5-Scavo H=3m	-2.52	-17.02	-21.28
Stage 5-Scavo H=3m	-2.72	-22.13	-25.53
Stage 5-Scavo H=3m	-2.92	-28.16	-30.17
Stage 5-Scavo H=3m	-3.12	-35.2	-35.2
Stage 5-Scavo H=3m	-3.32	-43.33	-40.62
Stage 5-Scavo H=3m	-3.52	-52.61	-46.42
Stage 5-Scavo H=3m	-3.72	-62.79	-50.91
Stage 5-Scavo H=3m	-3.92	-73.61	-54.07
Stage 5-Scavo H=3m	-4.12	-84.79	-55.93
Stage 5-Scavo H=3m	-4.32	-96.08	-56.46
Stage 5-Scavo H=3m	-4.52	-107.22	-55.68
Stage 5-Scavo H=3m	-4.72	-117.44	-51.08
Stage 5-Scavo H=3m	-4.92	-126.77	-46.67
Stage 5-Scavo H=3m	-5.12	-135.24	-42.36
Stage 5-Scavo H=3m	-5.32	-142.87	-38.13
Stage 5-Scavo H=3m	-5.52	-149.67	-34
Stage 5-Scavo H=3m	-5.72	-155.66	-29.94
Stage 5-Scavo H=3m	-5.92	-160.85	-25.97
Stage 5-Scavo H=3m	-6.12	-165.27	-22.09
Stage 5-Scavo H=3m	-6.32	-168.92	-18.28
Stage 5-Scavo H=3m	-6.52	-171.83	-14.54
Stage 5-Scavo H=3m	-6.72	-174.01	-10.88
Stage 5-Scavo H=3m	-6.92	-175.47	-7.3
Stage 5-Scavo H=3m	-7.12	-176.22	-3.77
Stage 5-Scavo H=3m	-7.32	-176.29	-0.32
Stage 5-Scavo H=3m	-7.52	-175.67	3.08
Stage 5-Scavo H=3m	-7.72	-174.41	6.33
Stage 5-Scavo H=3m	-7.92	-172.53	9.39
Stage 5-Scavo H=3m	-8.12	-170.07	12.29
Stage 5-Scavo H=3m	-8.32	-167.07	15.01
Stage 5-Scavo H=3m	-8.52	-163.55	17.59
Stage 5-Scavo H=3m	-8.72	-159.55	20.01
Stage 5-Scavo H=3m	-8.92	-155.09	22.29
Stage 5-Scavo H=3m	-9.12	-150.23	24.3
Stage 5-Scavo H=3m	-9.32	-145.03	26
Stage 5-Scavo H=3m	-9.52	-139.55	27.41
Stage 5-Scavo H=3m	-9.72	-133.84	28.55
Stage 5-Scavo H=3m	-9.92	-127.95	29.42
Stage 5-Scavo H=3m	-10.12	-121.94	30.05
Stage 5-Scavo H=3m	-10.32	-115.86	30.44
Stage 5-Scavo H=3m	-10.52	-109.73	30.62
Stage 5-Scavo H=3m	-10.72	-103.62	30.58
Stage 5-Scavo H=3m	-10.92	-97.54	30.36
Stage 5-Scavo H=3m	-11.12	-91.56	29.94
Stage 5-Scavo H=3m	-11.32	-85.68	29.36
Stage 5-Scavo H=3m	-11.52	-79.96	28.6
Stage 5-Scavo H=3m	-11.72	-74.43	27.69
Stage 5-Scavo H=3m	-11.92	-69.1	26.63
Stage 5-Scavo H=3m	-12.12	-64.01	25.43
Stage 5-Scavo H=3m	-12.32	-59.19	24.1
Stage 5-Scavo H=3m	-12.52	-54.67	22.63
Stage 5-Scavo H=3m	-12.72	-50.46	21.05
Stage 5-Scavo H=3m	-12.92	-46.59	19.34
Stage 5-Scavo H=3m	-13.12	-43.08	17.53
Stage 5-Scavo H=3m	-13.32	-39.96	15.61

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 5-Scavo H=3m	-13.52	-37.25	13.58
Stage 5-Scavo H=3m	-13.72	-34.95	11.45
Stage 5-Scavo H=3m	-13.92	-33.11	9.23
Stage 5-Scavo H=3m	-14.12	-30.71	12
Stage 5-Scavo H=3m	-14.32	-27.88	14.16
Stage 5-Scavo H=3m	-14.52	-24.73	15.71
Stage 5-Scavo H=3m	-14.72	-21.4	16.69
Stage 5-Scavo H=3m	-14.92	-17.97	17.12
Stage 5-Scavo H=3m	-15.12	-14.57	17
Stage 5-Scavo H=3m	-15.32	-11.3	16.36
Stage 5-Scavo H=3m	-15.52	-8.26	15.21
Stage 5-Scavo H=3m	-15.72	-5.55	13.55
Stage 5-Scavo H=3m	-15.92	-3.27	11.4
Stage 5-Scavo H=3m	-16.12	-1.52	8.75
Stage 5-Scavo H=3m	-16.32	-0.4	5.61
Stage 5-Scavo H=3m	-16.52	0	1.98

6.4.6. Tabella Risultati Paratia SISMICA STR - Left Wall - Stage: Stage 6-Scavo H=4.84m

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=4.84m	-0.32	0	0
Stage 6-Scavo H=4.84m	-0.52	0	0
Stage 6-Scavo H=4.84m	-0.52	0	0
Stage 6-Scavo H=4.84m	-0.72	-0.08	-0.39
Stage 6-Scavo H=4.84m	-0.92	-0.31	-1.16
Stage 6-Scavo H=4.84m	-1.12	-0.77	-2.32
Stage 6-Scavo H=4.84m	-1.32	-1.55	-3.87
Stage 6-Scavo H=4.84m	-1.52	-2.71	-5.8
Stage 6-Scavo H=4.84m	-1.72	-4.33	-8.12
Stage 6-Scavo H=4.84m	-1.92	-6.5	-10.83
Stage 6-Scavo H=4.84m	-2.12	-9.28	-13.93
Stage 6-Scavo H=4.84m	-2.32	-12.77	-17.41
Stage 6-Scavo H=4.84m	-2.52	-17.02	-21.28
Stage 6-Scavo H=4.84m	-2.72	-22.13	-25.53
Stage 6-Scavo H=4.84m	-2.92	-28.16	-30.17
Stage 6-Scavo H=4.84m	-3.12	-35.2	-35.2
Stage 6-Scavo H=4.84m	-3.32	-43.33	-40.62
Stage 6-Scavo H=4.84m	-3.52	-52.61	-46.42
Stage 6-Scavo H=4.84m	-3.72	-63.13	-52.61
Stage 6-Scavo H=4.84m	-3.92	-74.97	-59.19
Stage 6-Scavo H=4.84m	-4.12	-88.2	-66.15
Stage 6-Scavo H=4.84m	-4.32	-102.9	-73.5
Stage 6-Scavo H=4.84m	-4.52	-119.15	-81.24
Stage 6-Scavo H=4.84m	-4.72	-136.41	-86.3
Stage 6-Scavo H=4.84m	-4.92	-154.75	-91.73
Stage 6-Scavo H=4.84m	-5.12	-174.26	-97.54
Stage 6-Scavo H=4.84m	-5.32	-195	-103.72
Stage 6-Scavo H=4.84m	-5.52	-215.23	-101.1
Stage 6-Scavo H=4.84m	-5.72	-234.54	-96.56
Stage 6-Scavo H=4.84m	-5.92	-252.65	-90.58
Stage 6-Scavo H=4.84m	-6.12	-269.37	-83.6
Stage 6-Scavo H=4.84m	-6.32	-284.66	-76.44
Stage 6-Scavo H=4.84m	-6.52	-298.56	-69.48
Stage 6-Scavo H=4.84m	-6.72	-311.1	-62.73
Stage 6-Scavo H=4.84m	-6.92	-322.34	-56.19
Stage 6-Scavo H=4.84m	-7.12	-332.31	-49.84
Stage 6-Scavo H=4.84m	-7.32	-341.05	-43.7
Stage 6-Scavo H=4.84m	-7.52	-348.6	-37.75
Stage 6-Scavo H=4.84m	-7.72	-354.99	-31.99
Stage 6-Scavo H=4.84m	-7.92	-360.28	-26.42
Stage 6-Scavo H=4.84m	-8.12	-364.49	-21.04
Stage 6-Scavo H=4.84m	-8.32	-367.66	-15.84
Stage 6-Scavo H=4.84m	-8.52	-369.82	-10.82
Stage 6-Scavo H=4.84m	-8.72	-371.02	-5.97
Stage 6-Scavo H=4.84m	-8.92	-371.27	-1.3
Stage 6-Scavo H=4.84m	-9.12	-370.63	3.22
Stage 6-Scavo H=4.84m	-9.32	-369.12	7.57
Stage 6-Scavo H=4.84m	-9.52	-366.77	11.76
Stage 6-Scavo H=4.84m	-9.72	-363.61	15.8
Stage 6-Scavo H=4.84m	-9.92	-359.67	19.69
Stage 6-Scavo H=4.84m	-10.12	-354.98	23.44
Stage 6-Scavo H=4.84m	-10.32	-349.57	27.04
Stage 6-Scavo H=4.84m	-10.52	-343.47	30.51
Stage 6-Scavo H=4.84m	-10.72	-336.7	33.84
Stage 6-Scavo H=4.84m	-10.92	-329.3	37.04
Stage 6-Scavo H=4.84m	-11.12	-321.27	40.12
Stage 6-Scavo H=4.84m	-11.32	-312.66	43.07
Stage 6-Scavo H=4.84m	-11.52	-303.48	45.9
Stage 6-Scavo H=4.84m	-11.72	-293.75	48.62
Stage 6-Scavo H=4.84m	-11.92	-283.51	51.22
Stage 6-Scavo H=4.84m	-12.12	-272.79	53.6
Stage 6-Scavo H=4.84m	-12.32	-261.66	55.63
Stage 6-Scavo H=4.84m	-12.52	-250.2	57.34
Stage 6-Scavo H=4.84m	-12.72	-238.45	58.72
Stage 6-Scavo H=4.84m	-12.92	-226.5	59.78
Stage 6-Scavo H=4.84m	-13.12	-214.39	60.54
Stage 6-Scavo H=4.84m	-13.32	-202.19	61

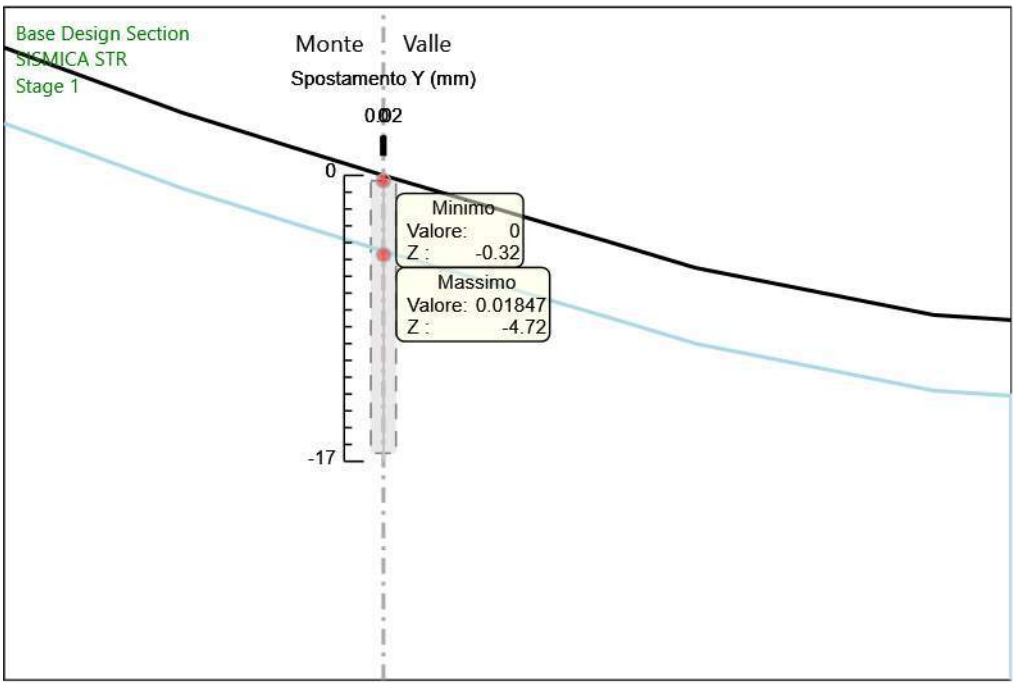
Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=4.84m	-13.52	-189.96	61.16
Stage 6-Scavo H=4.84m	-13.72	-177.75	61.03
Stage 6-Scavo H=4.84m	-13.92	-165.68	60.34
Stage 6-Scavo H=4.84m	-14.12	-152.46	66.09
Stage 6-Scavo H=4.84m	-14.32	-138.22	71.22
Stage 6-Scavo H=4.84m	-14.52	-123.07	75.75
Stage 6-Scavo H=4.84m	-14.72	-107.13	79.68
Stage 6-Scavo H=4.84m	-14.92	-90.56	82.89
Stage 6-Scavo H=4.84m	-15.12	-73.69	84.34
Stage 6-Scavo H=4.84m	-15.32	-57.28	82.05
Stage 6-Scavo H=4.84m	-15.52	-41.95	76.65
Stage 6-Scavo H=4.84m	-15.72	-28.23	68.57
Stage 6-Scavo H=4.84m	-15.92	-16.67	57.82
Stage 6-Scavo H=4.84m	-16.12	-7.75	44.6
Stage 6-Scavo H=4.84m	-16.32	-2	28.75
Stage 6-Scavo H=4.84m	-16.52	0	10

6.4.7. Tabella Risultati Paratia SISMICA STR - Left Wall - Stage: Sismica

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sismica	-0.32	0	-0.51
Sismica	-0.52	-0.1	-0.51
Sismica	-0.72	-0.48	-1.91
Sismica	-0.92	-1.22	-3.7
Sismica	-1.12	-2.4	-5.87
Sismica	-1.32	-4.09	-8.44
Sismica	-1.52	-6.36	-11.39
Sismica	-1.72	-9.31	-14.72
Sismica	-1.92	-13	-18.45
Sismica	-2.12	-17.51	-22.56
Sismica	-2.32	-22.92	-27.05
Sismica	-2.52	-29.31	-31.94
Sismica	-2.72	-36.75	-37.21
Sismica	-2.92	-45.32	-42.86
Sismica	-3.12	-55.1	-48.91
Sismica	-3.32	-66.17	-55.34
Sismica	-3.52	-78.6	-62.16
Sismica	-3.72	-92.47	-69.36
Sismica	-3.92	-107.86	-76.95
Sismica	-4.12	-124.85	-84.93
Sismica	-4.32	-143.51	-93.3
Sismica	-4.52	-163.92	-102.05
Sismica	-4.72	-185.54	-108.12
Sismica	-4.92	-208.46	-114.57
Sismica	-5.12	-232.74	-121.4
Sismica	-5.32	-258.37	-128.19
Sismica	-5.52	-283.57	-125.99
Sismica	-5.72	-307.99	-122.11
Sismica	-5.92	-331.4	-117.05
Sismica	-6.12	-353.65	-111.25
Sismica	-6.32	-374.59	-104.7
Sismica	-6.52	-394.07	-97.38
Sismica	-6.72	-411.93	-89.3
Sismica	-6.92	-428.02	-80.44
Sismica	-7.12	-442.33	-71.57
Sismica	-7.32	-454.93	-62.98
Sismica	-7.52	-465.86	-54.67
Sismica	-7.72	-475.19	-46.64
Sismica	-7.92	-482.96	-38.88
Sismica	-8.12	-489.24	-31.38
Sismica	-8.32	-494.07	-24.15
Sismica	-8.52	-497.51	-17.18
Sismica	-8.72	-499.6	-10.45
Sismica	-8.92	-500.39	-3.98
Sismica	-9.12	-499.94	2.26
Sismica	-9.32	-498.29	8.26
Sismica	-9.52	-495.48	14.03
Sismica	-9.72	-491.56	19.58
Sismica	-9.92	-486.58	24.91
Sismica	-10.12	-480.58	30.02
Sismica	-10.32	-473.59	34.93
Sismica	-10.52	-465.67	39.63
Sismica	-10.72	-456.84	44.13
Sismica	-10.92	-447.15	48.44
Sismica	-11.12	-436.64	52.55
Sismica	-11.32	-425.35	56.49
Sismica	-11.52	-413.3	60.24
Sismica	-11.72	-400.53	63.82
Sismica	-11.92	-387.09	67.23
Sismica	-12.12	-372.99	70.47
Sismica	-12.32	-358.29	73.54
Sismica	-12.52	-342.99	76.46
Sismica	-12.72	-327.15	79.22
Sismica	-12.92	-310.78	81.83
Sismica	-13.12	-293.98	84.01
Sismica	-13.32	-276.84	85.73
Sismica	-13.52	-259.43	87.01

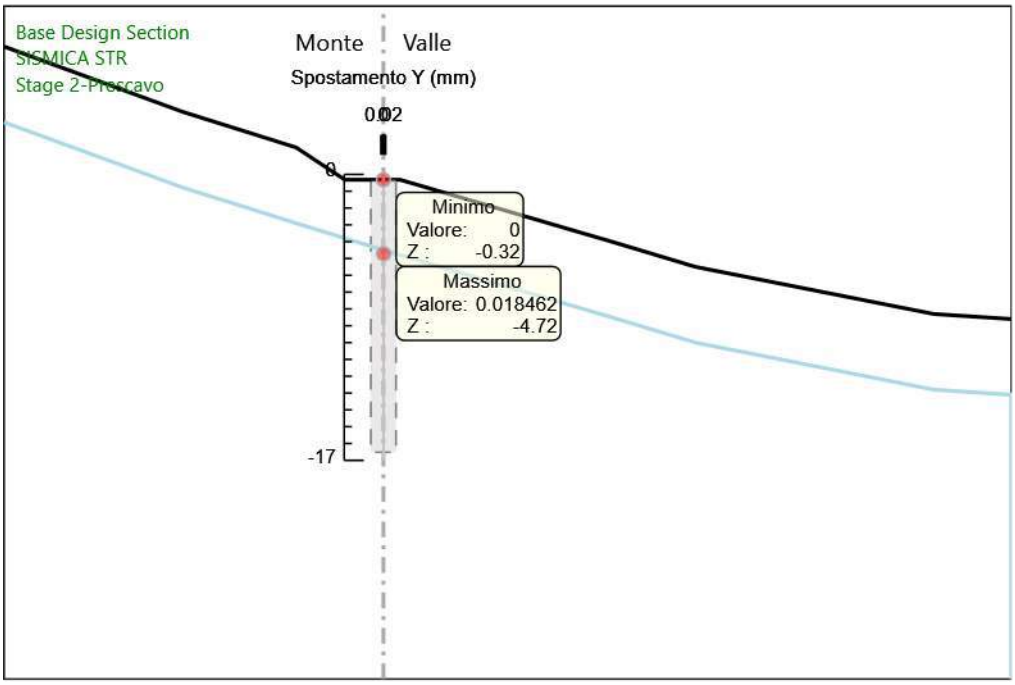
Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Sismica	-13.72	-241.87	87.84
Sismica	-13.92	-224.22	88.25
Sismica	-14.12	-205.13	95.44
Sismica	-14.32	-184.79	101.71
Sismica	-14.52	-163.37	107.06
Sismica	-14.72	-141.07	111.51
Sismica	-14.92	-118.06	115.06
Sismica	-15.12	-94.89	115.82
Sismica	-15.32	-72.74	110.79
Sismica	-15.52	-52.34	101.97
Sismica	-15.72	-34.46	89.38
Sismica	-15.92	-19.86	73.04
Sismica	-16.12	-9.05	54.02
Sismica	-16.32	-2.33	33.64
Sismica	-16.52	0	11.63

6.4.8. Grafico Spostamento SISMICA STR - Stage: Stage 1



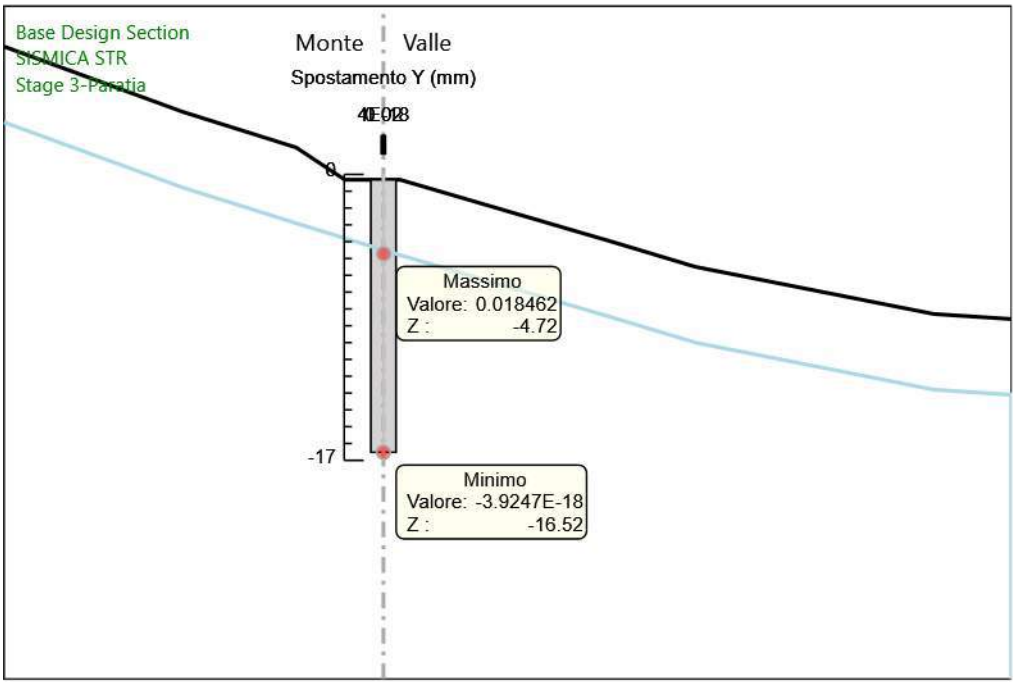
Design Assumption: SISMICA STR
Stage: Stage 1
Spostamento orizzontale

6.4.9. Grafico Spostamento SISMICA STR - Stage: Stage 2-Prescavo



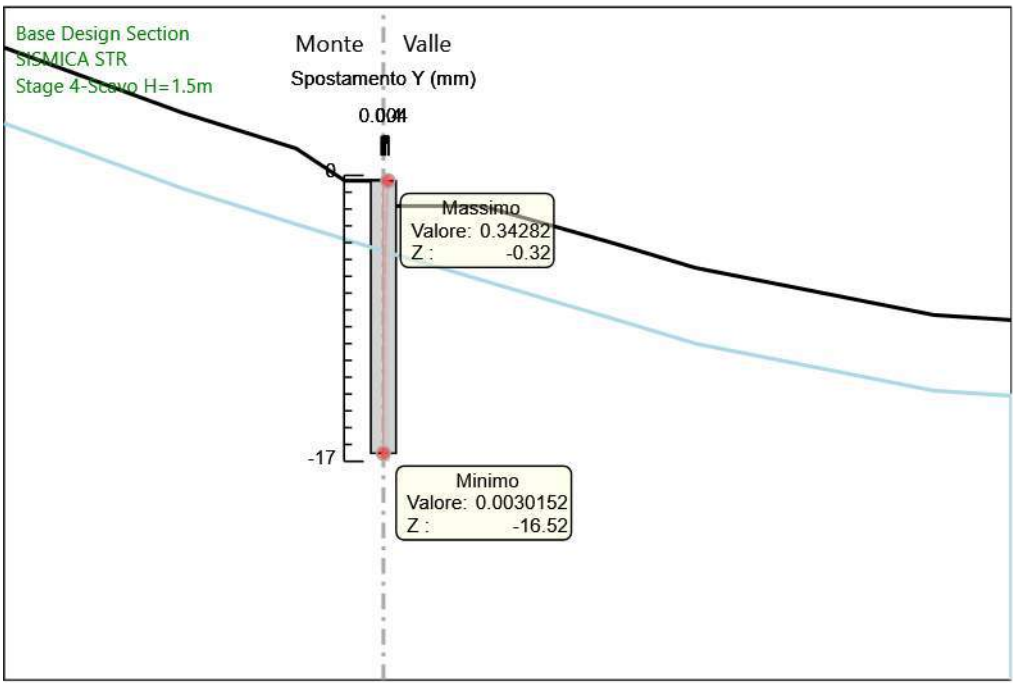
Design Assumption: SISMICA STR
Stage: Stage 2-Prescavo
Spostamento orizzontale

6.4.10. Grafico Spostamento SISMICA STR - Stage: Stage 3-Paratia



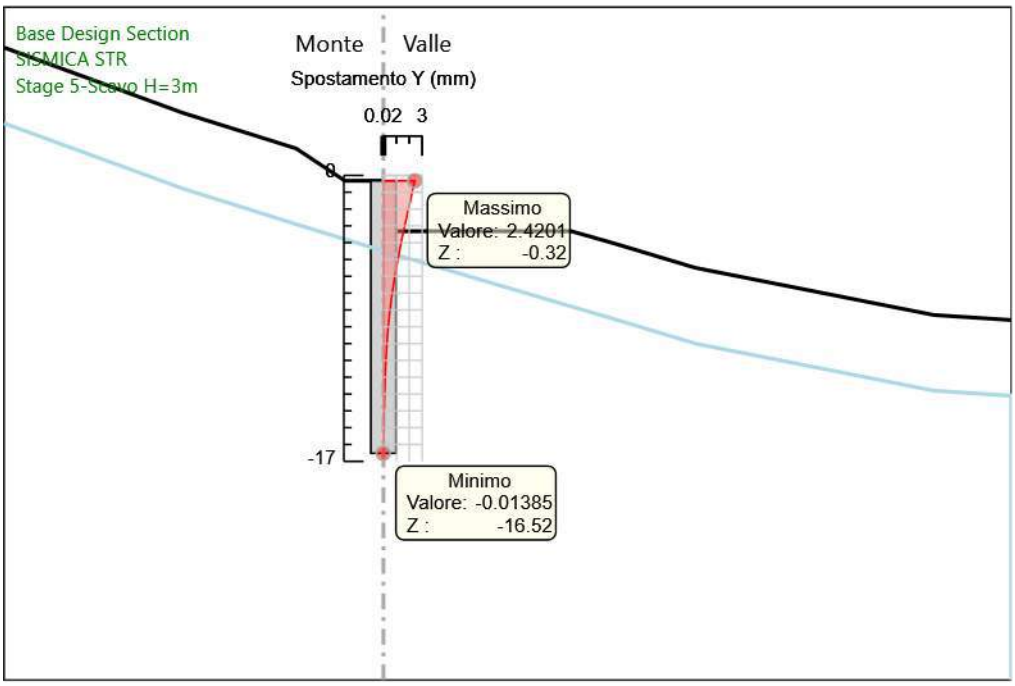
Design Assumption: SISMICA STR
Stage: Stage 3-Paratia
Spostamento orizzontale

6.4.11. Grafico Spostamento SISMICA STR - Stage: Stage 4-Scavo H=1.5m



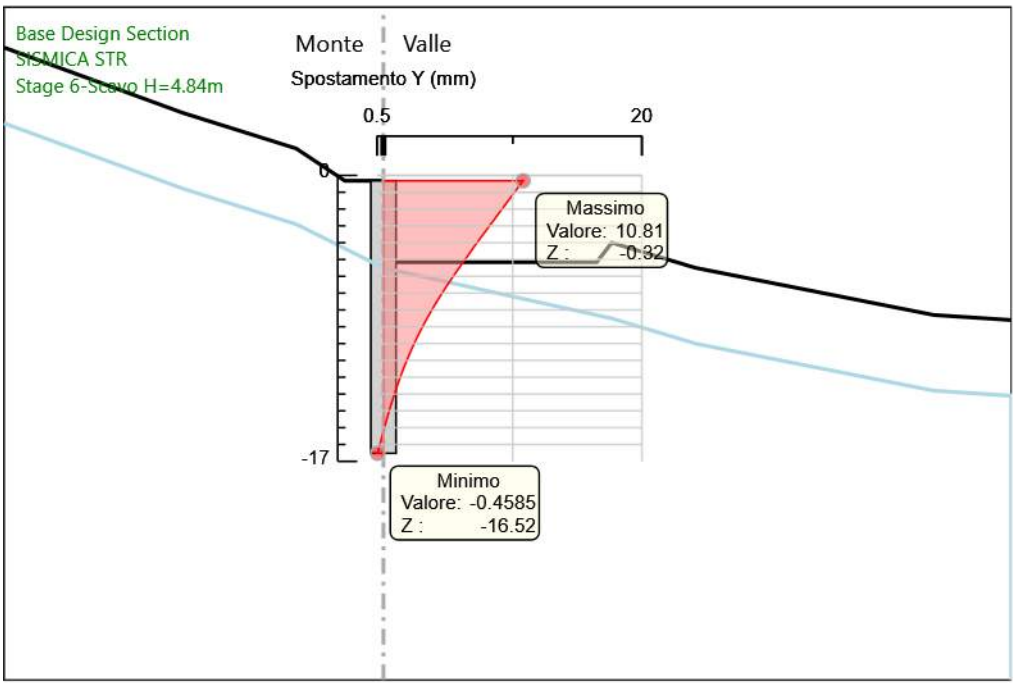
Design Assumption: SISMICA STR
Stage: Stage 4-Scavo H=1.5m
Spostamento orizzontale

6.4.12. Grafico Spostamento SISMICA STR - Stage: Stage 5-Scavo H=3m



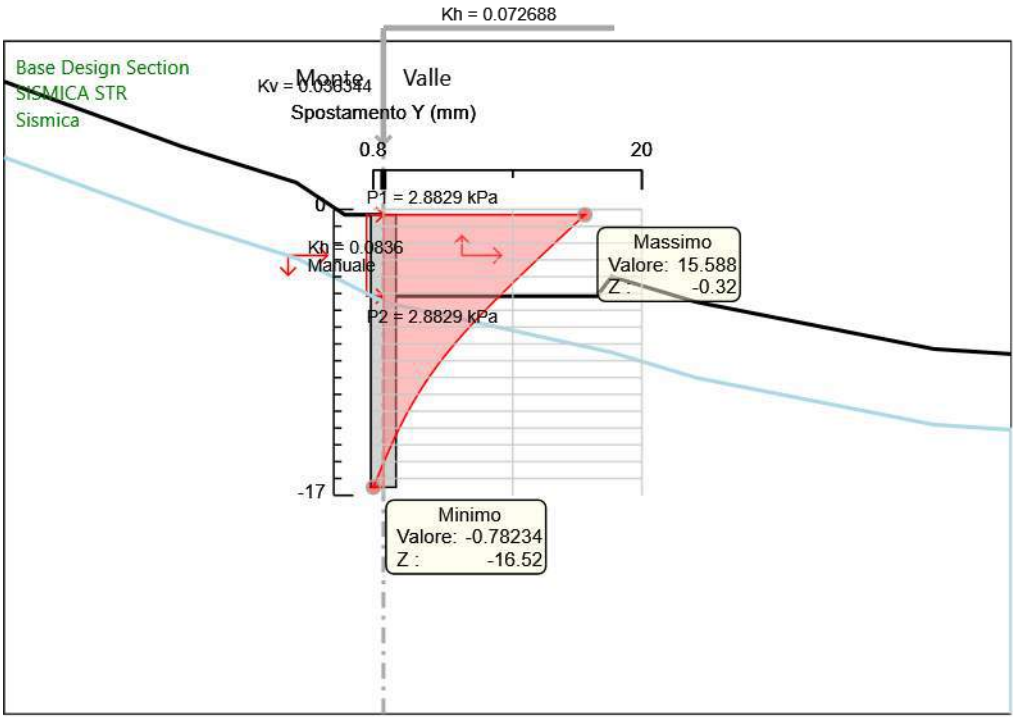
Design Assumption: SISMICA STR
Stage: Stage 5-Scavo H=3m
Spostamento orizzontale

6.4.13. Grafico Spostamento SISMICA STR - Stage: Stage 6-Scavo H=4.84m



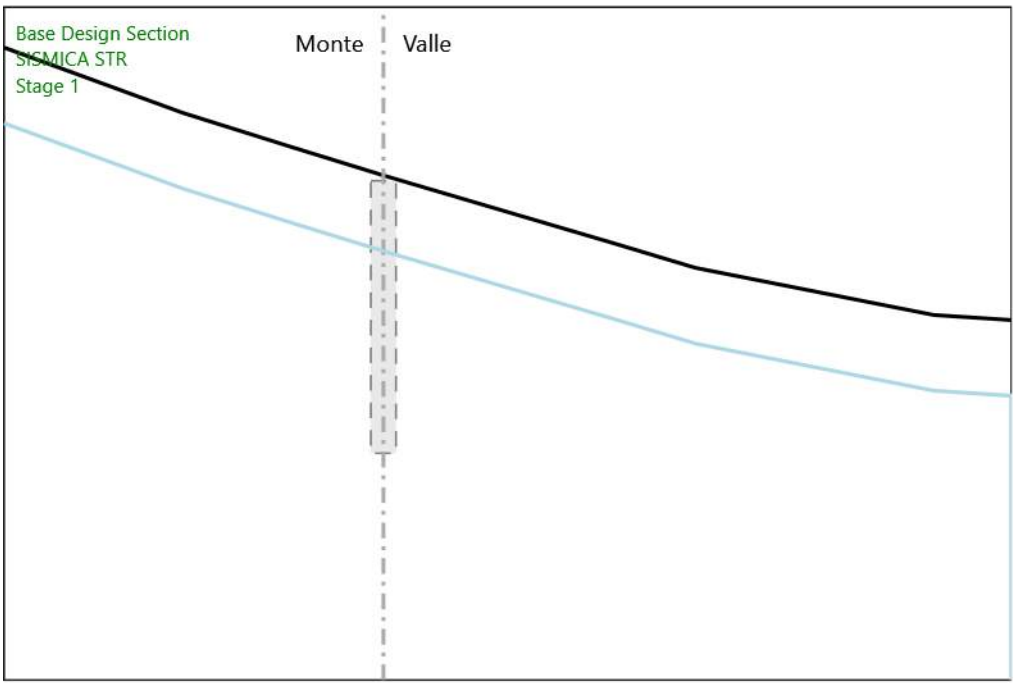
Design Assumption: SISMICA STR
Stage: Stage 6-Scavo H=4.84m
Spostamento orizzontale

6.4.14. Grafico Spostamento SISMICA STR - Stage: Sismica



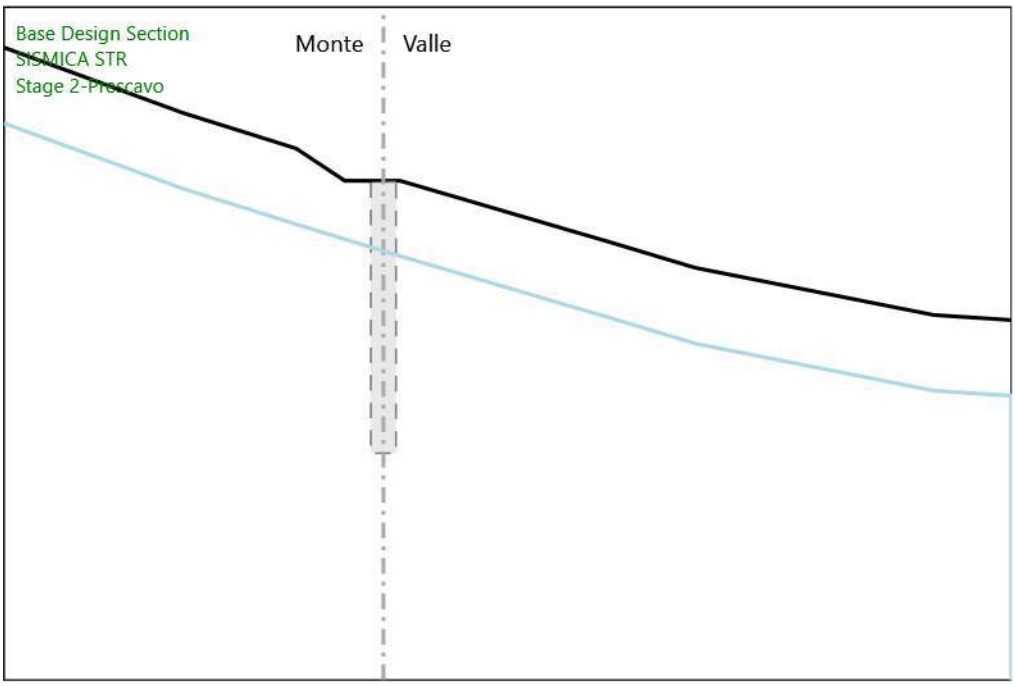
Design Assumption: SISMICA STR
Stage: Sismica
Spostamento orizzontale

6.4.15. Grafico Risultati Momento SISMICA STR - Stage: Stage 1



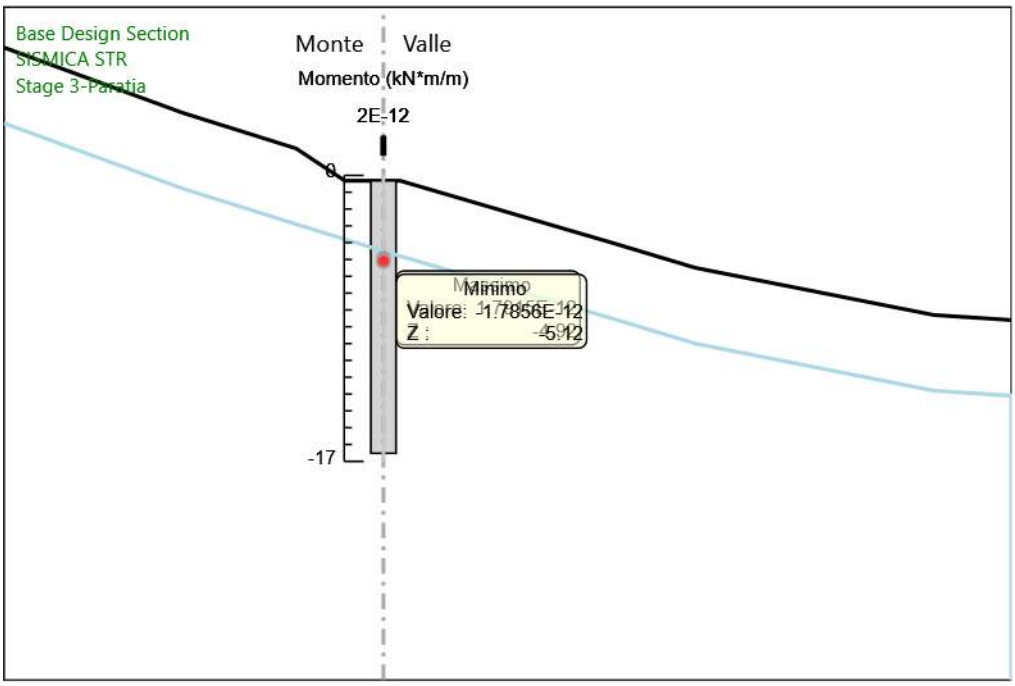
Design Assumption: SISMICA STR
Stage: Stage 1
Momento

6.4.16. Grafico Risultati Momento SISMICA STR - Stage: Stage 2-Prescavo



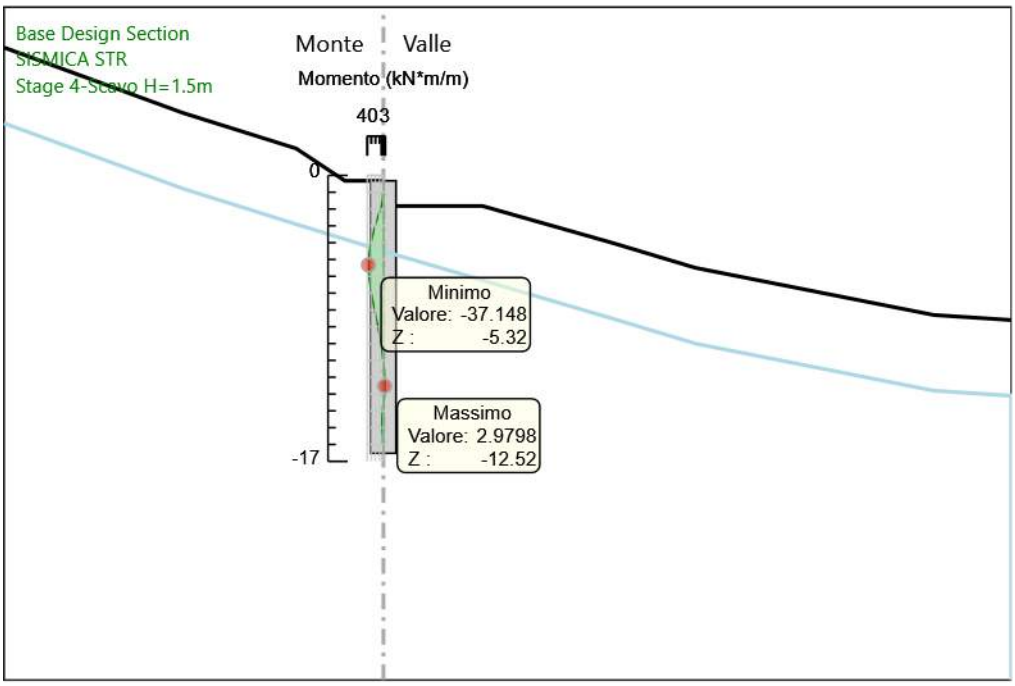
Design Assumption: SISMICA STR
Stage: Stage 2-Prescavo
Momento

6.4.17. Grafico Risultati Momento SISMICA STR - Stage: Stage 3-Paratia



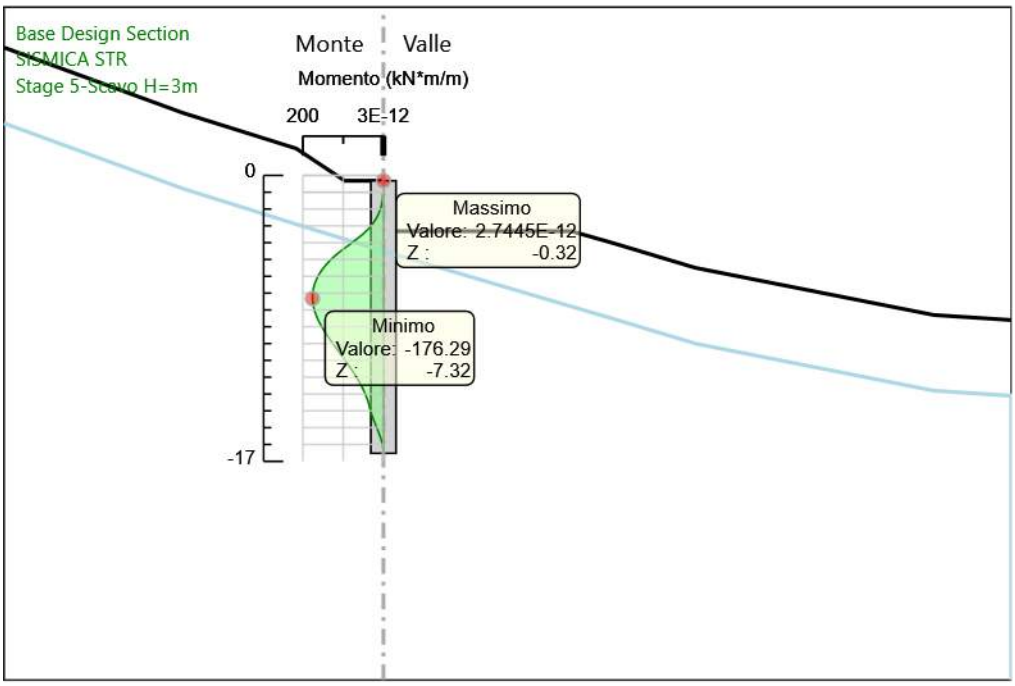
Design Assumption: SISMICA STR
Stage: Stage 3-Paratia
Momento

6.4.18. Grafico Risultati Momento SISMICA STR - Stage: Stage 4-Scavo H=1.5m



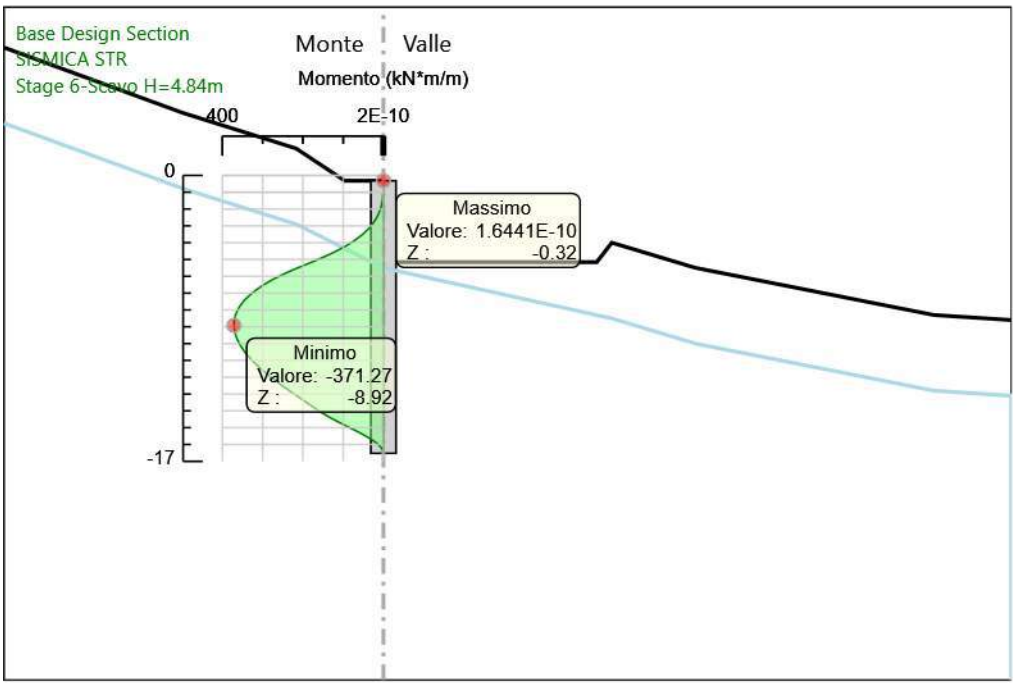
Design Assumption: SISMICA STR
Stage: Stage 4-Scavo H=1.5m
Momento

6.4.19. Grafico Risultati Momento SISMICA STR - Stage: Stage 5-Scavo H=3m



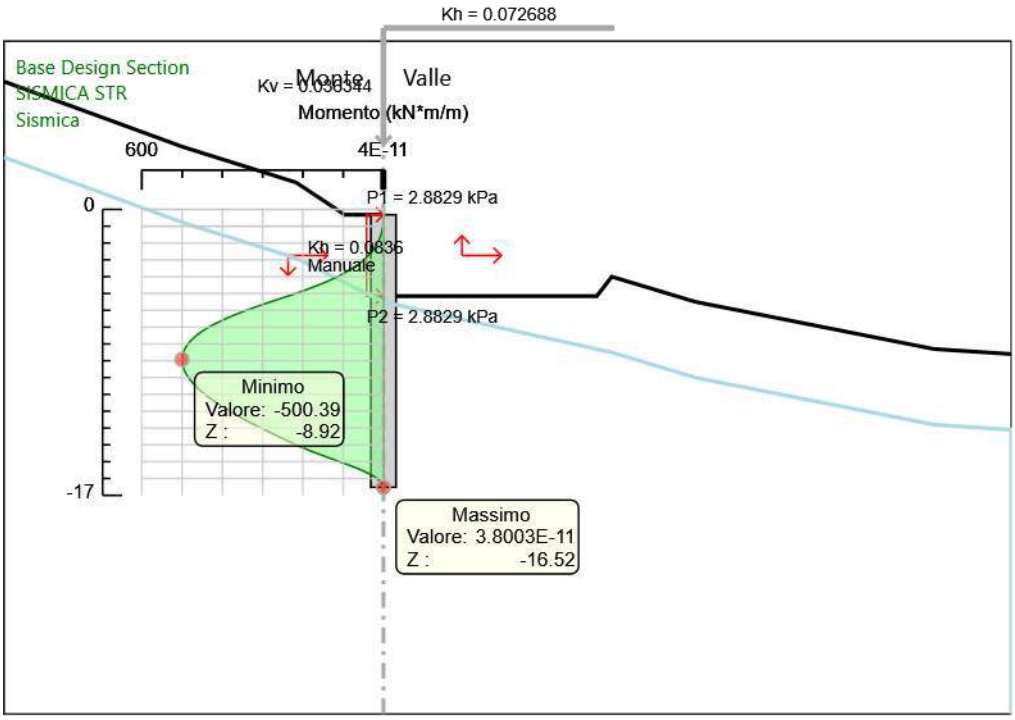
Design Assumption: SISMICA STR
Stage: Stage 5-Scavo H=3m
Momento

6.4.20. Grafico Risultati Momento SISMICA STR - Stage: Stage 6-Scavo H=4.84m



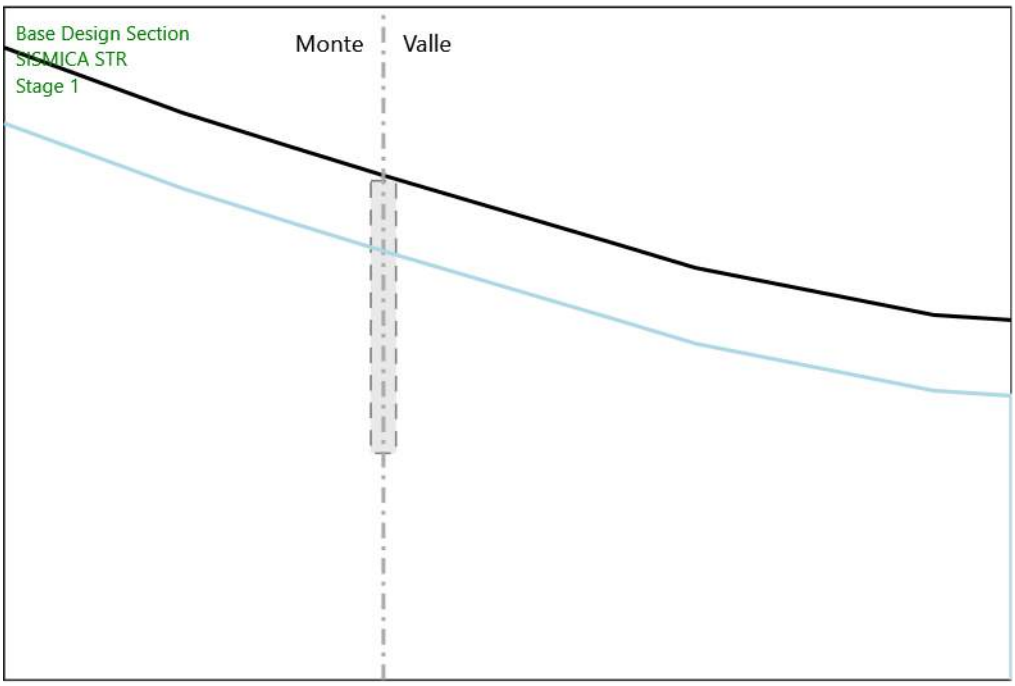
Design Assumption: SISMICA STR
Stage: Stage 6-Scavo H=4.84m
Momento

6.4.21. Grafico Risultati Momento SISMICA STR - Stage: Sismica



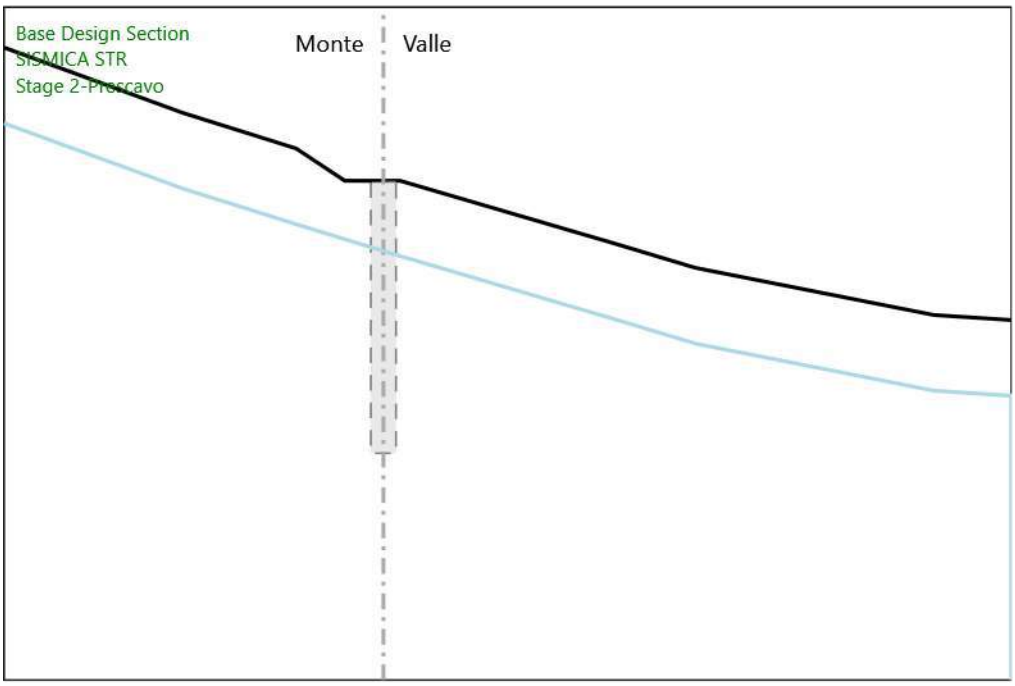
Design Assumption: SISMICA STR
Stage: Sismica
Momento

6.4.22. Grafico Risultati Taglio SISMICA STR - Stage: Stage 1



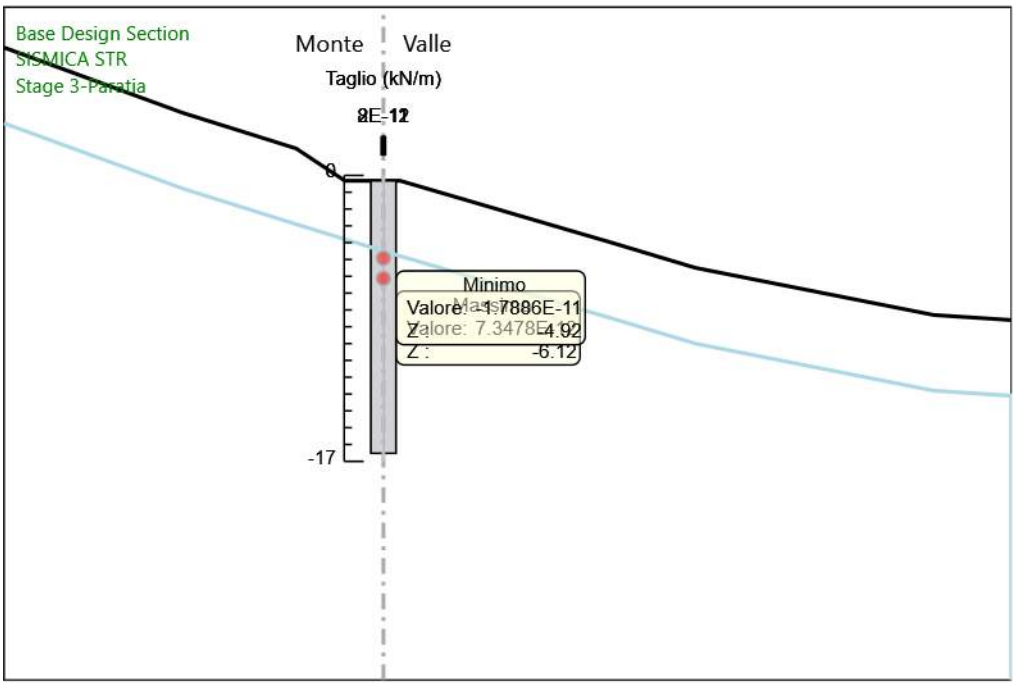
Design Assumption: SISMICA STR
Stage: Stage 1
Taglio

6.4.23. Grafico Risultati Taglio SISMICA STR - Stage: Stage 2-Prescavo



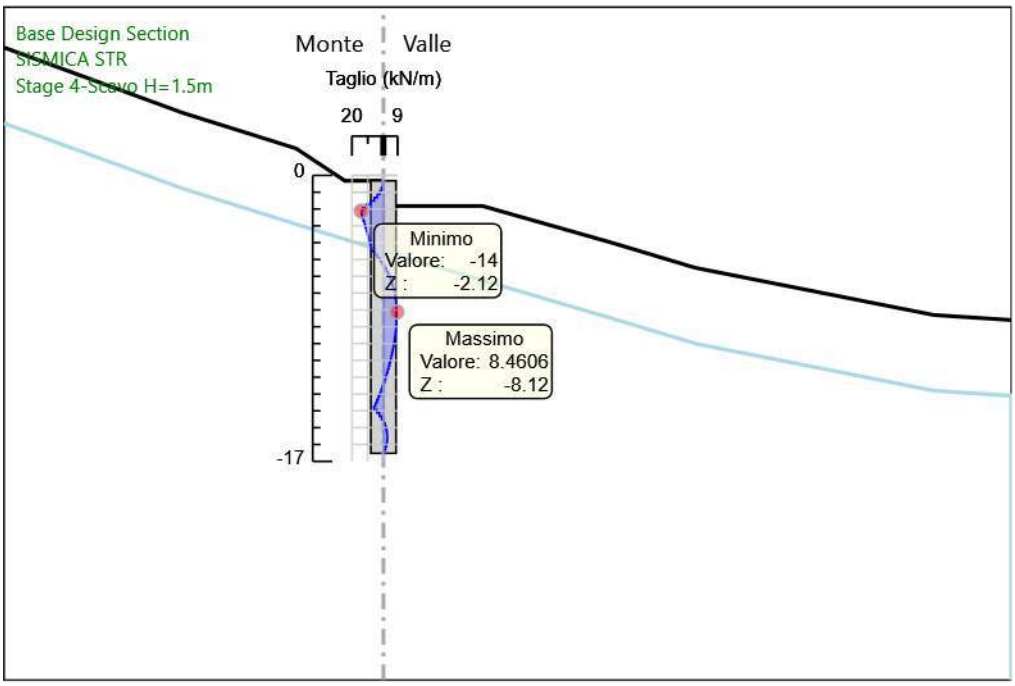
Design Assumption: SISMICA STR
Stage: Stage 2-Prescavo
Taglio

6.4.24. Grafico Risultati Taglio SISMICA STR - Stage: Stage 3-Paratia



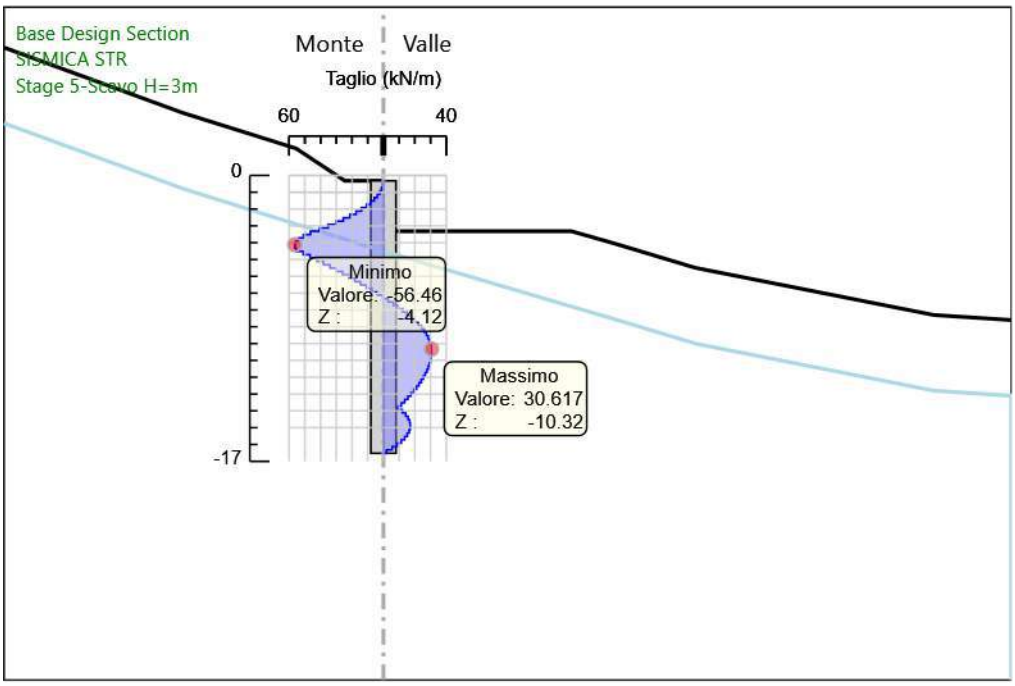
Design Assumption: SISMICA STR
Stage: Stage 3-Paratia
Taglio

6.4.25. Grafico Risultati Taglio SISMICA STR - Stage: Stage 4-Scavo H=1.5m



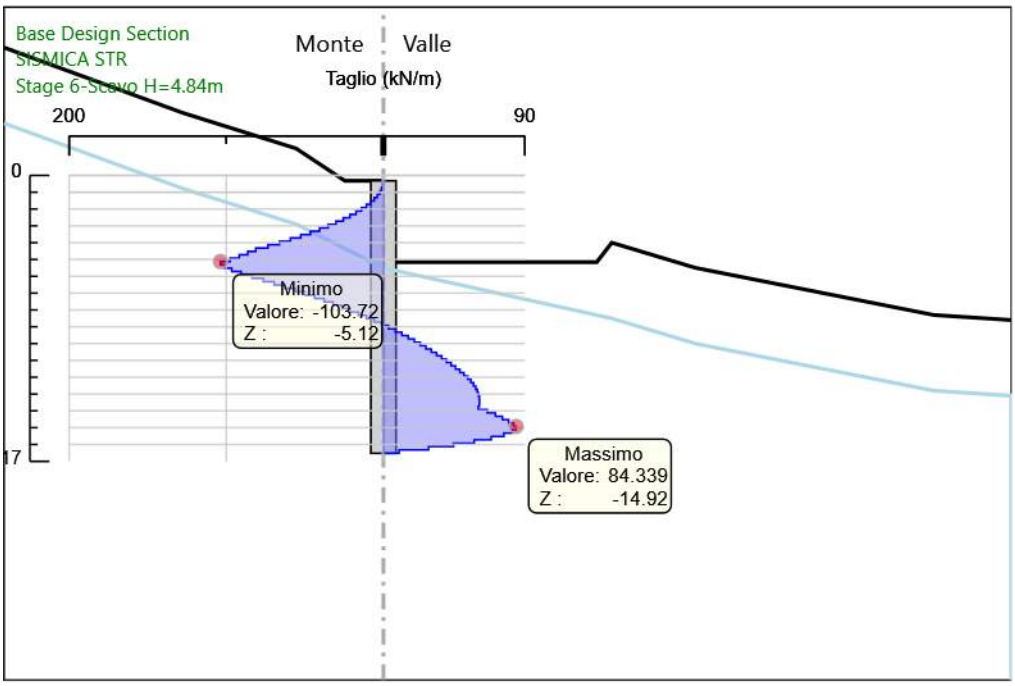
Design Assumption: SISMICA STR
Stage: Stage 4-Scavo H=1.5m
Taglio

6.4.26. Grafico Risultati Taglio SISMICA STR - Stage: Stage 5-Scavo H=3m



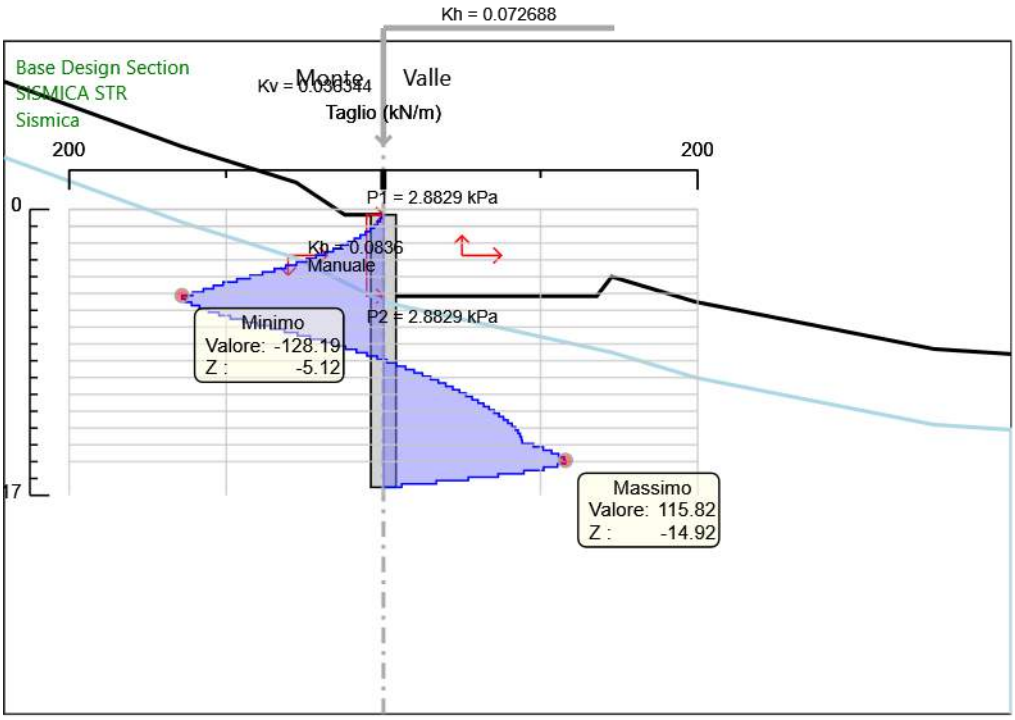
Design Assumption: SISMICA STR
Stage: Stage 5-Scavo H=3m
Taglio

6.4.27. Grafico Risultati Taglio SISMICA STR - Stage: Stage 6-Scavo H=4.84m



Design Assumption: SISMICA STR
Stage: Stage 6-Scavo H=4.84m
Taglio

6.4.28. Grafico Risultati Taglio SISMICA STR - Stage: Sismica



Design Assumption: SISMICA STR
Stage: Sismica
Taglio

6.5. Risultati SISMICA GEO

6.5.1. Tabella Risultati Paratia SISMICA GEO - Left Wall - Stage: Stage 1

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	-0.32	0	0
Stage 1	-0.52	0	0
Stage 1	-0.72	0	0
Stage 1	-0.92	0	0
Stage 1	-1.12	0	0
Stage 1	-1.32	0	0
Stage 1	-1.52	0	0
Stage 1	-1.72	0	0
Stage 1	-1.92	0	0
Stage 1	-2.12	0	0
Stage 1	-2.32	0	0
Stage 1	-2.52	0	0
Stage 1	-2.72	0	0
Stage 1	-2.92	0	0
Stage 1	-3.12	0	0
Stage 1	-3.32	0	0
Stage 1	-3.52	0	0
Stage 1	-3.72	0	0
Stage 1	-3.92	0	0
Stage 1	-4.12	0	0
Stage 1	-4.32	0	0
Stage 1	-4.52	0	0
Stage 1	-4.72	0	0
Stage 1	-4.92	0	0
Stage 1	-5.12	0	0
Stage 1	-5.32	0	0
Stage 1	-5.52	0	0
Stage 1	-5.72	0	0
Stage 1	-5.92	0	0
Stage 1	-6.12	0	0
Stage 1	-6.32	0	0
Stage 1	-6.52	0	0
Stage 1	-6.72	0	0
Stage 1	-6.92	0	0
Stage 1	-7.12	0	0
Stage 1	-7.32	0	0
Stage 1	-7.52	0	0
Stage 1	-7.72	0	0
Stage 1	-7.92	0	0
Stage 1	-8.12	0	0
Stage 1	-8.32	0	0
Stage 1	-8.52	0	0
Stage 1	-8.72	0	0
Stage 1	-8.92	0	0
Stage 1	-9.12	0	0
Stage 1	-9.32	0	0
Stage 1	-9.52	0	0
Stage 1	-9.72	0	0
Stage 1	-9.92	0	0
Stage 1	-10.12	0	0
Stage 1	-10.32	0	0
Stage 1	-10.52	0	0
Stage 1	-10.72	0	0
Stage 1	-10.92	0	0
Stage 1	-11.12	0	0
Stage 1	-11.32	0	0
Stage 1	-11.52	0	0
Stage 1	-11.72	0	0
Stage 1	-11.92	0	0
Stage 1	-12.12	0	0
Stage 1	-12.32	0	0
Stage 1	-12.52	0	0
Stage 1	-12.72	0	0
Stage 1	-12.92	0	0

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	-13.12	0	0
Stage 1	-13.32	0	0
Stage 1	-13.52	0	0
Stage 1	-13.72	0	0
Stage 1	-13.92	0	0
Stage 1	-14.12	0	0
Stage 1	-14.32	0	0
Stage 1	-14.52	0	0
Stage 1	-14.72	0	0
Stage 1	-14.92	0	0
Stage 1	-15.12	0	0
Stage 1	-15.32	0	0
Stage 1	-15.52	0	0
Stage 1	-15.72	0	0
Stage 1	-15.92	0	0
Stage 1	-16.12	0	0
Stage 1	-16.32	0	0
Stage 1	-16.52	0	0

6.5.2. Tabella Risultati Paratia SISMICA GEO - Left Wall - Stage: Stage 2-Prescavo

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2-Prescavo	-0.32	0	0
Stage 2-Prescavo	-0.52	0	0
Stage 2-Prescavo	-0.72	0	0
Stage 2-Prescavo	-0.92	0	0
Stage 2-Prescavo	-1.12	0	0
Stage 2-Prescavo	-1.32	0	0
Stage 2-Prescavo	-1.52	0	0
Stage 2-Prescavo	-1.72	0	0
Stage 2-Prescavo	-1.92	0	0
Stage 2-Prescavo	-2.12	0	0
Stage 2-Prescavo	-2.32	0	0
Stage 2-Prescavo	-2.52	0	0
Stage 2-Prescavo	-2.72	0	0
Stage 2-Prescavo	-2.92	0	0
Stage 2-Prescavo	-3.12	0	0
Stage 2-Prescavo	-3.32	0	0
Stage 2-Prescavo	-3.52	0	0
Stage 2-Prescavo	-3.72	0	0
Stage 2-Prescavo	-3.92	0	0
Stage 2-Prescavo	-4.12	0	0
Stage 2-Prescavo	-4.32	0	0
Stage 2-Prescavo	-4.52	0	0
Stage 2-Prescavo	-4.72	0	0
Stage 2-Prescavo	-4.92	0	0
Stage 2-Prescavo	-5.12	0	0
Stage 2-Prescavo	-5.32	0	0
Stage 2-Prescavo	-5.52	0	0
Stage 2-Prescavo	-5.72	0	0
Stage 2-Prescavo	-5.92	0	0
Stage 2-Prescavo	-6.12	0	0
Stage 2-Prescavo	-6.32	0	0
Stage 2-Prescavo	-6.52	0	0
Stage 2-Prescavo	-6.72	0	0
Stage 2-Prescavo	-6.92	0	0
Stage 2-Prescavo	-7.12	0	0
Stage 2-Prescavo	-7.32	0	0
Stage 2-Prescavo	-7.52	0	0
Stage 2-Prescavo	-7.72	0	0
Stage 2-Prescavo	-7.92	0	0
Stage 2-Prescavo	-8.12	0	0
Stage 2-Prescavo	-8.32	0	0
Stage 2-Prescavo	-8.52	0	0
Stage 2-Prescavo	-8.72	0	0
Stage 2-Prescavo	-8.92	0	0
Stage 2-Prescavo	-9.12	0	0
Stage 2-Prescavo	-9.32	0	0
Stage 2-Prescavo	-9.52	0	0
Stage 2-Prescavo	-9.72	0	0
Stage 2-Prescavo	-9.92	0	0
Stage 2-Prescavo	-10.12	0	0
Stage 2-Prescavo	-10.32	0	0
Stage 2-Prescavo	-10.52	0	0
Stage 2-Prescavo	-10.72	0	0
Stage 2-Prescavo	-10.92	0	0
Stage 2-Prescavo	-11.12	0	0
Stage 2-Prescavo	-11.32	0	0
Stage 2-Prescavo	-11.52	0	0
Stage 2-Prescavo	-11.72	0	0
Stage 2-Prescavo	-11.92	0	0
Stage 2-Prescavo	-12.12	0	0
Stage 2-Prescavo	-12.32	0	0
Stage 2-Prescavo	-12.52	0	0
Stage 2-Prescavo	-12.72	0	0
Stage 2-Prescavo	-12.92	0	0
Stage 2-Prescavo	-13.12	0	0
Stage 2-Prescavo	-13.32	0	0
Stage 2-Prescavo	-13.52	0	0

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2-Prescavo	-13.72	0	0
Stage 2-Prescavo	-13.92	0	0
Stage 2-Prescavo	-14.12	0	0
Stage 2-Prescavo	-14.32	0	0
Stage 2-Prescavo	-14.52	0	0
Stage 2-Prescavo	-14.72	0	0
Stage 2-Prescavo	-14.92	0	0
Stage 2-Prescavo	-15.12	0	0
Stage 2-Prescavo	-15.32	0	0
Stage 2-Prescavo	-15.52	0	0
Stage 2-Prescavo	-15.72	0	0
Stage 2-Prescavo	-15.92	0	0
Stage 2-Prescavo	-16.12	0	0
Stage 2-Prescavo	-16.32	0	0
Stage 2-Prescavo	-16.52	0	0

6.5.3. Tabella Risultati Paratia SISMICA GEO - Left Wall - Stage: Stage 3-Paratia

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-0.32	0	0
Stage 3-Paratia	-0.52	0	0
Stage 3-Paratia	-0.52	0	0
Stage 3-Paratia	-0.72	0	0
Stage 3-Paratia	-0.92	0	0
Stage 3-Paratia	-1.12	0	0
Stage 3-Paratia	-1.12	0	0
Stage 3-Paratia	-1.32	0	0
Stage 3-Paratia	-1.32	0	0
Stage 3-Paratia	-1.52	0	0
Stage 3-Paratia	-1.52	0	0
Stage 3-Paratia	-1.72	0	0
Stage 3-Paratia	-1.72	0	0
Stage 3-Paratia	-1.92	0	0
Stage 3-Paratia	-1.92	0	0
Stage 3-Paratia	-2.12	0	0
Stage 3-Paratia	-2.12	0	0
Stage 3-Paratia	-2.32	0	0
Stage 3-Paratia	-2.32	0	0
Stage 3-Paratia	-2.52	0	0
Stage 3-Paratia	-2.52	0	0
Stage 3-Paratia	-2.72	0	0
Stage 3-Paratia	-2.72	0	0
Stage 3-Paratia	-2.92	0	0
Stage 3-Paratia	-2.92	0	0
Stage 3-Paratia	-3.12	0	0
Stage 3-Paratia	-3.12	0	0
Stage 3-Paratia	-3.32	0	0
Stage 3-Paratia	-3.32	0	0
Stage 3-Paratia	-3.52	0	0
Stage 3-Paratia	-3.52	0	0
Stage 3-Paratia	-3.72	0	0
Stage 3-Paratia	-3.72	0	0
Stage 3-Paratia	-3.92	0	0
Stage 3-Paratia	-3.92	0	0
Stage 3-Paratia	-4.12	0	0
Stage 3-Paratia	-4.12	0	0
Stage 3-Paratia	-4.32	0	0
Stage 3-Paratia	-4.32	0	0
Stage 3-Paratia	-4.52	0	0
Stage 3-Paratia	-4.52	0	0
Stage 3-Paratia	-4.72	0	0
Stage 3-Paratia	-4.72	0	0
Stage 3-Paratia	-4.92	0	0
Stage 3-Paratia	-4.92	0	0
Stage 3-Paratia	-5.12	0	0
Stage 3-Paratia	-5.12	0	0
Stage 3-Paratia	-5.32	0	0
Stage 3-Paratia	-5.32	0	0
Stage 3-Paratia	-5.52	0	0
Stage 3-Paratia	-5.52	0	0
Stage 3-Paratia	-5.72	0	0
Stage 3-Paratia	-5.72	0	0
Stage 3-Paratia	-5.92	0	0
Stage 3-Paratia	-5.92	0	0
Stage 3-Paratia	-6.12	0	0
Stage 3-Paratia	-6.12	0	0
Stage 3-Paratia	-6.32	0	0
Stage 3-Paratia	-6.32	0	0
Stage 3-Paratia	-6.52	0	0
Stage 3-Paratia	-6.52	0	0
Stage 3-Paratia	-6.72	0	0
Stage 3-Paratia	-6.72	0	0
Stage 3-Paratia	-6.92	0	0
Stage 3-Paratia	-6.92	0	0
Stage 3-Paratia	-7.12	0	0
Stage 3-Paratia	-7.12	0	0

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-7.32	0	0
Stage 3-Paratia	-7.32	0	0
Stage 3-Paratia	-7.52	0	0
Stage 3-Paratia	-7.52	0	0
Stage 3-Paratia	-7.72	0	0
Stage 3-Paratia	-7.72	0	0
Stage 3-Paratia	-7.92	0	0
Stage 3-Paratia	-7.92	0	0
Stage 3-Paratia	-8.12	0	0
Stage 3-Paratia	-8.12	0	0
Stage 3-Paratia	-8.32	0	0
Stage 3-Paratia	-8.32	0	0
Stage 3-Paratia	-8.52	0	0
Stage 3-Paratia	-8.52	0	0
Stage 3-Paratia	-8.72	0	0
Stage 3-Paratia	-8.72	0	0
Stage 3-Paratia	-8.92	0	0
Stage 3-Paratia	-8.92	0	0
Stage 3-Paratia	-9.12	0	0
Stage 3-Paratia	-9.12	0	0
Stage 3-Paratia	-9.32	0	0
Stage 3-Paratia	-9.32	0	0
Stage 3-Paratia	-9.52	0	0
Stage 3-Paratia	-9.52	0	0
Stage 3-Paratia	-9.72	0	0
Stage 3-Paratia	-9.72	0	0
Stage 3-Paratia	-9.92	0	0
Stage 3-Paratia	-9.92	0	0
Stage 3-Paratia	-10.12	0	0
Stage 3-Paratia	-10.12	0	0
Stage 3-Paratia	-10.32	0	0
Stage 3-Paratia	-10.32	0	0
Stage 3-Paratia	-10.52	0	0
Stage 3-Paratia	-10.52	0	0
Stage 3-Paratia	-10.72	0	0
Stage 3-Paratia	-10.72	0	0
Stage 3-Paratia	-10.92	0	0
Stage 3-Paratia	-10.92	0	0
Stage 3-Paratia	-11.12	0	0
Stage 3-Paratia	-11.12	0	0
Stage 3-Paratia	-11.32	0	0
Stage 3-Paratia	-11.32	0	0
Stage 3-Paratia	-11.52	0	0
Stage 3-Paratia	-11.52	0	0
Stage 3-Paratia	-11.72	0	0
Stage 3-Paratia	-11.72	0	0
Stage 3-Paratia	-11.92	0	0
Stage 3-Paratia	-11.92	0	0
Stage 3-Paratia	-12.12	0	0
Stage 3-Paratia	-12.12	0	0
Stage 3-Paratia	-12.32	0	0
Stage 3-Paratia	-12.32	0	0
Stage 3-Paratia	-12.52	0	0
Stage 3-Paratia	-12.52	0	0
Stage 3-Paratia	-12.72	0	0
Stage 3-Paratia	-12.72	0	0
Stage 3-Paratia	-12.92	0	0
Stage 3-Paratia	-12.92	0	0
Stage 3-Paratia	-13.12	0	0
Stage 3-Paratia	-13.12	0	0
Stage 3-Paratia	-13.32	0	0
Stage 3-Paratia	-13.32	0	0
Stage 3-Paratia	-13.52	0	0
Stage 3-Paratia	-13.52	0	0
Stage 3-Paratia	-13.72	0	0
Stage 3-Paratia	-13.72	0	0
Stage 3-Paratia	-13.92	0	0
Stage 3-Paratia	-13.92	0	0
Stage 3-Paratia	-14.12	0	0
Stage 3-Paratia	-14.12	0	0
Stage 3-Paratia	-14.32	0	0

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-14.32	0	0
Stage 3-Paratia	-14.52	0	0
Stage 3-Paratia	-14.52	0	0
Stage 3-Paratia	-14.72	0	0
Stage 3-Paratia	-14.72	0	0
Stage 3-Paratia	-14.92	0	0
Stage 3-Paratia	-14.92	0	0
Stage 3-Paratia	-15.12	0	0
Stage 3-Paratia	-15.12	0	0
Stage 3-Paratia	-15.32	0	0
Stage 3-Paratia	-15.32	0	0
Stage 3-Paratia	-15.52	0	0
Stage 3-Paratia	-15.52	0	0
Stage 3-Paratia	-15.72	0	0
Stage 3-Paratia	-15.72	0	0
Stage 3-Paratia	-15.92	0	0
Stage 3-Paratia	-15.92	0	0
Stage 3-Paratia	-16.12	0	0
Stage 3-Paratia	-16.12	0	0
Stage 3-Paratia	-16.32	0	0
Stage 3-Paratia	-16.32	0	0
Stage 3-Paratia	-16.52	0	0

6.5.4. Tabella Risultati Paratia SISMICA GEO - Left Wall - Stage: Stage 4-Scavo H=1.5m

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=1.5m	-0.32	0	0
Stage 4-Scavo H=1.5m	-0.52	0	0
Stage 4-Scavo H=1.5m	-0.52	0	0
Stage 4-Scavo H=1.5m	-0.72	-0.09	-0.45
Stage 4-Scavo H=1.5m	-0.92	-0.36	-1.34
Stage 4-Scavo H=1.5m	-1.12	-0.89	-2.68
Stage 4-Scavo H=1.5m	-1.32	-1.79	-4.47
Stage 4-Scavo H=1.5m	-1.52	-3.13	-6.7
Stage 4-Scavo H=1.5m	-1.72	-5.01	-9.38
Stage 4-Scavo H=1.5m	-1.92	-7.51	-12.51
Stage 4-Scavo H=1.5m	-2.12	-10.58	-15.37
Stage 4-Scavo H=1.5m	-2.32	-14.03	-17.22
Stage 4-Scavo H=1.5m	-2.52	-17.64	-18.08
Stage 4-Scavo H=1.5m	-2.72	-21.23	-17.94
Stage 4-Scavo H=1.5m	-2.92	-24.59	-16.81
Stage 4-Scavo H=1.5m	-3.12	-27.69	-15.51
Stage 4-Scavo H=1.5m	-3.32	-30.55	-14.26
Stage 4-Scavo H=1.5m	-3.52	-33.16	-13.07
Stage 4-Scavo H=1.5m	-3.72	-35.55	-11.93
Stage 4-Scavo H=1.5m	-3.92	-37.72	-10.85
Stage 4-Scavo H=1.5m	-4.12	-39.68	-9.82
Stage 4-Scavo H=1.5m	-4.32	-41.45	-8.85
Stage 4-Scavo H=1.5m	-4.52	-43.04	-7.93
Stage 4-Scavo H=1.5m	-4.72	-44.35	-6.56
Stage 4-Scavo H=1.5m	-4.92	-45.43	-5.38
Stage 4-Scavo H=1.5m	-5.12	-46.28	-4.25
Stage 4-Scavo H=1.5m	-5.32	-46.91	-3.18
Stage 4-Scavo H=1.5m	-5.52	-47.34	-2.15
Stage 4-Scavo H=1.5m	-5.72	-47.57	-1.16
Stage 4-Scavo H=1.5m	-5.92	-47.62	-0.23
Stage 4-Scavo H=1.5m	-6.12	-47.49	0.66
Stage 4-Scavo H=1.5m	-6.32	-47.18	1.51
Stage 4-Scavo H=1.5m	-6.52	-46.72	2.32
Stage 4-Scavo H=1.5m	-6.72	-46.1	3.09
Stage 4-Scavo H=1.5m	-6.92	-45.34	3.82
Stage 4-Scavo H=1.5m	-7.12	-44.43	4.52
Stage 4-Scavo H=1.5m	-7.32	-43.4	5.18
Stage 4-Scavo H=1.5m	-7.52	-42.24	5.8
Stage 4-Scavo H=1.5m	-7.72	-40.96	6.39
Stage 4-Scavo H=1.5m	-7.92	-39.57	6.95
Stage 4-Scavo H=1.5m	-8.12	-38.07	7.47
Stage 4-Scavo H=1.5m	-8.32	-36.49	7.92
Stage 4-Scavo H=1.5m	-8.52	-34.83	8.28
Stage 4-Scavo H=1.5m	-8.72	-33.12	8.58
Stage 4-Scavo H=1.5m	-8.92	-31.36	8.81
Stage 4-Scavo H=1.5m	-9.12	-29.56	8.97
Stage 4-Scavo H=1.5m	-9.32	-27.75	9.07
Stage 4-Scavo H=1.5m	-9.52	-25.92	9.12
Stage 4-Scavo H=1.5m	-9.72	-24.1	9.1
Stage 4-Scavo H=1.5m	-9.92	-22.3	9.03
Stage 4-Scavo H=1.5m	-10.12	-20.51	8.91
Stage 4-Scavo H=1.5m	-10.32	-18.77	8.74
Stage 4-Scavo H=1.5m	-10.52	-17.06	8.52
Stage 4-Scavo H=1.5m	-10.72	-15.41	8.26
Stage 4-Scavo H=1.5m	-10.92	-13.82	7.94
Stage 4-Scavo H=1.5m	-11.12	-12.3	7.59
Stage 4-Scavo H=1.5m	-11.32	-10.86	7.19
Stage 4-Scavo H=1.5m	-11.52	-9.51	6.76
Stage 4-Scavo H=1.5m	-11.72	-8.26	6.28
Stage 4-Scavo H=1.5m	-11.92	-7.11	5.76
Stage 4-Scavo H=1.5m	-12.12	-6.06	5.2
Stage 4-Scavo H=1.5m	-12.32	-5.14	4.61
Stage 4-Scavo H=1.5m	-12.52	-4.35	3.98
Stage 4-Scavo H=1.5m	-12.72	-3.68	3.31
Stage 4-Scavo H=1.5m	-12.92	-3.16	2.61
Stage 4-Scavo H=1.5m	-13.12	-2.79	1.87
Stage 4-Scavo H=1.5m	-13.32	-2.57	1.09

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=1.5m	-13.52	-2.52	0.28
Stage 4-Scavo H=1.5m	-13.72	-2.63	-0.57
Stage 4-Scavo H=1.5m	-13.92	-2.92	-1.45
Stage 4-Scavo H=1.5m	-14.12	-3.06	-0.71
Stage 4-Scavo H=1.5m	-14.32	-3.08	-0.07
Stage 4-Scavo H=1.5m	-14.52	-2.98	0.49
Stage 4-Scavo H=1.5m	-14.72	-2.79	0.95
Stage 4-Scavo H=1.5m	-14.92	-2.53	1.33
Stage 4-Scavo H=1.5m	-15.12	-2.2	1.62
Stage 4-Scavo H=1.5m	-15.32	-1.84	1.83
Stage 4-Scavo H=1.5m	-15.52	-1.44	1.96
Stage 4-Scavo H=1.5m	-15.72	-1.04	2.01
Stage 4-Scavo H=1.5m	-15.92	-0.65	1.94
Stage 4-Scavo H=1.5m	-16.12	-0.32	1.67
Stage 4-Scavo H=1.5m	-16.32	-0.09	1.16
Stage 4-Scavo H=1.5m	-16.52	0	0.43

6.5.5. Tabella Risultati Paratia SISMICA GEO - Left Wall - Stage: Stage 5-Scavo H=3m

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=3m	-0.32	0	0
Stage 5-Scavo H=3m	-0.52	0	0
Stage 5-Scavo H=3m	-0.52	0	0
Stage 5-Scavo H=3m	-0.72	-0.09	-0.45
Stage 5-Scavo H=3m	-0.92	-0.36	-1.34
Stage 5-Scavo H=3m	-1.12	-0.89	-2.68
Stage 5-Scavo H=3m	-1.32	-1.79	-4.47
Stage 5-Scavo H=3m	-1.52	-3.13	-6.7
Stage 5-Scavo H=3m	-1.72	-5.01	-9.38
Stage 5-Scavo H=3m	-1.92	-7.51	-12.51
Stage 5-Scavo H=3m	-2.12	-10.73	-16.09
Stage 5-Scavo H=3m	-2.32	-14.75	-20.11
Stage 5-Scavo H=3m	-2.52	-19.66	-24.58
Stage 5-Scavo H=3m	-2.72	-25.56	-29.49
Stage 5-Scavo H=3m	-2.92	-32.53	-34.86
Stage 5-Scavo H=3m	-3.12	-40.67	-40.67
Stage 5-Scavo H=3m	-3.32	-50.05	-46.92
Stage 5-Scavo H=3m	-3.52	-60.78	-53.63
Stage 5-Scavo H=3m	-3.72	-72.64	-59.33
Stage 5-Scavo H=3m	-3.92	-85.45	-64.04
Stage 5-Scavo H=3m	-4.12	-99	-67.75
Stage 5-Scavo H=3m	-4.32	-113.09	-70.47
Stage 5-Scavo H=3m	-4.52	-127.53	-72.18
Stage 5-Scavo H=3m	-4.72	-140.76	-66.14
Stage 5-Scavo H=3m	-4.92	-152.85	-60.44
Stage 5-Scavo H=3m	-5.12	-163.84	-54.95
Stage 5-Scavo H=3m	-5.32	-173.77	-49.66
Stage 5-Scavo H=3m	-5.52	-182.68	-44.58
Stage 5-Scavo H=3m	-5.72	-190.63	-39.7
Stage 5-Scavo H=3m	-5.92	-197.63	-35.02
Stage 5-Scavo H=3m	-6.12	-203.74	-30.54
Stage 5-Scavo H=3m	-6.32	-208.99	-26.24
Stage 5-Scavo H=3m	-6.52	-213.41	-22.13
Stage 5-Scavo H=3m	-6.72	-217.05	-18.21
Stage 5-Scavo H=3m	-6.92	-219.95	-14.47
Stage 5-Scavo H=3m	-7.12	-222.13	-10.9
Stage 5-Scavo H=3m	-7.32	-223.63	-7.5
Stage 5-Scavo H=3m	-7.52	-224.48	-4.27
Stage 5-Scavo H=3m	-7.72	-224.72	-1.2
Stage 5-Scavo H=3m	-7.92	-224.38	1.71
Stage 5-Scavo H=3m	-8.12	-223.48	4.47
Stage 5-Scavo H=3m	-8.32	-222.07	7.07
Stage 5-Scavo H=3m	-8.52	-220.17	9.53
Stage 5-Scavo H=3m	-8.72	-217.8	11.85
Stage 5-Scavo H=3m	-8.92	-214.99	14.02
Stage 5-Scavo H=3m	-9.12	-211.78	16.07
Stage 5-Scavo H=3m	-9.32	-208.18	17.98
Stage 5-Scavo H=3m	-9.52	-204.23	19.77
Stage 5-Scavo H=3m	-9.72	-199.94	21.44
Stage 5-Scavo H=3m	-9.92	-195.34	22.99
Stage 5-Scavo H=3m	-10.12	-190.46	24.42
Stage 5-Scavo H=3m	-10.32	-185.31	25.75
Stage 5-Scavo H=3m	-10.52	-179.91	26.96
Stage 5-Scavo H=3m	-10.72	-174.3	28.07
Stage 5-Scavo H=3m	-10.92	-168.48	29.08
Stage 5-Scavo H=3m	-11.12	-162.49	29.99
Stage 5-Scavo H=3m	-11.32	-156.32	30.81
Stage 5-Scavo H=3m	-11.52	-150.02	31.53
Stage 5-Scavo H=3m	-11.72	-143.58	32.17
Stage 5-Scavo H=3m	-11.92	-137.04	32.72
Stage 5-Scavo H=3m	-12.12	-130.4	33.18
Stage 5-Scavo H=3m	-12.32	-123.71	33.45
Stage 5-Scavo H=3m	-12.52	-117.02	33.48
Stage 5-Scavo H=3m	-12.72	-110.36	33.29
Stage 5-Scavo H=3m	-12.92	-103.78	32.88
Stage 5-Scavo H=3m	-13.12	-97.33	32.26
Stage 5-Scavo H=3m	-13.32	-91.05	31.43

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=3m	-13.52	-84.97	30.4
Stage 5-Scavo H=3m	-13.72	-79.13	29.18
Stage 5-Scavo H=3m	-13.92	-73.58	27.76
Stage 5-Scavo H=3m	-14.12	-67.55	30.12
Stage 5-Scavo H=3m	-14.32	-61.14	32.07
Stage 5-Scavo H=3m	-14.52	-54.41	33.62
Stage 5-Scavo H=3m	-14.72	-47.46	34.78
Stage 5-Scavo H=3m	-14.92	-40.35	35.55
Stage 5-Scavo H=3m	-15.12	-33.16	35.93
Stage 5-Scavo H=3m	-15.32	-26.1	35.32
Stage 5-Scavo H=3m	-15.52	-19.35	33.73
Stage 5-Scavo H=3m	-15.72	-13.19	30.83
Stage 5-Scavo H=3m	-15.92	-7.88	26.55
Stage 5-Scavo H=3m	-16.12	-3.72	20.8
Stage 5-Scavo H=3m	-16.32	-1	13.6
Stage 5-Scavo H=3m	-16.52	0	4.98

6.5.6. Tabella Risultati Paratia SISMICA GEO - Left Wall - Stage: Stage 6-Scavo H=4.84m

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=4.84m	-0.32	0	0
Stage 6-Scavo H=4.84m	-0.52	0	0
Stage 6-Scavo H=4.84m	-0.52	0	0
Stage 6-Scavo H=4.84m	-0.72	-0.09	-0.45
Stage 6-Scavo H=4.84m	-0.92	-0.36	-1.34
Stage 6-Scavo H=4.84m	-1.12	-0.89	-2.68
Stage 6-Scavo H=4.84m	-1.32	-1.79	-4.47
Stage 6-Scavo H=4.84m	-1.52	-3.13	-6.7
Stage 6-Scavo H=4.84m	-1.72	-5.01	-9.38
Stage 6-Scavo H=4.84m	-1.92	-7.51	-12.51
Stage 6-Scavo H=4.84m	-2.12	-10.73	-16.09
Stage 6-Scavo H=4.84m	-2.32	-14.75	-20.11
Stage 6-Scavo H=4.84m	-2.52	-19.66	-24.58
Stage 6-Scavo H=4.84m	-2.72	-25.56	-29.49
Stage 6-Scavo H=4.84m	-2.92	-32.53	-34.86
Stage 6-Scavo H=4.84m	-3.12	-40.67	-40.67
Stage 6-Scavo H=4.84m	-3.32	-50.05	-46.92
Stage 6-Scavo H=4.84m	-3.52	-60.78	-53.63
Stage 6-Scavo H=4.84m	-3.72	-72.93	-60.78
Stage 6-Scavo H=4.84m	-3.92	-86.61	-68.37
Stage 6-Scavo H=4.84m	-4.12	-101.89	-76.42
Stage 6-Scavo H=4.84m	-4.32	-118.87	-84.91
Stage 6-Scavo H=4.84m	-4.52	-137.64	-93.84
Stage 6-Scavo H=4.84m	-4.72	-157.96	-101.6
Stage 6-Scavo H=4.84m	-4.92	-179.93	-109.84
Stage 6-Scavo H=4.84m	-5.12	-203.64	-118.58
Stage 6-Scavo H=4.84m	-5.32	-229.2	-127.8
Stage 6-Scavo H=4.84m	-5.52	-255.37	-130.86
Stage 6-Scavo H=4.84m	-5.72	-281.89	-132.59
Stage 6-Scavo H=4.84m	-5.92	-308.55	-133.31
Stage 6-Scavo H=4.84m	-6.12	-335.23	-133.35
Stage 6-Scavo H=4.84m	-6.32	-361.77	-132.71
Stage 6-Scavo H=4.84m	-6.52	-388.04	-131.37
Stage 6-Scavo H=4.84m	-6.72	-413.91	-129.34
Stage 6-Scavo H=4.84m	-6.92	-439.23	-126.62
Stage 6-Scavo H=4.84m	-7.12	-463.88	-123.22
Stage 6-Scavo H=4.84m	-7.32	-487.7	-119.12
Stage 6-Scavo H=4.84m	-7.52	-510.57	-114.33
Stage 6-Scavo H=4.84m	-7.72	-532.34	-108.86
Stage 6-Scavo H=4.84m	-7.92	-552.88	-102.69
Stage 6-Scavo H=4.84m	-8.12	-572.04	-95.84
Stage 6-Scavo H=4.84m	-8.32	-589.7	-88.3
Stage 6-Scavo H=4.84m	-8.52	-605.72	-80.07
Stage 6-Scavo H=4.84m	-8.72	-619.95	-71.14
Stage 6-Scavo H=4.84m	-8.92	-632.25	-61.53
Stage 6-Scavo H=4.84m	-9.12	-642.5	-51.23
Stage 6-Scavo H=4.84m	-9.32	-650.55	-40.24
Stage 6-Scavo H=4.84m	-9.52	-656.26	-28.56
Stage 6-Scavo H=4.84m	-9.72	-659.5	-16.2
Stage 6-Scavo H=4.84m	-9.92	-660.28	-3.87
Stage 6-Scavo H=4.84m	-10.12	-658.71	7.81
Stage 6-Scavo H=4.84m	-10.32	-654.94	18.88
Stage 6-Scavo H=4.84m	-10.52	-649.07	29.33
Stage 6-Scavo H=4.84m	-10.72	-641.24	39.17
Stage 6-Scavo H=4.84m	-10.92	-631.56	48.4
Stage 6-Scavo H=4.84m	-11.12	-620.15	57.05
Stage 6-Scavo H=4.84m	-11.32	-607.12	65.11
Stage 6-Scavo H=4.84m	-11.52	-592.61	72.59
Stage 6-Scavo H=4.84m	-11.72	-576.7	79.51
Stage 6-Scavo H=4.84m	-11.92	-559.53	85.86
Stage 6-Scavo H=4.84m	-12.12	-541.2	91.65
Stage 6-Scavo H=4.84m	-12.32	-521.82	96.9
Stage 6-Scavo H=4.84m	-12.52	-501.5	101.6
Stage 6-Scavo H=4.84m	-12.72	-480.35	105.76
Stage 6-Scavo H=4.84m	-12.92	-458.47	109.4
Stage 6-Scavo H=4.84m	-13.12	-435.97	112.51
Stage 6-Scavo H=4.84m	-13.32	-412.95	115.1

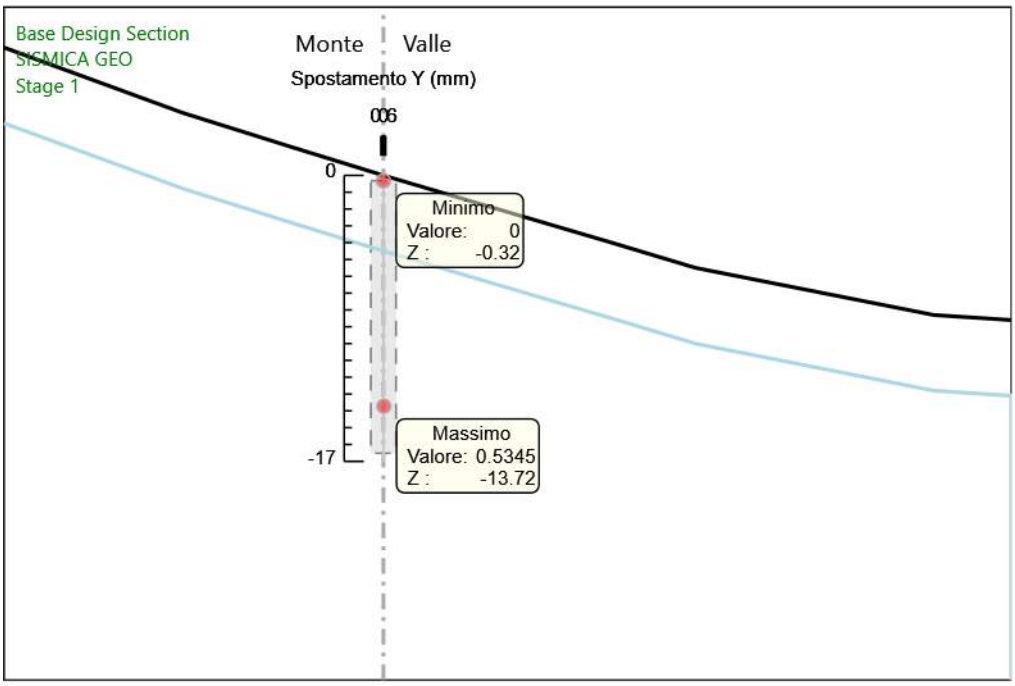
Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=4.84m	-13.52	-389.51	117.17
Stage 6-Scavo H=4.84m	-13.72	-365.77	118.74
Stage 6-Scavo H=4.84m	-13.92	-341.81	119.8
Stage 6-Scavo H=4.84m	-14.12	-314.27	137.69
Stage 6-Scavo H=4.84m	-14.32	-283.81	152.31
Stage 6-Scavo H=4.84m	-14.52	-251.07	163.69
Stage 6-Scavo H=4.84m	-14.72	-216.7	171.84
Stage 6-Scavo H=4.84m	-14.92	-181.34	176.8
Stage 6-Scavo H=4.84m	-15.12	-145.91	177.17
Stage 6-Scavo H=4.84m	-15.32	-111.75	170.76
Stage 6-Scavo H=4.84m	-15.52	-80.56	155.95
Stage 6-Scavo H=4.84m	-15.72	-53.48	135.42
Stage 6-Scavo H=4.84m	-15.92	-31.18	111.47
Stage 6-Scavo H=4.84m	-16.12	-14.38	84.02
Stage 6-Scavo H=4.84m	-16.32	-3.76	53.1
Stage 6-Scavo H=4.84m	-16.52	0	18.8

6.5.7. Tabella Risultati Paratia SISMICA GEO - Left Wall - Stage: Sismica

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sismica	-0.32	0	-0.51
Sismica	-0.52	-0.1	-0.51
Sismica	-0.72	-0.5	-1.97
Sismica	-0.92	-1.27	-3.88
Sismica	-1.12	-2.52	-6.23
Sismica	-1.32	-4.33	-9.04
Sismica	-1.52	-6.78	-12.29
Sismica	-1.72	-9.98	-15.98
Sismica	-1.92	-14	-20.13
Sismica	-2.12	-18.95	-24.72
Sismica	-2.32	-24.9	-29.75
Sismica	-2.52	-31.95	-35.24
Sismica	-2.72	-40.18	-41.17
Sismica	-2.92	-49.69	-47.55
Sismica	-3.12	-60.56	-54.37
Sismica	-3.32	-72.89	-61.64
Sismica	-3.52	-86.77	-69.36
Sismica	-3.72	-102.27	-77.53
Sismica	-3.92	-119.5	-86.14
Sismica	-4.12	-138.54	-95.2
Sismica	-4.32	-159.48	-104.7
Sismica	-4.52	-182.41	-114.66
Sismica	-4.72	-207.09	-123.42
Sismica	-4.92	-233.63	-132.68
Sismica	-5.12	-262.12	-142.43
Sismica	-5.32	-292.57	-152.27
Sismica	-5.52	-323.71	-155.67
Sismica	-5.72	-355.29	-157.94
Sismica	-5.92	-387.18	-159.43
Sismica	-6.12	-419.27	-160.44
Sismica	-6.32	-451.46	-160.98
Sismica	-6.52	-483.67	-161.02
Sismica	-6.72	-515.78	-160.57
Sismica	-6.92	-547.7	-159.62
Sismica	-7.12	-579.34	-158.18
Sismica	-7.32	-610.59	-156.23
Sismica	-7.52	-641.34	-153.78
Sismica	-7.72	-671.51	-150.83
Sismica	-7.92	-700.98	-147.37
Sismica	-8.12	-729.66	-143.41
Sismica	-8.32	-757.45	-138.94
Sismica	-8.52	-784.24	-133.96
Sismica	-8.72	-809.94	-128.48
Sismica	-8.92	-834.44	-122.49
Sismica	-9.12	-857.64	-116
Sismica	-9.32	-879.44	-109
Sismica	-9.52	-899.74	-101.49
Sismica	-9.72	-918.43	-93.47
Sismica	-9.92	-935.42	-84.95
Sismica	-10.12	-950.6	-75.91
Sismica	-10.32	-963.87	-66.37
Sismica	-10.52	-975.14	-56.32
Sismica	-10.72	-984.29	-45.76
Sismica	-10.92	-991.23	-34.69
Sismica	-11.12	-995.85	-23.12
Sismica	-11.32	-998.06	-11.03
Sismica	-11.52	-997.75	1.56
Sismica	-11.72	-994.82	14.66
Sismica	-11.92	-989.16	28.27
Sismica	-12.12	-980.68	42.39
Sismica	-12.32	-969.28	57.02
Sismica	-12.52	-954.85	72.16
Sismica	-12.72	-937.28	87.81
Sismica	-12.92	-916.49	103.97
Sismica	-13.12	-892.36	120.63
Sismica	-13.32	-864.8	137.81
Sismica	-13.52	-833.7	155.49

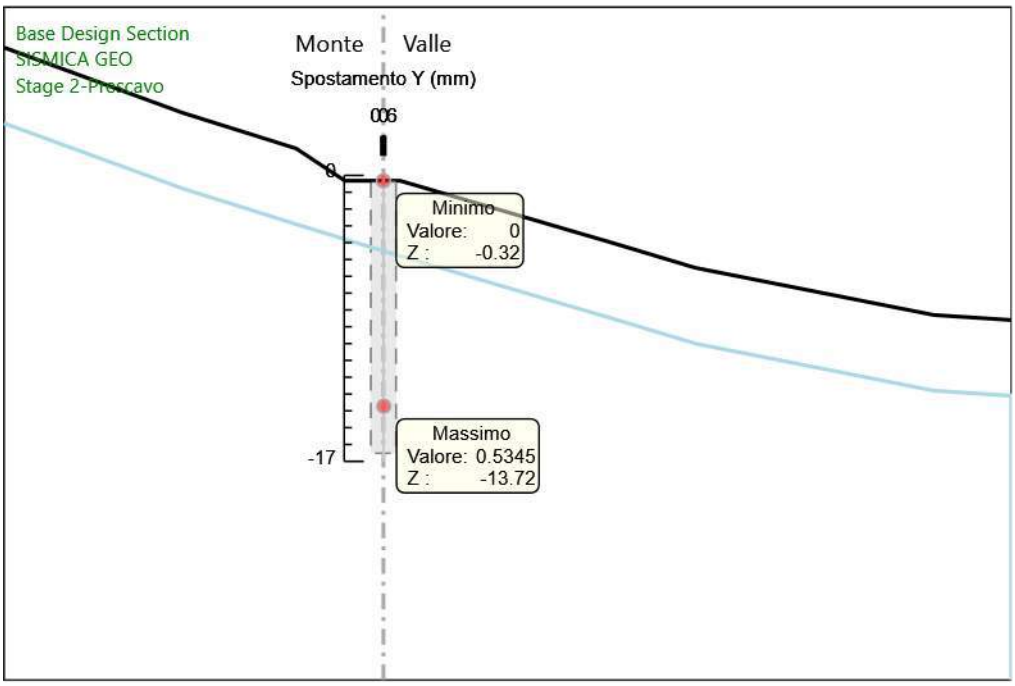
Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Sismica	-13.72	-798.96	173.69
Sismica	-13.92	-760.49	192.39
Sismica	-14.12	-717.5	214.93
Sismica	-14.32	-669.88	238.11
Sismica	-14.52	-617.5	261.91
Sismica	-14.72	-560.23	286.35
Sismica	-14.92	-497.94	311.42
Sismica	-15.12	-430.52	337.13
Sismica	-15.32	-357.82	363.46
Sismica	-15.52	-279.74	390.44
Sismica	-15.72	-197.8	409.68
Sismica	-15.92	-119.17	393.17
Sismica	-16.12	-55.59	317.89
Sismica	-16.32	-13.96	208.15
Sismica	-16.52	0	69.79

6.5.8. Grafico Spostamento SISMICA GEO - Stage: Stage 1



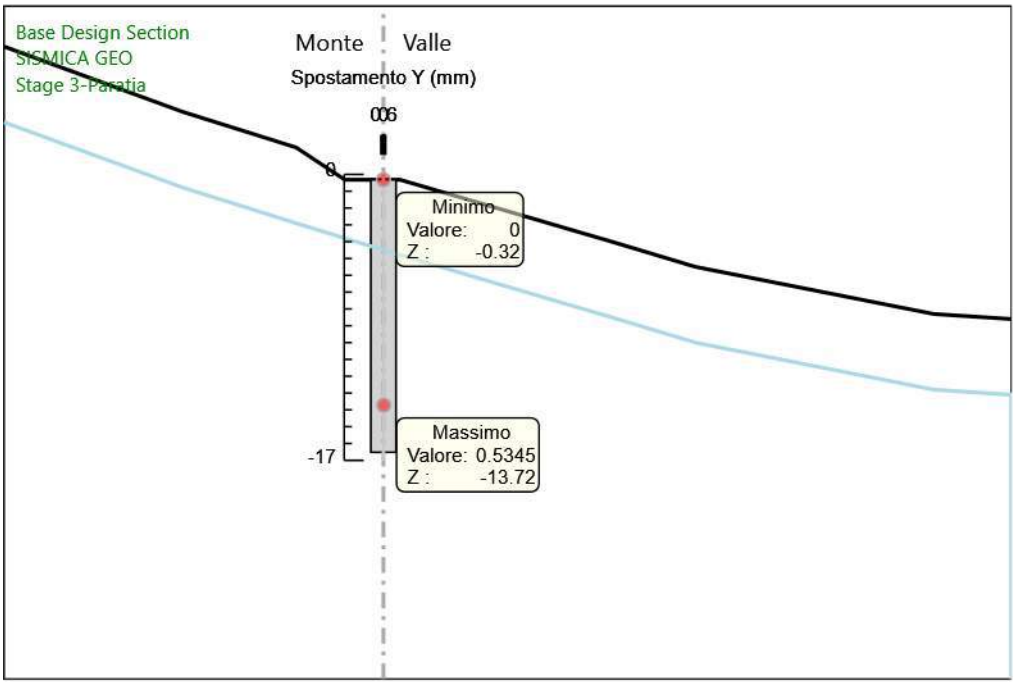
Design Assumption: SISMICA GEO
Stage: Stage 1
Spostamento orizzontale

6.5.9. Grafico Spostamento SISMICA GEO - Stage: Stage 2-Prescavo



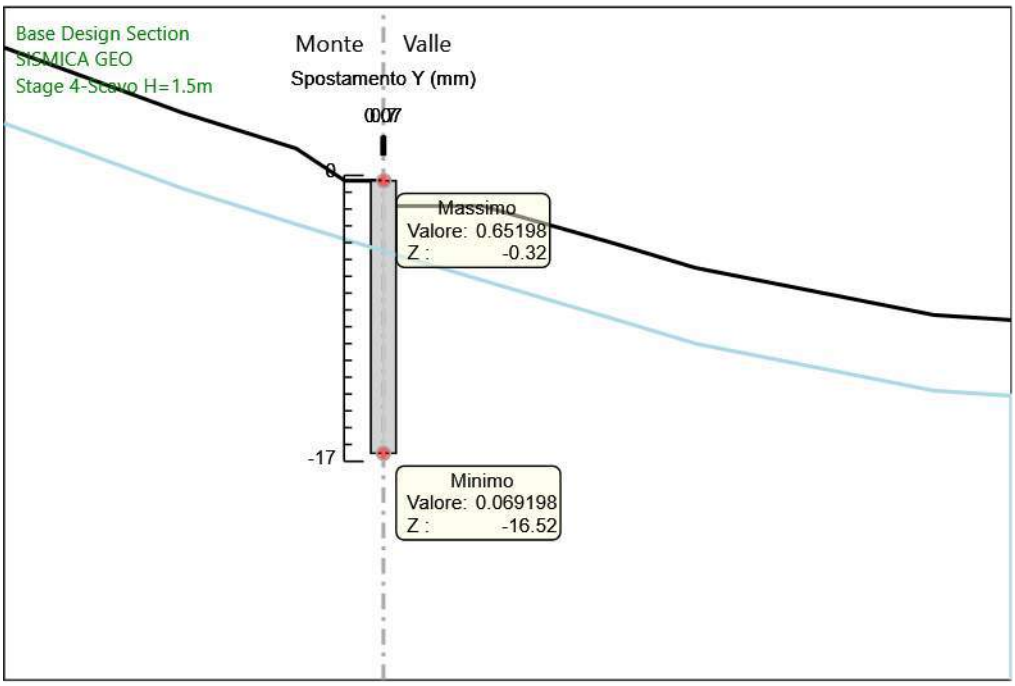
Design Assumption: SISMICA GEO
Stage: Stage 2-Prescavo
Spostamento orizzontale

6.5.10. Grafico Spostamento SISMICA GEO - Stage: Stage 3-Paratia



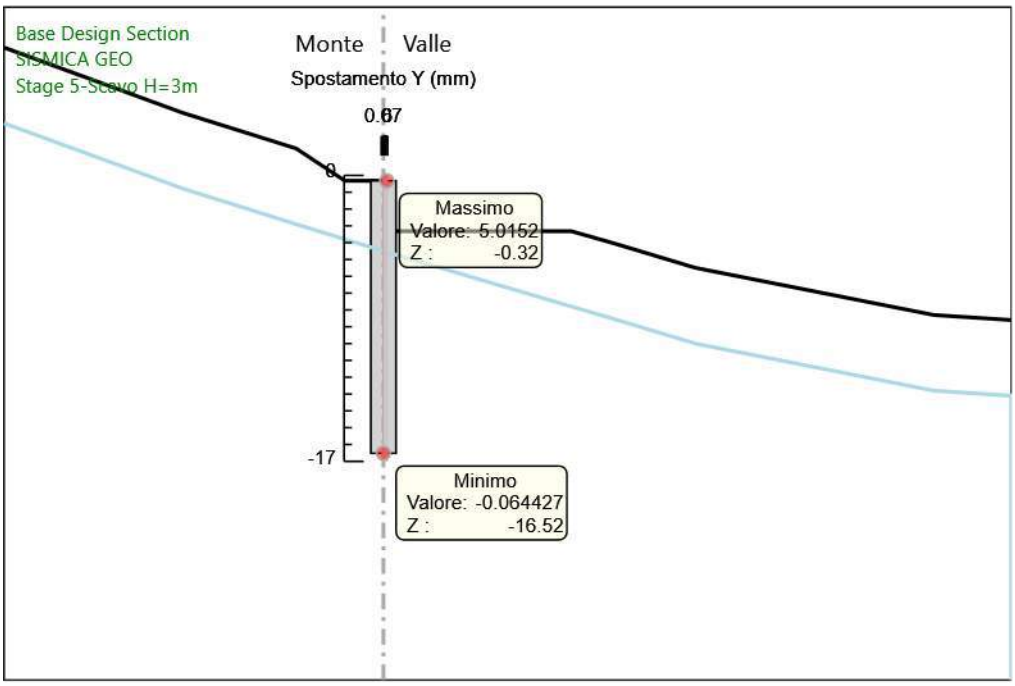
Design Assumption: SISMICA GEO
Stage: Stage 3-Paratia
Spostamento orizzontale

6.5.11. Grafico Spostamento SISMICA GEO - Stage: Stage 4-Scavo H=1.5m



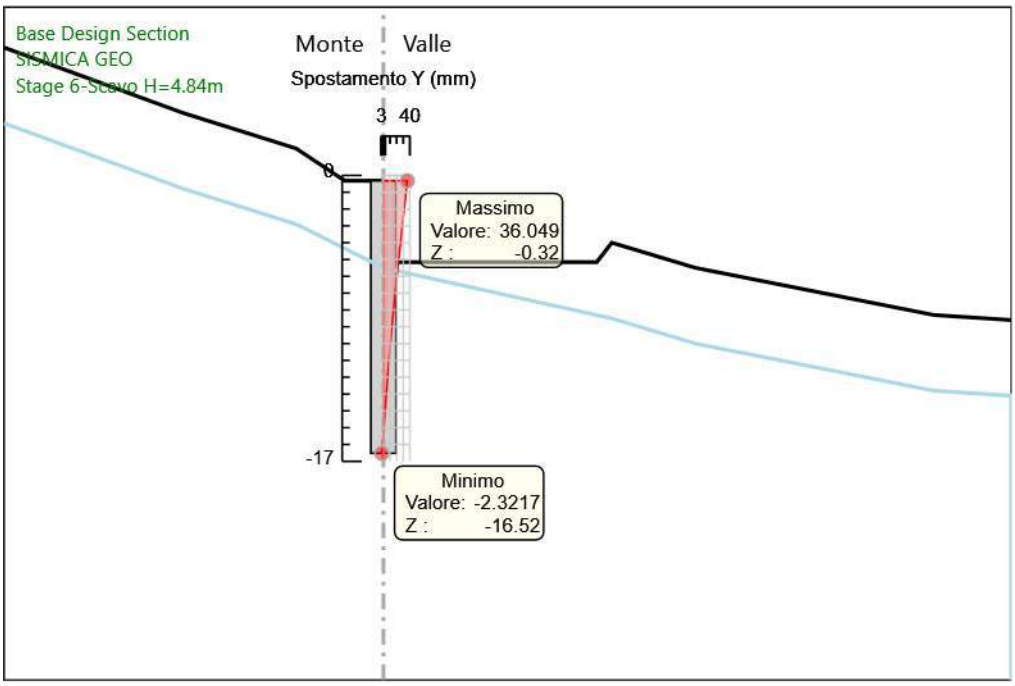
Design Assumption: SISMICA GEO
Stage: Stage 4-Scavo H=1.5m
Spostamento orizzontale

6.5.12. Grafico Spostamento SISMICA GEO - Stage: Stage 5-Scavo H=3m



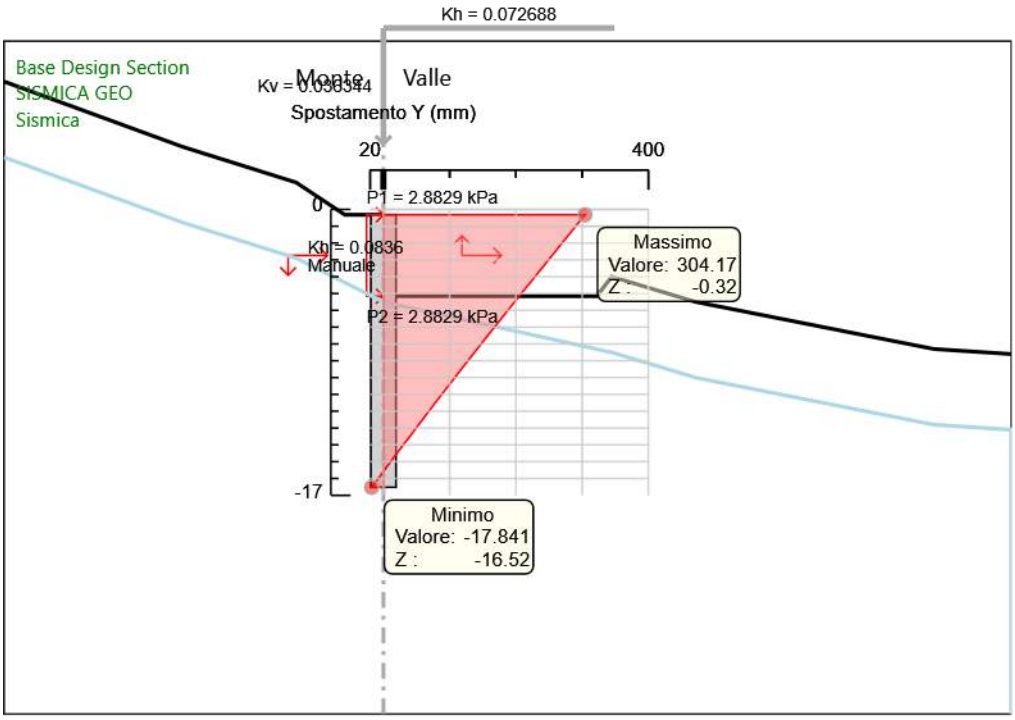
Design Assumption: SISMICA GEO
Stage: Stage 5-Scavo H=3m
Spostamento orizzontale

6.5.13. Grafico Spostamento SISMICA GEO - Stage: Stage 6-Scavo H=4.84m



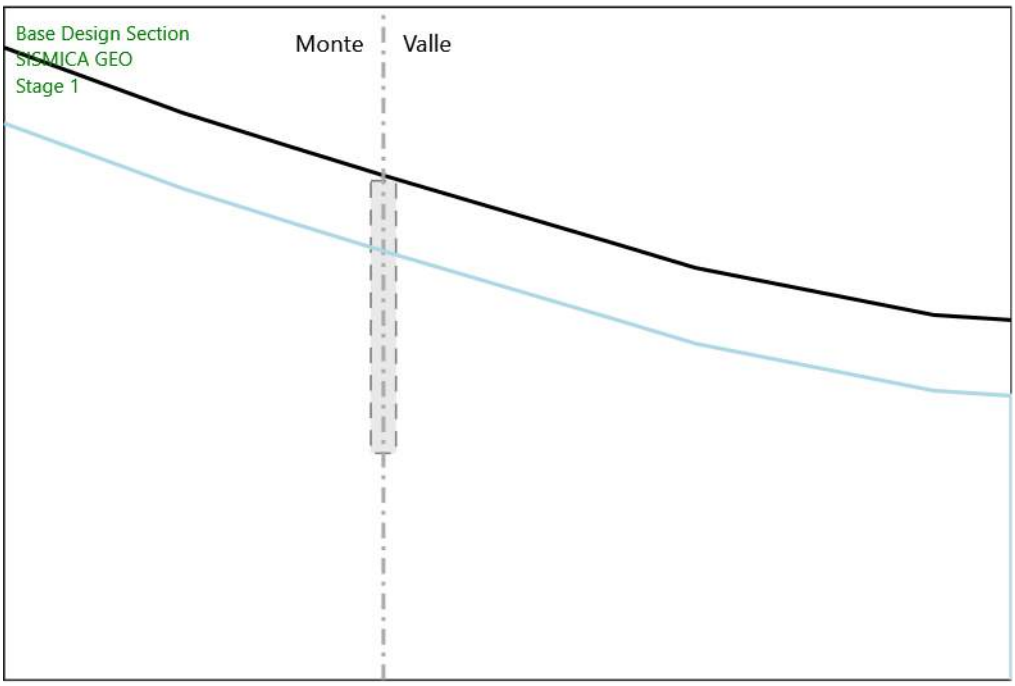
Design Assumption: SISMICA GEO
Stage: Stage 6-Scavo H=4.84m
Spostamento orizzontale

6.5.14. Grafico Spostamento SISMICA GEO - Stage: Sismica



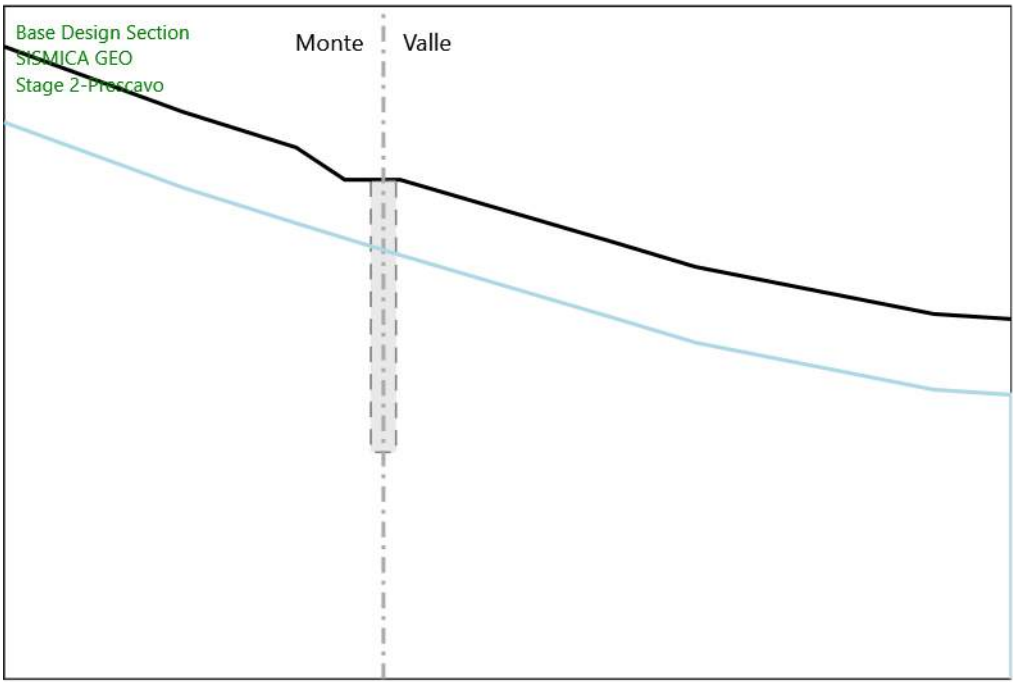
Design Assumption: SISMICA GEO
Stage: Sismica
Spostamento orizzontale

6.5.15. Grafico Risultati Momento SISMICA GEO - Stage: Stage 1



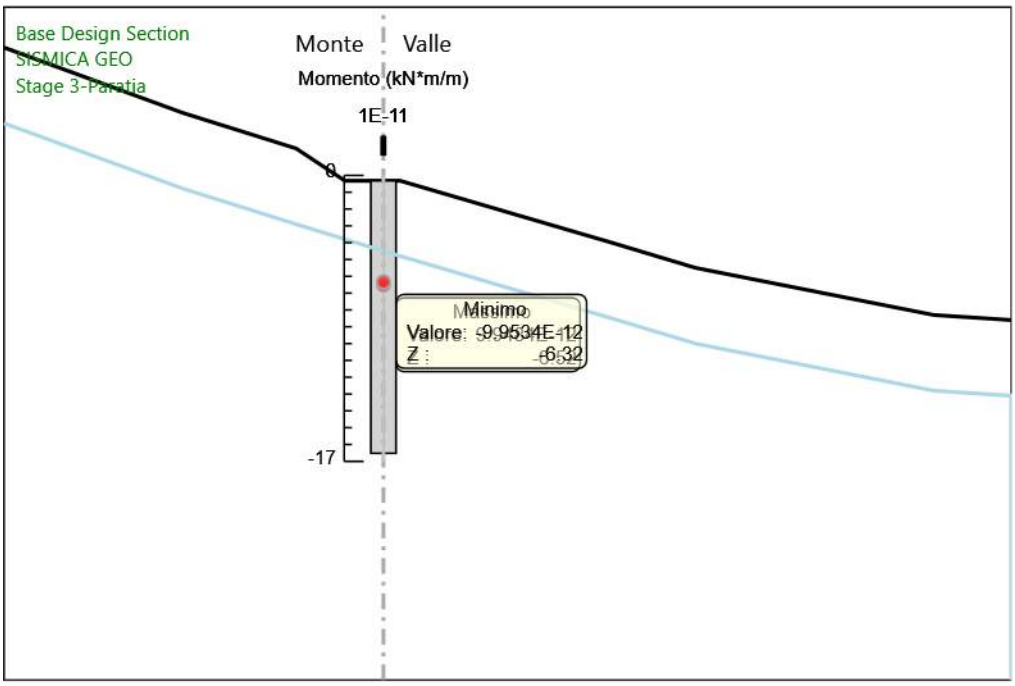
Design Assumption: SISMICA GEO
Stage: Stage 1
Momento

6.5.16. Grafico Risultati Momento SISMICA GEO - Stage: Stage 2-Prescavo



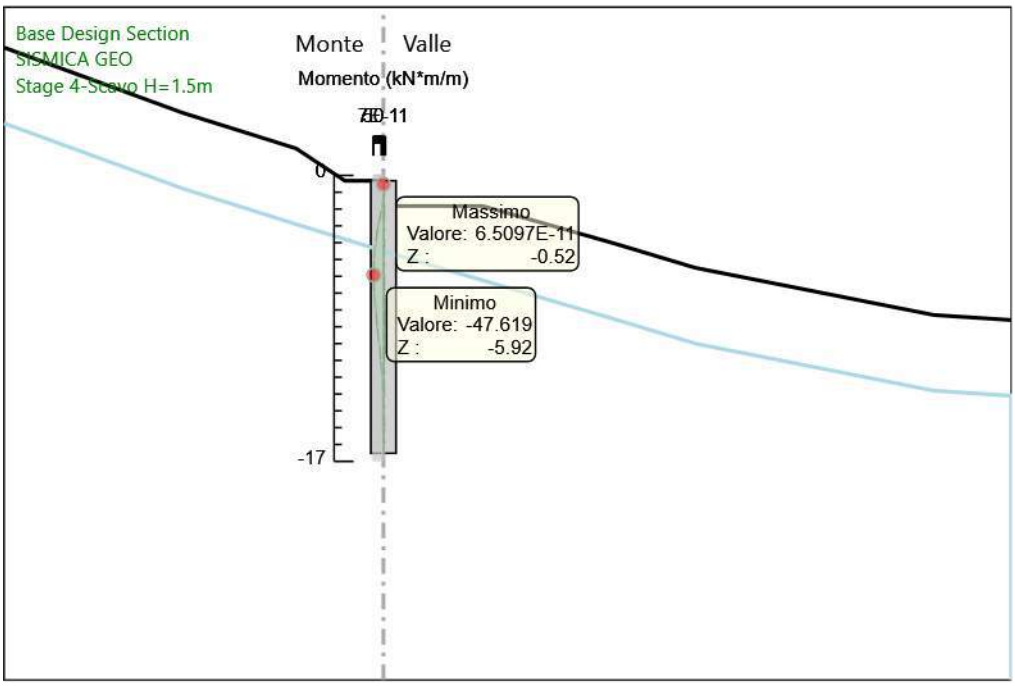
Design Assumption: SISMICA GEO
Stage: Stage 2-Prescavo
Momento

6.5.17. Grafico Risultati Momento SISMICA GEO - Stage: Stage 3-Paratia



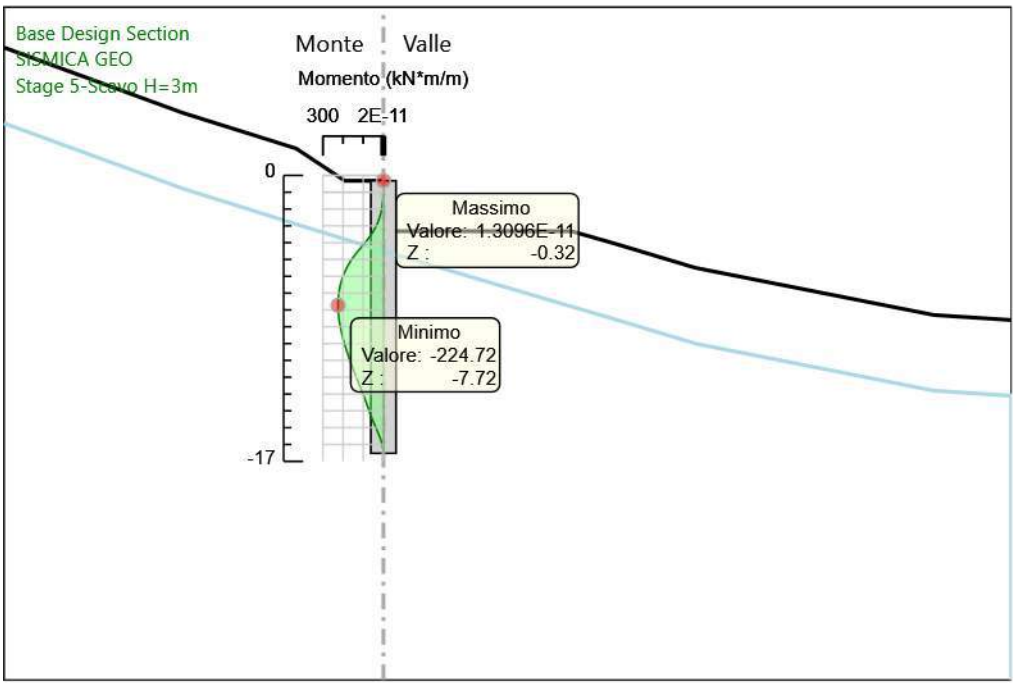
Design Assumption: SISMICA GEO
Stage: Stage 3-Paratia
Momento

6.5.18. Grafico Risultati Momento SISMICA GEO - Stage: Stage 4-Scavo H=1.5m



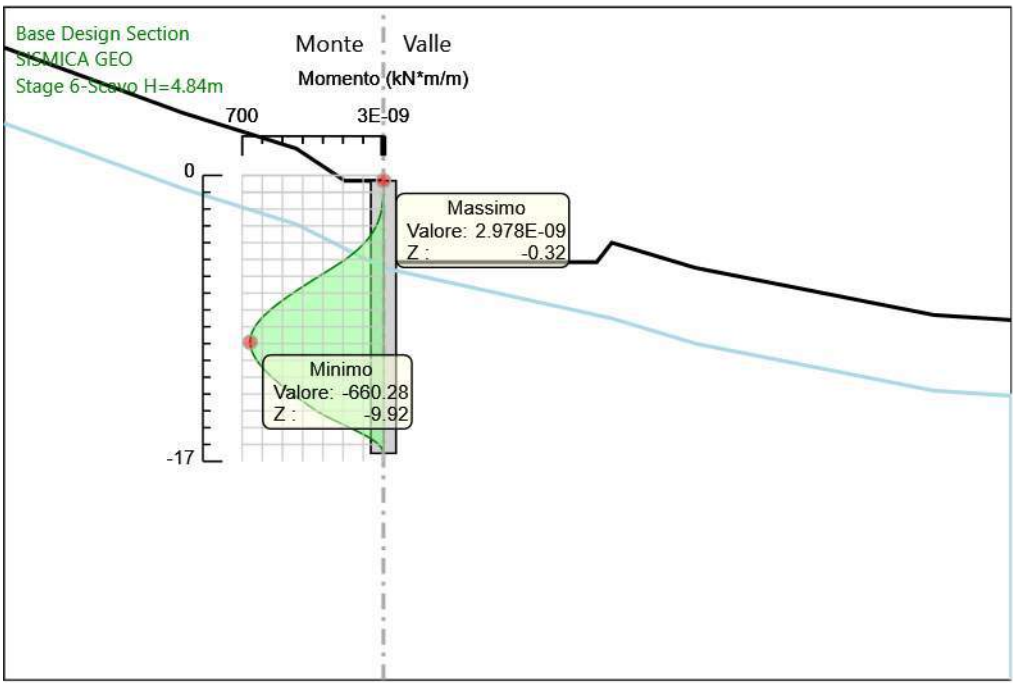
Design Assumption: SISMICA GEO
Stage: Stage 4-Scavo H=1.5m
Momento

6.5.19. Grafico Risultati Momento SISMICA GEO - Stage: Stage 5-Scavo H=3m



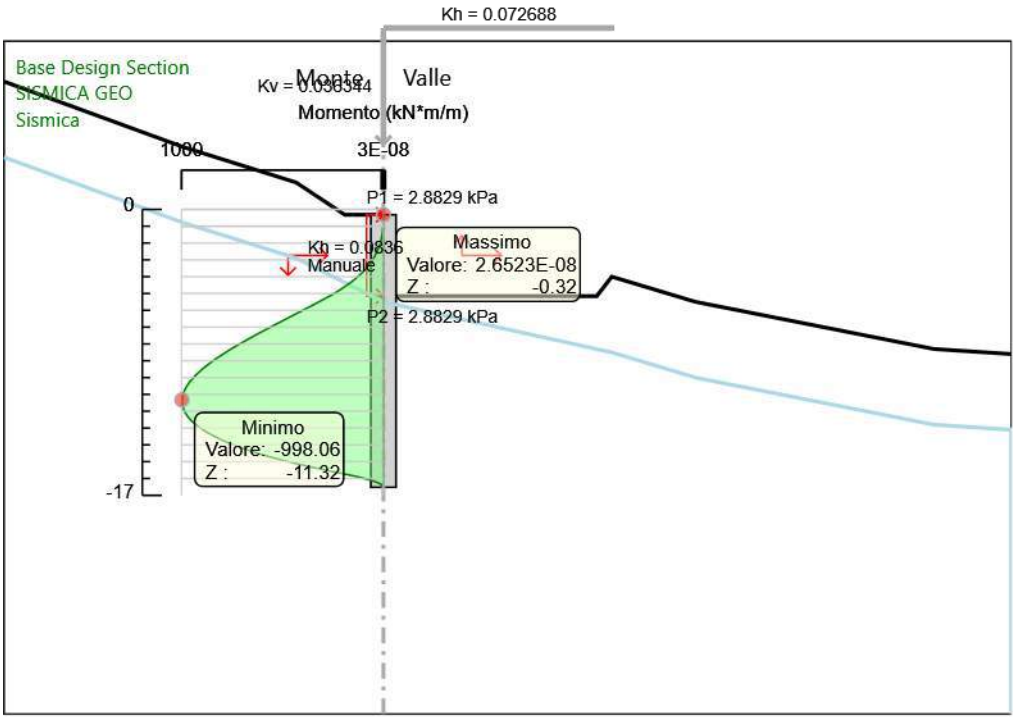
Design Assumption: SISMICA GEO
Stage: Stage 5-Scavo H=3m
Momento

6.5.20. Grafico Risultati Momento SISMICA GEO - Stage: Stage 6-Scavo H=4.84m



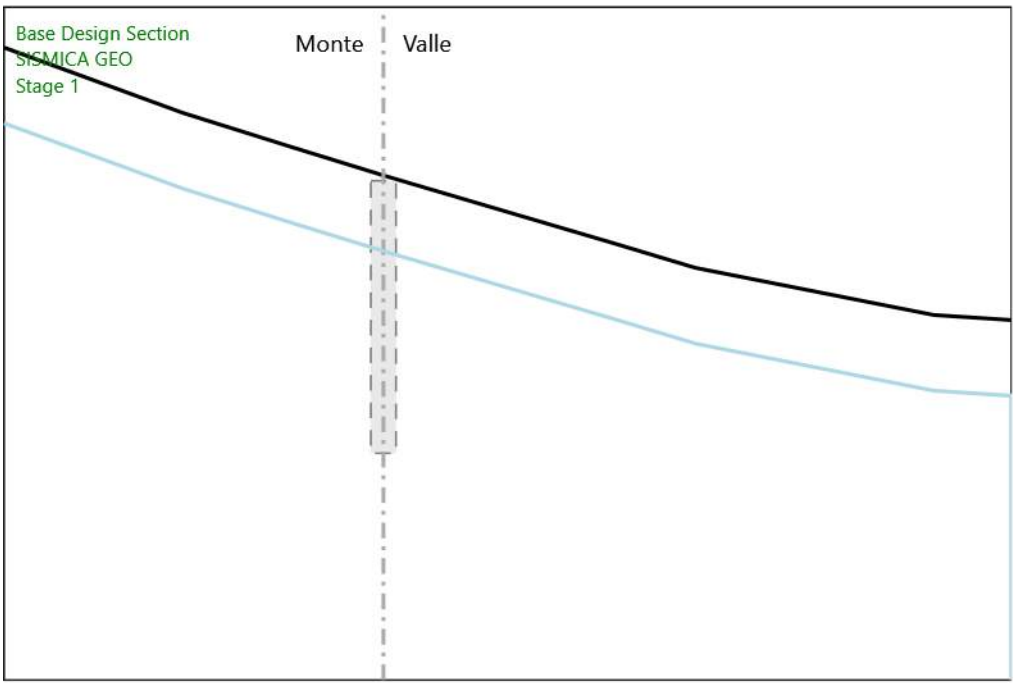
Design Assumption: SISMICA GEO
Stage: Stage 6-Scavo H=4.84m
Momento

6.5.21. Grafico Risultati Momento SISMICA GEO - Stage: Sismica



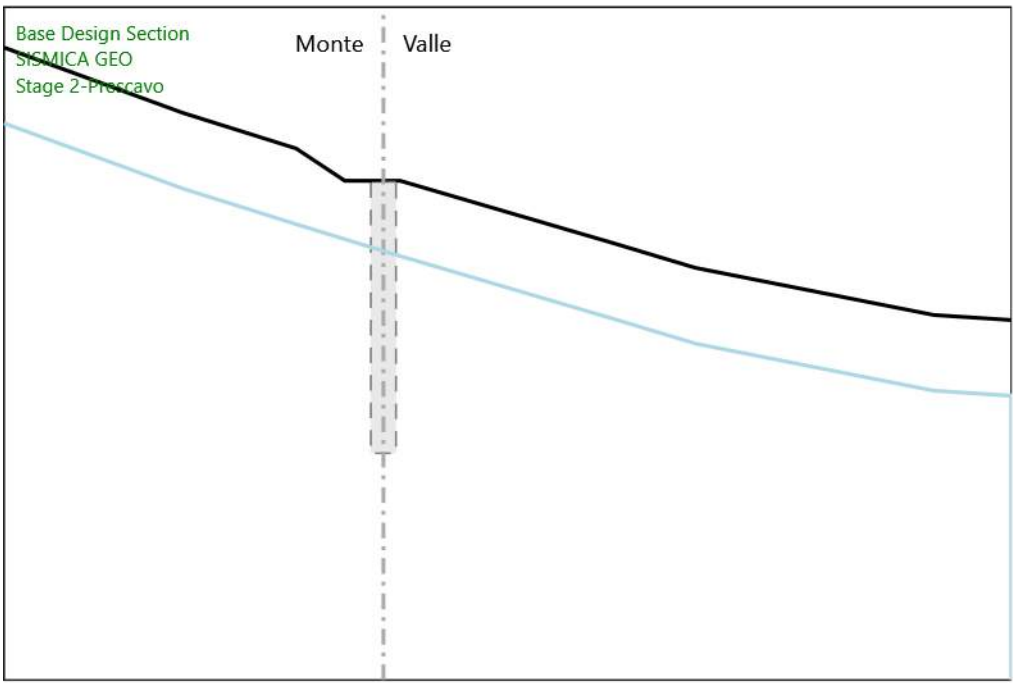
Design Assumption: SISMICA GEO
Stage: Sismica
Momento

6.5.22. Grafico Risultati Taglio SISMICA GEO - Stage: Stage 1



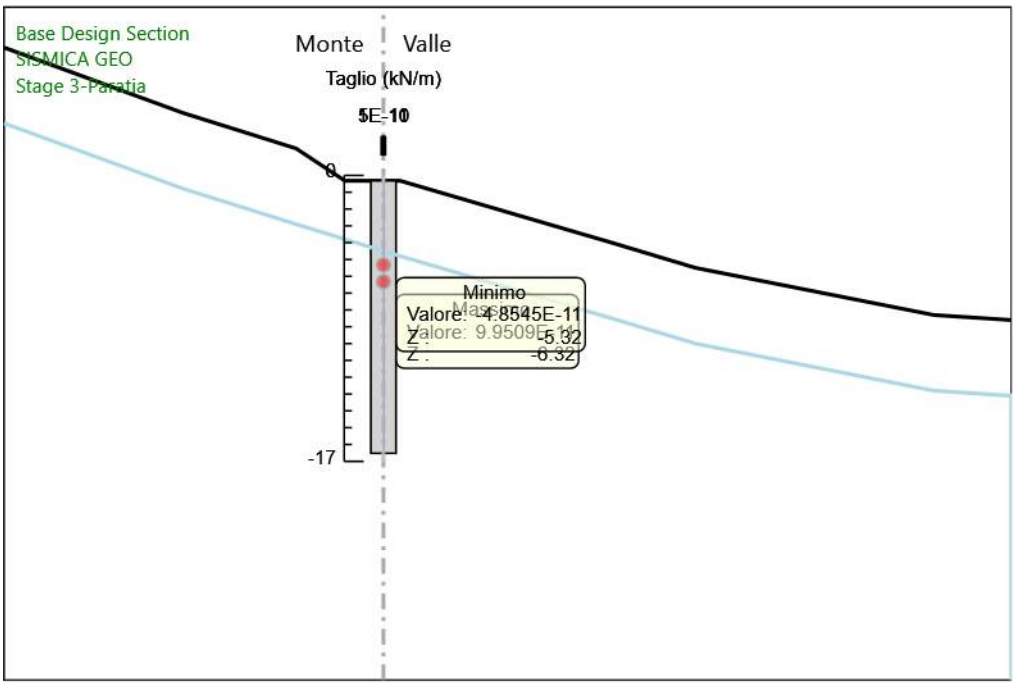
Design Assumption: SISMICA GEO
Stage: Stage 1
Taglio

6.5.23. Grafico Risultati Taglio SISMICA GEO - Stage: Stage 2-Prescavo



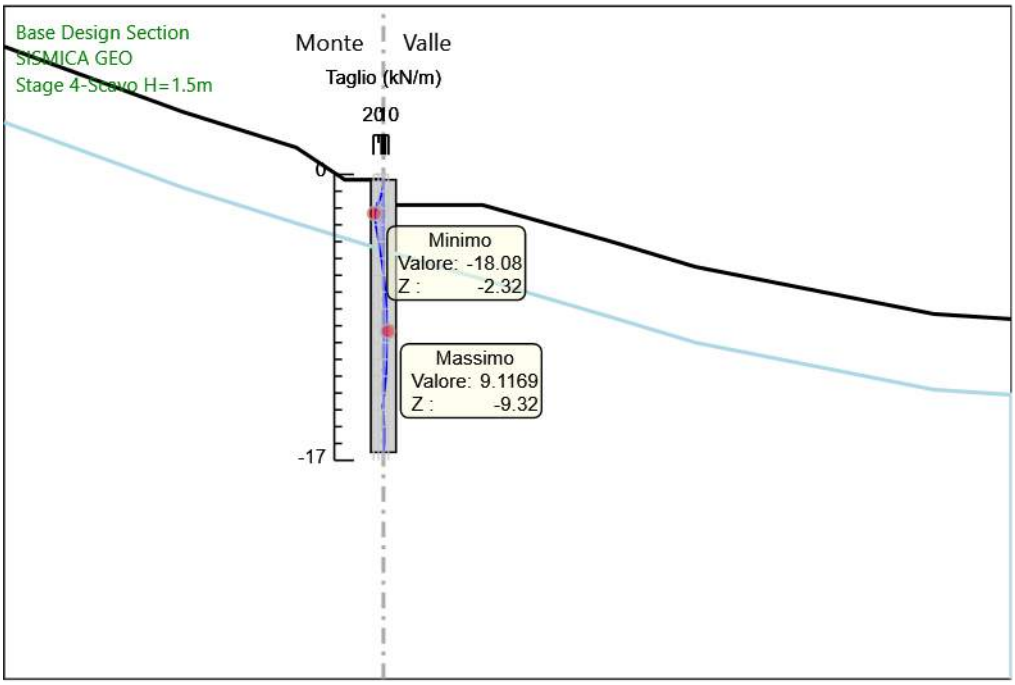
Design Assumption: SISMICA GEO
Stage: Stage 2-Prescavo
Taglio

6.5.24. Grafico Risultati Taglio SISMICA GEO - Stage: Stage 3-Paratia



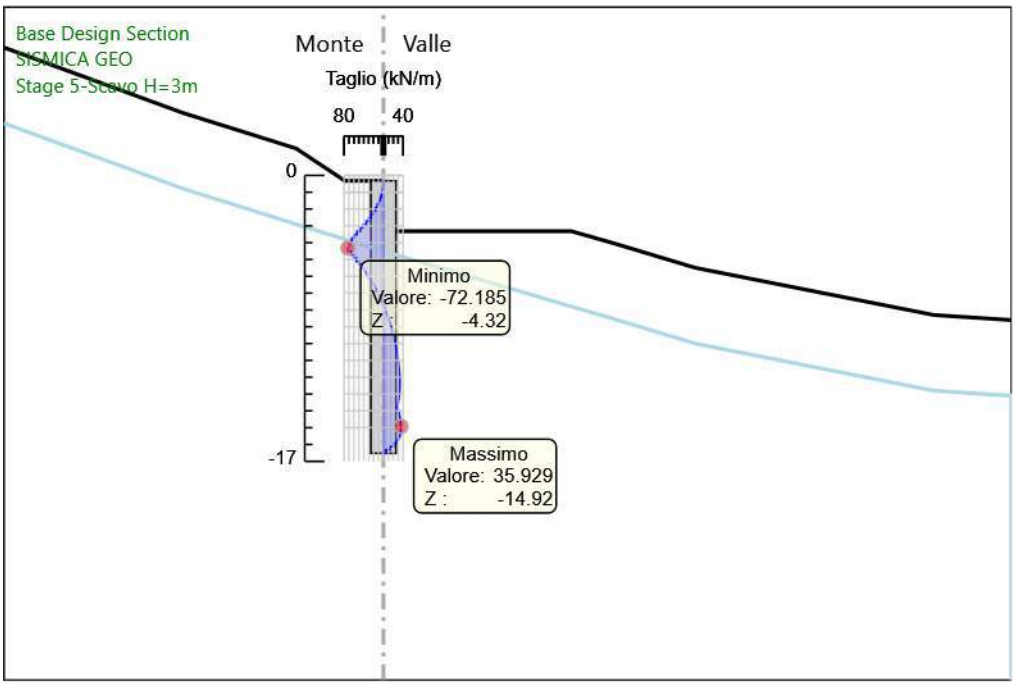
Design Assumption: SISMICA GEO
Stage: Stage 3-Paratia
Taglio

6.5.25. Grafico Risultati Taglio SISMICA GEO - Stage: Stage 4-Scavo H=1.5m



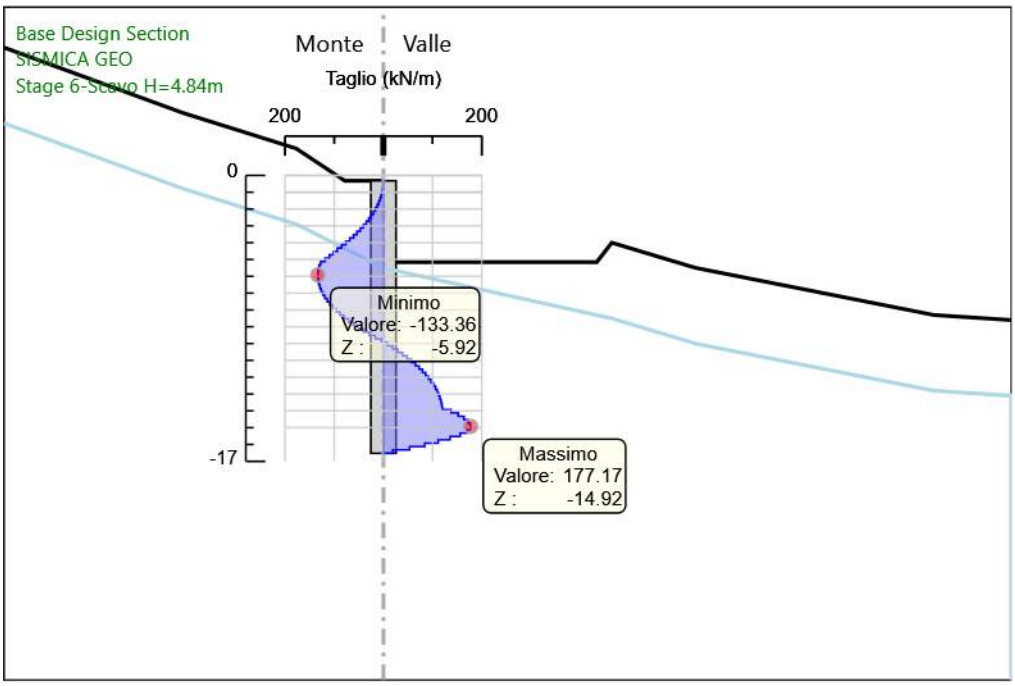
Design Assumption: SISMICA GEO
Stage: Stage 4-Scavo H=1.5m
Taglio

6.5.26. Grafico Risultati Taglio SISMICA GEO - Stage: Stage 5-Scavo H=3m



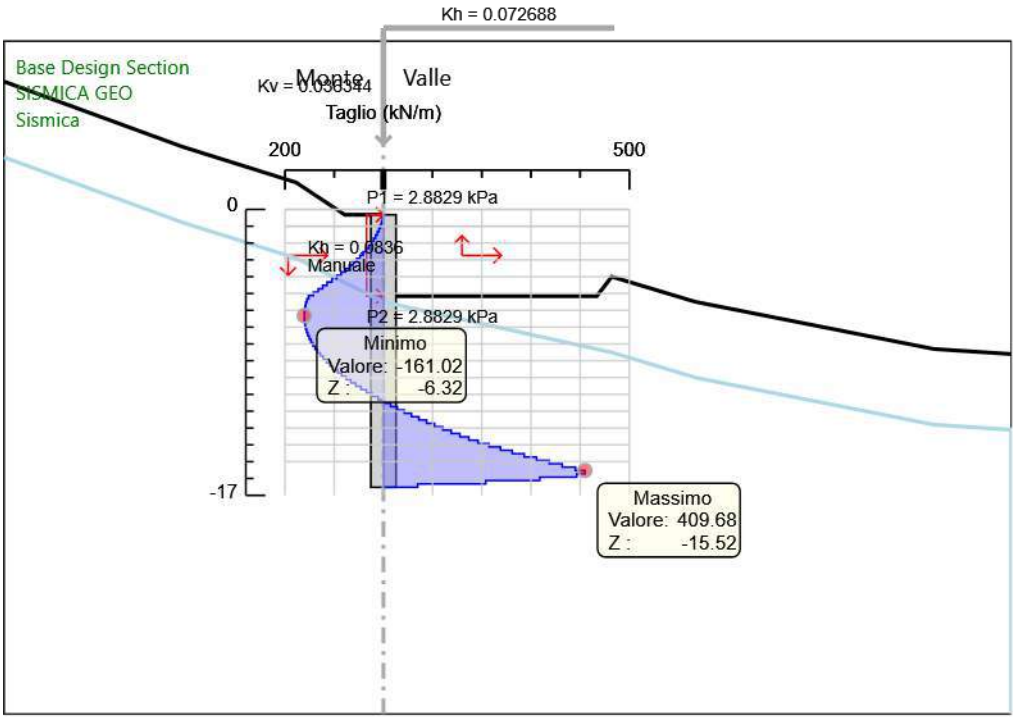
Design Assumption: SISMICA GEO
Stage: Stage 5-Scavo H=3m
Taglio

6.5.27. Grafico Risultati Taglio SISMICA GEO - Stage: Stage 6-Scavo H=4.84m



Design Assumption: SISMICA GEO
Stage: Stage 6-Scavo H=4.84m
Taglio

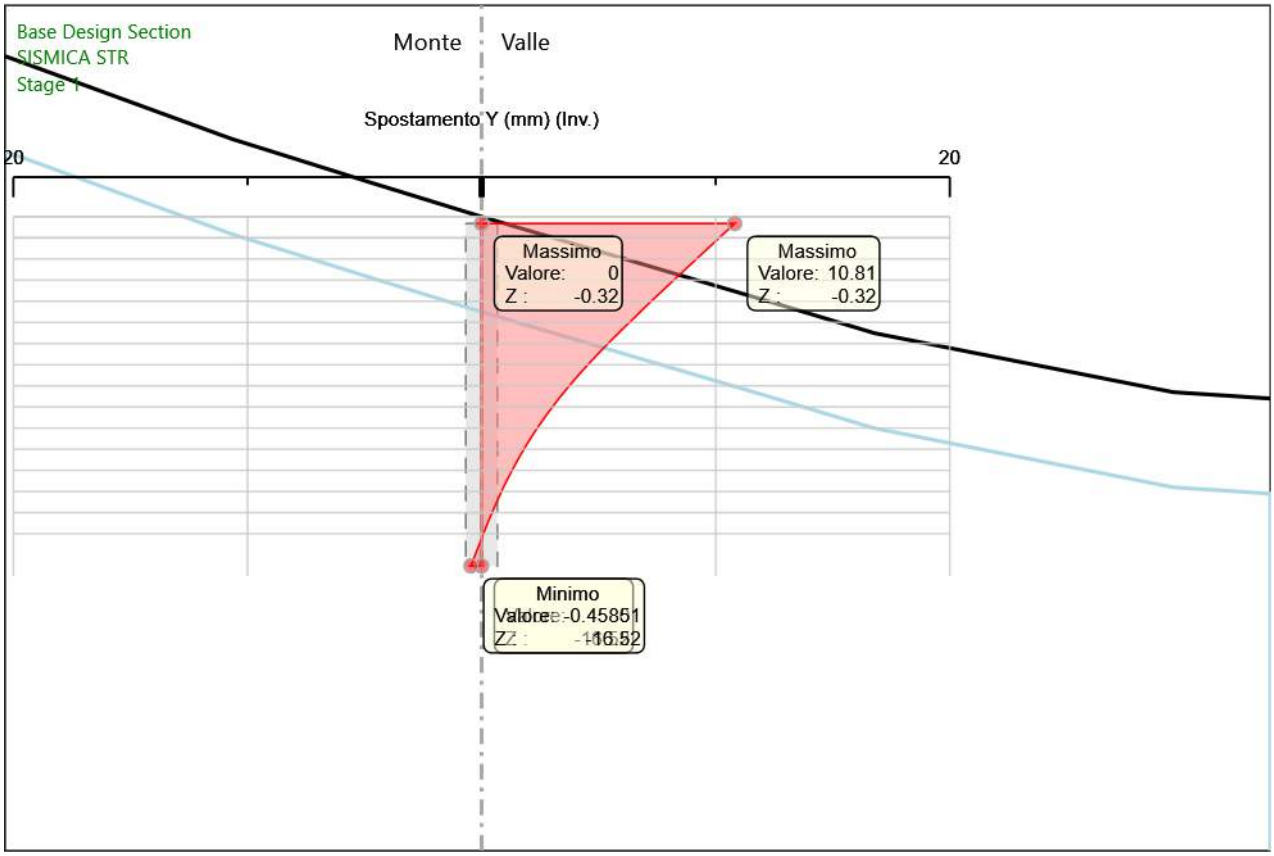
6.5.28. Grafico Risultati Taglio SISMICA GEO - Stage: Sismica



Design Assumption: SISMICA GEO
Stage: Sismica
Taglio

7. Descrizione sintetica dei risultati delle Design Assumption (Inviluppi)

7.1. Grafico Inviluppi Spostamento



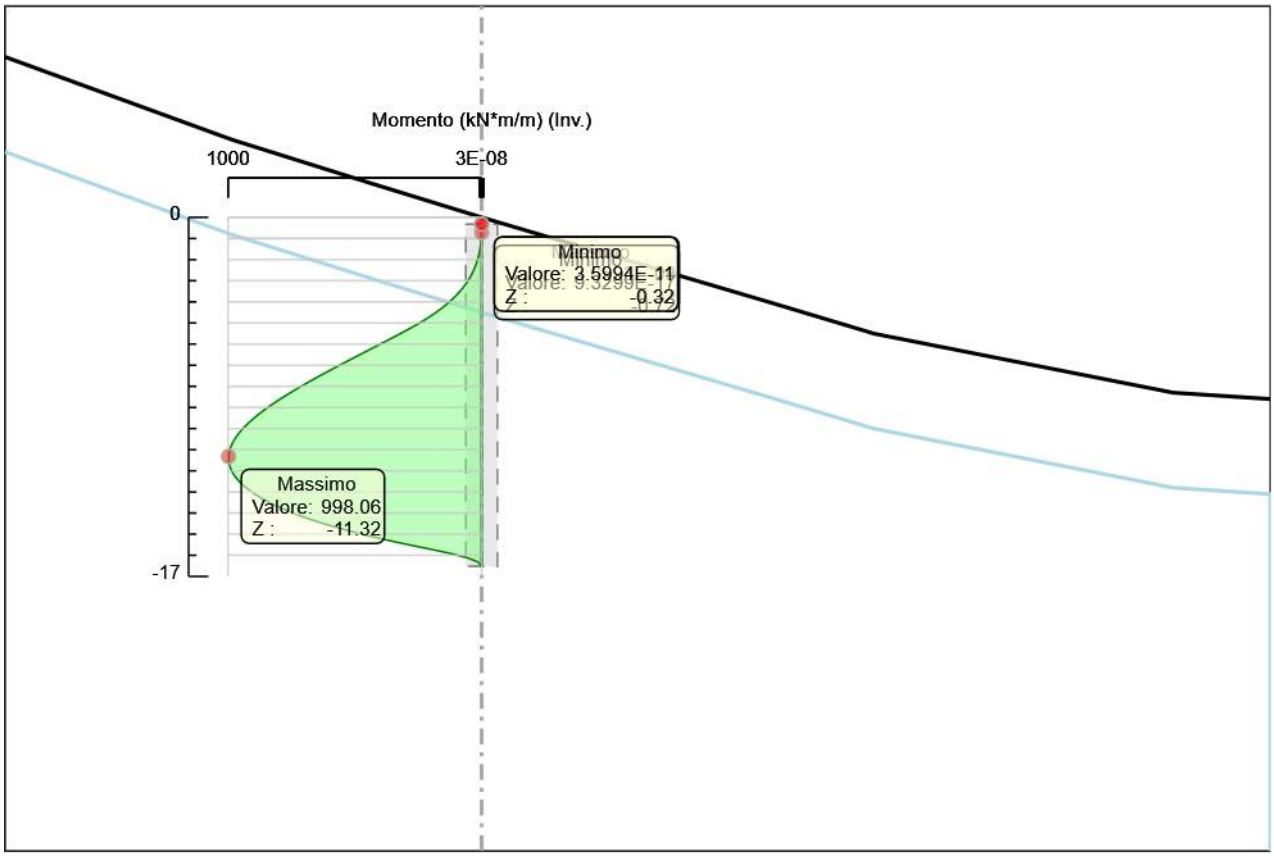
Spostamento

7.2. Tabella Inviluppi Momento WallElement

Selected Design Assumptions	Inviluppi: Momento	Muro: WallElement
Z (m)	Lato sinistro (kN*m/m)	Lato destro (kN*m/m)
-0.32	0	0
-0.52	0.102	0
-0.72	0.495	0
-0.92	1.271	0
-1.12	2.518	0
-1.32	4.326	0
-1.52	6.783	0
-1.72	9.98	0
-1.92	14.005	0
-2.12	18.948	0
-2.32	24.899	0
-2.52	31.947	0
-2.72	40.181	0
-2.92	49.69	0
-3.12	60.564	0
-3.32	72.893	0
-3.52	86.765	0
-3.72	102.27	0
-3.92	119.498	0
-4.12	138.538	0
-4.32	159.479	0
-4.52	182.41	0
-4.72	207.095	0
-4.92	233.631	0
-5.12	262.118	0
-5.32	292.572	0
-5.52	323.705	0
-5.72	355.292	0
-5.92	387.178	0
-6.12	419.266	0
-6.32	451.462	0
-6.52	483.666	0
-6.72	515.78	0
-6.92	547.705	0
-7.12	579.34	0
-7.32	610.586	0
-7.52	641.342	0
-7.72	671.507	0
-7.92	700.981	0
-8.12	729.662	0
-8.32	757.45	0
-8.52	784.242	0
-8.72	809.939	0
-8.92	834.438	0
-9.12	857.638	0
-9.32	879.437	0
-9.52	899.735	0
-9.72	918.429	0
-9.92	935.418	0
-10.12	950.601	0
-10.32	963.875	0
-10.52	975.139	0
-10.72	984.291	0
-10.92	991.23	0
-11.12	995.854	0
-11.32	998.061	0
-11.52	997.749	0
-11.72	994.817	0
-11.92	989.162	0
-12.12	980.683	0
-12.32	969.278	0
-12.52	954.846	0
-12.72	937.284	0
-12.92	916.49	0
-13.12	892.364	0
-13.32	864.802	0
-13.52	833.703	0

Selected Design Assumptions	Inviluppi: Momento	Muro: WallElement
Z (m)	Lato sinistro (kN*m/m)	Lato destro (kN*m/m)
-13.72	798.965	0
-13.92	760.486	0
-14.12	717.5	0
-14.32	669.878	0
-14.52	617.496	0
-14.72	560.226	0
-14.92	497.942	0
-15.12	430.517	0
-15.32	357.824	0
-15.52	279.737	0
-15.72	197.801	0
-15.92	119.167	0
-16.12	55.589	0
-16.32	13.959	0
-16.52	0	0

7.3. Grafico Inviluppi Momento



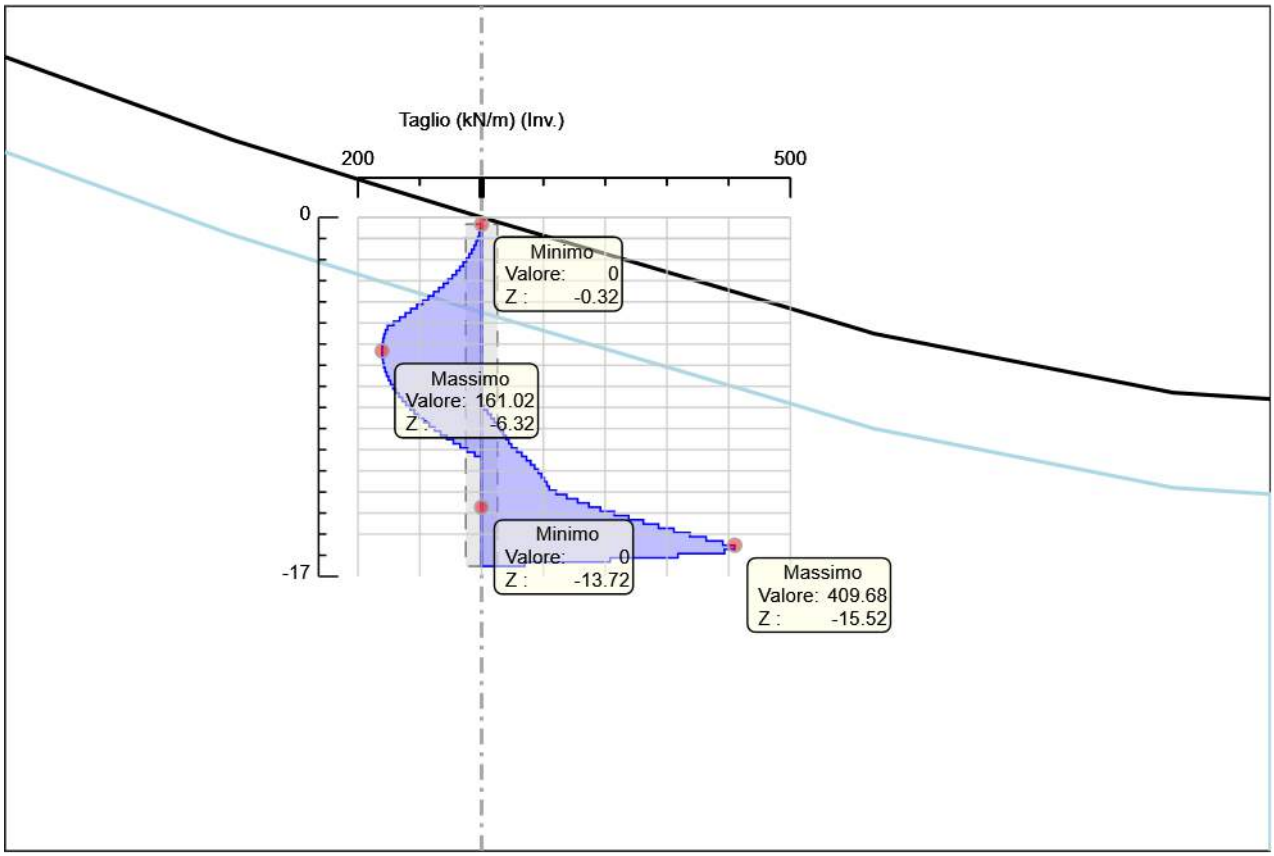
Momento

7.4. Tabella Inviluppi Taglio WallElement

Selected Design Assumptions	Inviluppi: Taglio	Muro: WallElement
Z (m)	Lato sinistro (kN/m)	Lato destro (kN/m)
-0.32	0.508	0
-0.52	1.97	0
-0.72	3.879	0
-0.92	6.235	0
-1.12	9.037	0
-1.32	12.287	0
-1.52	15.983	0
-1.72	20.127	0
-1.92	24.717	0
-2.12	29.754	0
-2.32	35.238	0
-2.52	41.169	0
-2.72	47.547	0
-2.92	54.371	0
-3.12	61.643	0
-3.32	69.361	0
-3.52	77.527	0
-3.72	86.139	0
-3.92	95.198	0
-4.12	104.704	0
-4.32	114.657	0
-4.52	123.424	0
-4.72	132.683	0
-4.92	142.434	0
-5.12	152.27	0
-5.32	155.666	0
-5.52	157.935	0
-5.72	159.426	0
-5.92	160.444	0
-6.12	160.978	0
-6.32	161.021	0
-6.52	161.021	0
-6.72	160.571	0
-6.92	159.624	0
-7.12	158.177	0
-7.32	156.23	0
-7.52	153.78	0
-7.72	150.826	0
-7.92	147.368	0
-8.12	143.406	0
-8.32	138.938	0
-8.52	133.963	0
-8.72	128.482	0
-8.92	122.495	4.182
-9.12	116	9.838
-9.32	108.998	15.29
-9.52	101.489	20.541
-9.72	93.471	25.599
-9.92	84.946	30.467
-10.12	75.912	35.152
-10.32	66.371	39.658
-10.52	56.321	44.128
-10.72	45.762	48.436
-10.92	34.695	57.05
-11.12	23.119	65.111
-11.32	11.034	72.594
-11.52	0	79.507
-11.72	0	85.858
-11.92	0	91.652
-12.12	0	96.897
-12.32	0	101.599
-12.52	0	105.764
-12.72	0	109.399
-12.92	0	120.634
-13.12	0	137.81
-13.32	0	155.495
-13.52	0	173.69

Selected Design Assumptions	Inviluppi: Taglio	Muro: WallElement
Z (m)	Lato sinistro (kN/m)	Lato destro (kN/m)
-13.72	0	192.393
-13.92	0	214.933
-14.12	0	238.105
-14.32	0	261.911
-14.52	0	286.349
-14.72	0	311.421
-14.92	0	337.126
-15.12	0	363.465
-15.32	0	390.436
-15.52	0	409.678
-15.72	0	409.678
-15.92	0	393.173
-16.12	0	317.891
-16.32	0	208.145
-16.52	0	69.794

7.5. Grafico Inviluppi Taglio



Taglio

7.6. Inviluppo Spinta Reale Efficace / Spinta Passiva

Design Assumption	Stage	Muro	Lato	Inviluppo Spinta Reale Efficace / Spinta Passiva %
SISMICA GEO	Sismica	Left Wall	LEFT	20.87
SISMICA GEO	Sismica	Left Wall	RIGHT	87.9

7.7. Inviluppo Spinta Reale Efficace / Spinta Attiva

Design Assumption	Stage	Muro	Lato	Inviluppo Spinta Reale Efficace / Spinta Attiva %
A2+M2+R1	Stage 1	Left Wall	LEFT	92.4
A2+M2+R1	Stage 2-Prescavo	Left Wall	RIGHT	177.45

8. Allegati

8.1. Design Assumption : Nominal - File di Paratie - File di input (.d)

```
* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: Nominal
 * Time:venerdì 28 gennaio 2022 10:29:42
 * 1: Defining general settings
 UNIT  m kN
 TITLE New Project
 DELTA 0.2
 option param itemax 40
 option control contact lagrange

 option control hinges 0 0.0001 0.001

 * 2: Defining wall(s)
 WALL LeftWall_36 0 -16.52 -0.32 1

 * 3: Defining surfaces for wall(s)
 SOIL 0_L LeftWall_36 -16.52 -0.32 1 0
 SOIL 0_R LeftWall_36 -16.52 -0.32 2 180

 * 4: Defining soil layers
 *
 * Soil Profile (a_20886_12_L_0)
 *
 LDATA a_20886_12_L_0 0 LeftWall_36
 ATREST 0.5 0.5 1
 WEIGHT 19 9 10
 PERMEABILITY 1E-05
 RESISTANCE 0 18 0 0 0
 TZDATA  LINEAR 10000 0 25 0.5 0
 KSCALE  0 0
 YOUNG 30000 90000
 ENDL
 *
 * Soil Profile (Ecla_20887_22088_L_0)
 *
 LDATA Ecla_20887_22088_L_0 -4.5 LeftWall_36
 ATREST 0.5 0.5 1
 WEIGHT 19 9 10
 PERMEABILITY 1E-05
 RESISTANCE 10 25 0 0 0
 TZDATA  LINEAR 10000 0 25 0.5 0
 KSCALE  0 0
 YOUNG 30000 90000
 ENDL
 *
 * Soil Profile (Salt_167_22090_L_0)
 *
 LDATA Salt_167_22090_L_0 -13.9 LeftWall_36
 ATREST 0.5 0.5 1
 WEIGHT 20 10 10
 PERMEABILITY 1E-05
 RESISTANCE 10 26 0 0 0
 TZDATA  LINEAR 10000 0 25 0.5 0
 KSCALE  0 0
 YOUNG 2E+05 6E+05
 ENDL

 * 5: Defining structural materials
 * Steel material: 114 Name=Fe360 E=206000200 kPa
 MATERIAL Fe360_114 2.06E+08
 * Concrete material: 112 Name=C32/40 E=33345800 kPa
 MATERIAL C3240_112 3.3346E+07

 * 6: Defining structural elements
 * 6.1: Beams and combined Wall Elements
 ** rev 2021 and later
 BEAM WallElement_23099 LeftWall_36 -16.52 -0.32 C3240_112 1.206 1.0395 0.14618 25.987 00 00 0


 * 6.2: Supports




 * 6.3: Strips

 * 7: Defining Steps
 STEP Stage1_2689
 CHANGE a_20886_12_L_0 U-FRICT=18 LeftWall_36
 CHANGE a_20886_12_L_0 D-FRICT=18 LeftWall_36
 CHANGE a_20886_12_L_0 U-KA=0.766 LeftWall_36
```

```
CHANGE a_20886_12_L_0 U-KP=2.853 LeftWall_36
CHANGE a_20886_12_L_0 D-KA=0.391 LeftWall_36
CHANGE a_20886_12_L_0 D-KP=1.118 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-FRICT=25 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-FRICT=25 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-KA=0.488 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-KP=4.417 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KA=0.3 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KP=1.722 LeftWall_36
CHANGE Salt_167_22090_L_0 U-FRICT=26 LeftWall_36
CHANGE Salt_167_22090_L_0 D-FRICT=26 LeftWall_36
CHANGE Salt_167_22090_L_0 U-KA=0.463 LeftWall_36
CHANGE Salt_167_22090_L_0 U-KP=4.643 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KA=0.288 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KP=1.816 LeftWall_36
CHANGE a_20886_12_L_0 U-COHE=0 LeftWall_36
CHANGE a_20886_12_L_0 U-ADHES=0 LeftWall_36
CHANGE a_20886_12_L_0 D-COHE=0 LeftWall_36
CHANGE a_20886_12_L_0 D-ADHES=0 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-COHE=10 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-ADHES=0 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-COHE=10 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-ADHES=0 LeftWall_36
CHANGE Salt_167_22090_L_0 U-COHE=10 LeftWall_36
CHANGE Salt_167_22090_L_0 U-ADHES=0 LeftWall_36
CHANGE Salt_167_22090_L_0 D-COHE=10 LeftWall_36
CHANGE Salt_167_22090_L_0 D-ADHES=0 LeftWall_36
SETWALL LeftWall_36
GEOM 0 0
SURCHARGE 0 0 0 0
WATER -4.3401 0.31279 -16.52 0 0
ENDSTEP

STEP Stage2-Prescavo_22100
CHANGE a_20886_12_L_0 U-KA=0.509 LeftWall_36
CHANGE a_20886_12_L_0 U-KP=2.855 LeftWall_36
CHANGE a_20886_12_L_0 D-KA=0.436 LeftWall_36
CHANGE a_20886_12_L_0 D-KP=1.626 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-KA=0.493 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-KP=4.453 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KA=0.312 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KP=1.917 LeftWall_36
CHANGE Salt_167_22090_L_0 U-KA=0.471 LeftWall_36
CHANGE Salt_167_22090_L_0 U-KP=4.683 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KA=0.298 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KP=1.986 LeftWall_36
SETWALL LeftWall_36
GEOM -0.32 -0.32
SURCHARGE 0 0 0 0
WATER -4.3401 0.31279 -16.52 0 0
ENDSTEP

STEP Stage3-Paratia_22846
SETWALL LeftWall_36
GEOM -0.32 -0.32
SURCHARGE 0 0 0 0
WATER -4.3401 0.31279 -16.52 0 0
ADD WallElement_23099
ENDSTEP

STEP Stage4-ScavoH=1.5m_23100
CHANGE a_20886_12_L_0 D-KA=0.477 LeftWall_36
CHANGE a_20886_12_L_0 D-KP=2.242 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KA=0.355 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KP=2.66 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KA=0.337 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KP=2.668 LeftWall_36
SETWALL LeftWall_36
GEOM -0.32 -1.82
SURCHARGE 0 0 0 0
WATER -4.3401 0.31279 -16.52 0 0
ENDSTEP

STEP Stage5-ScavoH=3m_23353
CHANGE Ecla_20887_22088_L_0 D-KA=0.359 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KP=3.112 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KA=0.344 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KP=3.146 LeftWall_36
SETWALL LeftWall_36
GEOM -0.32 -3.32
SURCHARGE 0 0 0 0
WATER -4.3401 0.31279 -16.52 0 0
ENDSTEP

STEP Stage6-ScavoH=4.84m_23606
CHANGE Ecla_20887_22088_L_0 D-KP=3.291 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KP=3.491 LeftWall_36
SETWALL LeftWall_36
GEOM -0.32 -5.16
SURCHARGE 0 0 0 0
WATER -5.2401 0.37452 -16.52 0 0
ENDSTEP
```

```
STEP Sismica_23859
SETWALL LeftWall_36
GEOM -0.32 -5.16
SURCHARGE 0 0 0 0
WATER -5.2401 0.37452 -16.52 0 0
CHANGE a_20886_12_L_0 U-KAED=0.61779 LeftWall_36
CHANGE a_20886_12_L_0 U-KAEW=0.76156 LeftWall_36
CHANGE a_20886_12_L_0 U-KPED=2.9795 LeftWall_36
CHANGE a_20886_12_L_0 U-KPEW=2.9202 LeftWall_36
CHANGE a_20886_12_L_0 D-KAED=0.52988 LeftWall_36
CHANGE a_20886_12_L_0 D-KAEW=0.64008 LeftWall_36
CHANGE a_20886_12_L_0 D-KPED=1.9892 LeftWall_36
CHANGE a_20886_12_L_0 D-KPEW=1.7525 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-KAED=0.67196 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-KAEW=1.0355 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-KPED=4.5891 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-KPEW=4.4714 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KAED=0.4034 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KAEW=0.48868 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KPED=2.9647 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KPEW=2.7012 LeftWall_36
CHANGE Salt_167_22090_L_0 U-KAED=0.63654 LeftWall_36
CHANGE Salt_167_22090_L_0 U-KAEW=1.0158 LeftWall_36
CHANGE Salt_167_22090_L_0 U-KPED=4.81 LeftWall_36
CHANGE Salt_167_22090_L_0 U-KPEW=4.6871 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KAED=0.38807 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KAEW=0.46089 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KPED=3.1496 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KPEW=2.9091 LeftWall_36
EQK USER 0.0836 0.0418 -0.0418 0 0.5 0 0.5 0 0
* Defining seismic surcharge pressures on wall LeftWall_36
*          min elevation = -5,16
*          max elevation = -0,32
*          average gamma = 19
*                     kh = 0,0836
*                 deltaQ = 13,95345864
DLOAD step LeftWall_36 -5.16 2.8829 -0.32 2.8829
* Include pressure contribution from wall: LeftWall_36
* Include wall contribution
DLOAD step LeftWall_36 -5.16 2.1725 -0.32 2.1725
ENDSTEP
```

8.2. Design Assumption : Nominal - File di Paratie - File di output (.out)

```
+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                  Exe Time :28 January 2022   10:29:43                                                 |
+-----------------------------------------------------------------------------------------------------------------------+

                    ********************************************************
                    *                                                      *
                    *  PARATIE PLUS Non-Linear Spring Engine               *
                    *                                                      *
                    *          AN ELASTOPLASTIC FINITE ELEMENT PROGRAM     *
                    *          FOR FLEXIBLE EARTH-RETAINING STRUCTURES     *
                    *                                                      *
                    *          Written by CEAS s.r.l. (ITALY)              *
                    *          with the scientific supervision of          *
                    *          Roberto Nova - full professor SOIL MECHANICS*
                    *          at Politecnico di Milano (ITALY)            *
                    *                                                      *
                    ********************************************************
                    *                                                      *
                    *  RELEASE   2022.0.0   *Build date:Sep 13, 2021*      *
                    *                                                      *
                    *                                                      *
                    *  CEAS S.R.L  VIALE   GIUSTINIANO 10                  *
                    *              20129   M I L A N O  (ITALIA)           *
                    *  TEL.        +39 02 2020221                          *
                    *                                                      *
                    *  email       bruno.becci@ceas.it                     *
                    *  Web Page    www.ceas.it     www.paratieplus.com     *
                    ********************************************************



 JOB : ParatiePlus
 STARTING
ACCEPTED   &lt;FILE,GENW                                                                    &gt;
ACCEPTED   &lt;FILE,PLOTTER,BINARY                                                          &gt;
ACCEPTED   &lt;SOLVE TOTAL_STRESS                                                           &gt;
ACCEPTED   &lt;PARAM ITEMAX 40                                                              &gt;
ACCEPTED   &lt;CONTROL CONTACT LAGRANGE                                                     &gt;
ACCEPTED   &lt;CONTROL HINGES 0 0.0001 0.001                                                &gt;



                    ********************************************************
                    *                                                      *
                    *  WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED  *
                    *    BY THE PROGRAM.                                   *
                    ********************************************************

PRELIMINARY OPERATIONS CPU TIME     0.00 [sec]
```

```
+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:43                                                 |
+-----------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................   82
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)...................... 164
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    3
NO. OF SOLUTION STEPS (NSTE)...................    7
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN ..................... 163
NO. OF LONG NAMES (LASTNAME) ..................   23
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
MAX INELASTIC DISPL. TABLE LENGTH..............    0
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


IDOFA (01) =  2  Y-DISPL.F
IDOFA (02) =  4   X-ROT. F

 RELEVANT ITEMS UNITS

 STRESSES                  kPa
 Y-DISPLACEMENTS           m
 ROTATIONS                 RADIANS
 BEAM AND SLAB MOMENTS     kN*m/m
 BEAM SHEAR FORCES         kN/m
 ANCHOR FORCES             kN/m
 AXIAL FORCES IN TRUSSES   kN/m
 AXIAL FORCES SPRINGS      kN/m
 Y-REACTIONS               kN/m
 X-MOMENT REACTIONS        kN*m/m
 ETC.
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*              |
|                                                                                                                         |
|                                                ParatiePlus                                                              |
|                                Exe Time :28 January 2022   10:29:43                                                     |
+-------------------------------------------------------------------------------------------------------------------------+
                  P R E P R O C E S S O R     D A T A

                  N O.  O F   C O M M A N D S    163

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
    4 : option param itemax 40
    5 : option control contact lagrange
    6 : option control hinges 0 0.0001 0.001
    7 : WALL LeftWall_36 0 -16.52 -0.32 1
    8 : SOIL 0_L LeftWall_36 -16.52 -0.32 1 0
    9 : SOIL 0_R LeftWall_36 -16.52 -0.32 2 180
   10 : LDATA a_20886_12_L_0 0 LeftWall_36
   11 : ATREST 0.5 0.5 1
   12 : WEIGHT 19 9 10
   13 : PERMEABILITY 1E-05
   14 : RESISTANCE 0 18 0 0 0
   15 : TZDATA  LINEAR 10000 0 25 0.5 0
   16 : KSCALE  0 0
   17 : YOUNG 30000 90000
   18 : ENDL
   19 : LDATA Ecla_20887_22088_L_0 -4.5 LeftWall_36
   20 : ATREST 0.5 0.5 1
   21 : WEIGHT 19 9 10
   22 : PERMEABILITY 1E-05
   23 : RESISTANCE 10 25 0 0 0
   24 : TZDATA  LINEAR 10000 0 25 0.5 0
   25 : KSCALE  0 0
   26 : YOUNG 30000 90000
   27 : ENDL
   28 : LDATA Salt_167_22090_L_0 -13.9 LeftWall_36
   29 : ATREST 0.5 0.5 1
   30 : WEIGHT 20 10 10
   31 : PERMEABILITY 1E-05
   32 : RESISTANCE 10 26 0 0 0
   33 : TZDATA  LINEAR 10000 0 25 0.5 0
   34 : KSCALE  0 0
   35 : YOUNG 2E+05 6E+05
   36 : ENDL
   37 : MATERIAL Fe360_114 2.06E+08
   38 : MATERIAL C3240_112 3.3346E+07
   39 : BEAM WallElement_23099 LeftWall_36 -16.52 -0.32 C3240_112 1.206 1.0395 0.14618 25.987 00 00 0
   40 : STEP Stage1_2689
   41 : CHANGE a_20886_12_L_0 U-FRICT=18 LeftWall_36
   42 : CHANGE a_20886_12_L_0 D-FRICT=18 LeftWall_36
   43 : CHANGE a_20886_12_L_0 U-KA=0.766 LeftWall_36
   44 : CHANGE a_20886_12_L_0 U-KP=2.853 LeftWall_36
   45 : CHANGE a_20886_12_L_0 D-KA=0.391 LeftWall_36
   46 : CHANGE a_20886_12_L_0 D-KP=1.118 LeftWall_36
   47 : CHANGE Ecla_20887_22088_L_0 U-FRICT=25 LeftWall_36
   48 : CHANGE Ecla_20887_22088_L_0 D-FRICT=25 LeftWall_36
   49 : CHANGE Ecla_20887_22088_L_0 U-KA=0.488 LeftWall_36
   50 : CHANGE Ecla_20887_22088_L_0 U-KP=4.417 LeftWall_36
   51 : CHANGE Ecla_20887_22088_L_0 D-KA=0.3 LeftWall_36
   52 : CHANGE Ecla_20887_22088_L_0 D-KP=1.722 LeftWall_36
   53 : CHANGE Salt_167_22090_L_0 U-FRICT=26 LeftWall_36
   54 : CHANGE Salt_167_22090_L_0 D-FRICT=26 LeftWall_36
   55 : CHANGE Salt_167_22090_L_0 U-KA=0.463 LeftWall_36
   56 : CHANGE Salt_167_22090_L_0 U-KP=4.643 LeftWall_36
   57 : CHANGE Salt_167_22090_L_0 D-KA=0.288 LeftWall_36
   58 : CHANGE Salt_167_22090_L_0 D-KP=1.816 LeftWall_36
   59 : CHANGE a_20886_12_L_0 U-COHE=0 LeftWall_36
   60 : CHANGE a_20886_12_L_0 U-ADHES=0 LeftWall_36
   61 : CHANGE a_20886_12_L_0 D-COHE=0 LeftWall_36
   62 : CHANGE a_20886_12_L_0 D-ADHES=0 LeftWall_36
   63 : CHANGE Ecla_20887_22088_L_0 U-COHE=10 LeftWall_36
   64 : CHANGE Ecla_20887_22088_L_0 U-ADHES=0 LeftWall_36
   65 : CHANGE Ecla_20887_22088_L_0 D-COHE=10 LeftWall_36
   66 : CHANGE Ecla_20887_22088_L_0 D-ADHES=0 LeftWall_36
   67 : CHANGE Salt_167_22090_L_0 U-COHE=10 LeftWall_36
   68 : CHANGE Salt_167_22090_L_0 U-ADHES=0 LeftWall_36
   69 : CHANGE Salt_167_22090_L_0 D-COHE=10 LeftWall_36
   70 : CHANGE Salt_167_22090_L_0 D-ADHES=0 LeftWall_36
   71 : SETWALL LeftWall_36
   72 : GEOM 0 0
   73 : SURCHARGE 0 0 0 0
   74 : WATER -4.3401 0.31279 -16.52 0 0
   75 : ENDSTEP
   76 : STEP Stage2-Prescavo_22100
   77 : CHANGE a_20886_12_L_0 U-KA=0.509 LeftWall_36
   78 : CHANGE a_20886_12_L_0 U-KP=2.855 LeftWall_36
   79 : CHANGE a_20886_12_L_0 D-KA=0.436 LeftWall_36
```

```
 80 : CHANGE a_20886_12_L_0 D-KP=1.626 LeftWall_36
 81 : CHANGE Ecla_20887_22088_L_0 U-KA=0.493 LeftWall_36
 82 : CHANGE Ecla_20887_22088_L_0 U-KP=4.453 LeftWall_36
 83 : CHANGE Ecla_20887_22088_L_0 D-KA=0.312 LeftWall_36
 84 : CHANGE Ecla_20887_22088_L_0 D-KP=1.917 LeftWall_36
 85 : CHANGE Salt_167_22090_L_0 U-KA=0.471 LeftWall_36
 86 : CHANGE Salt_167_22090_L_0 U-KP=4.683 LeftWall_36
 87 : CHANGE Salt_167_22090_L_0 D-KA=0.298 LeftWall_36
 88 : CHANGE Salt_167_22090_L_0 D-KP=1.986 LeftWall_36
 89 : SETWALL LeftWall_36
 90 : GEOM -0.32 -0.32
 91 : SURCHARGE 0 0 0 0
 92 : WATER -4.3401 0.31279 -16.52 0 0
 93 : ENDSTEP
 94 : STEP Stage3-Paratia_22846
 95 : SETWALL LeftWall_36
 96 : GEOM -0.32 -0.32
 97 : SURCHARGE 0 0 0 0
 98 : WATER -4.3401 0.31279 -16.52 0 0
 99 : ADD WallElement_23099
100 : ENDSTEP
101 : STEP Stage4-ScavoH=1.5m_23100
102 : CHANGE a_20886_12_L_0 D-KA=0.477 LeftWall_36
103 : CHANGE a_20886_12_L_0 D-KP=2.242 LeftWall_36
104 : CHANGE Ecla_20887_22088_L_0 D-KA=0.355 LeftWall_36
105 : CHANGE Ecla_20887_22088_L_0 D-KP=2.66 LeftWall_36
106 : CHANGE Salt_167_22090_L_0 D-KA=0.337 LeftWall_36
107 : CHANGE Salt_167_22090_L_0 D-KP=2.668 LeftWall_36
108 : SETWALL LeftWall_36
109 : GEOM -0.32 -1.82
110 : SURCHARGE 0 0 0 0
111 : WATER -4.3401 0.31279 -16.52 0 0
112 : ENDSTEP
113 : STEP Stage5-ScavoH=3m_23353
114 : CHANGE Ecla_20887_22088_L_0 D-KA=0.359 LeftWall_36
115 : CHANGE Ecla_20887_22088_L_0 D-KP=3.112 LeftWall_36
116 : CHANGE Salt_167_22090_L_0 D-KA=0.344 LeftWall_36
117 : CHANGE Salt_167_22090_L_0 D-KP=3.146 LeftWall_36
118 : SETWALL LeftWall_36
119 : GEOM -0.32 -3.32
120 : SURCHARGE 0 0 0 0
121 : WATER -4.3401 0.31279 -16.52 0 0
122 : ENDSTEP
123 : STEP Stage6-ScavoH=4.84m_23606
124 : CHANGE Ecla_20887_22088_L_0 D-KP=3.291 LeftWall_36
125 : CHANGE Salt_167_22090_L_0 D-KP=3.491 LeftWall_36
126 : SETWALL LeftWall_36
127 : GEOM -0.32 -5.16
128 : SURCHARGE 0 0 0 0
129 : WATER -5.2401 0.37452 -16.52 0 0
130 : ENDSTEP
131 : STEP Sismica_23859
132 : SETWALL LeftWall_36
133 : GEOM -0.32 -5.16
134 : SURCHARGE 0 0 0 0
135 : WATER -5.2401 0.37452 -16.52 0 0
136 : CHANGE a_20886_12_L_0 U-KAED=0.61779 LeftWall_36
137 : CHANGE a_20886_12_L_0 U-KAEW=0.76156 LeftWall_36
138 : CHANGE a_20886_12_L_0 U-KPED=2.9795 LeftWall_36
139 : CHANGE a_20886_12_L_0 U-KPEW=2.9202 LeftWall_36
140 : CHANGE a_20886_12_L_0 D-KAED=0.52988 LeftWall_36
141 : CHANGE a_20886_12_L_0 D-KAEW=0.64008 LeftWall_36
142 : CHANGE a_20886_12_L_0 D-KPED=1.9892 LeftWall_36
143 : CHANGE a_20886_12_L_0 D-KPEW=1.7525 LeftWall_36
144 : CHANGE Ecla_20887_22088_L_0 U-KAED=0.67196 LeftWall_36
145 : CHANGE Ecla_20887_22088_L_0 U-KAEW=1.0355 LeftWall_36
146 : CHANGE Ecla_20887_22088_L_0 U-KPED=4.5891 LeftWall_36
147 : CHANGE Ecla_20887_22088_L_0 U-KPEW=4.4714 LeftWall_36
148 : CHANGE Ecla_20887_22088_L_0 D-KAED=0.4034 LeftWall_36
149 : CHANGE Ecla_20887_22088_L_0 D-KAEW=0.48868 LeftWall_36
150 : CHANGE Ecla_20887_22088_L_0 D-KPED=2.9647 LeftWall_36
151 : CHANGE Ecla_20887_22088_L_0 D-KPEW=2.7012 LeftWall_36
152 : CHANGE Salt_167_22090_L_0 U-KAED=0.63654 LeftWall_36
153 : CHANGE Salt_167_22090_L_0 U-KAEW=1.0158 LeftWall_36
154 : CHANGE Salt_167_22090_L_0 U-KPED=4.81 LeftWall_36
155 : CHANGE Salt_167_22090_L_0 U-KPEW=4.6871 LeftWall_36
156 : CHANGE Salt_167_22090_L_0 D-KAED=0.38807 LeftWall_36
157 : CHANGE Salt_167_22090_L_0 D-KAEW=0.46089 LeftWall_36
158 : CHANGE Salt_167_22090_L_0 D-KPED=3.1496 LeftWall_36
159 : CHANGE Salt_167_22090_L_0 D-KPEW=2.9091 LeftWall_36
160 : EQK USER 0.0836 0.0418 -0.0418 0 0.5 0 0.5 0 0
161 : DLOAD step LeftWall_36 -5.16 2.8829 -0.32 2.8829
162 : DLOAD step LeftWall_36 -5.16 2.1725 -0.32 2.1725
163 : ENDSTEP
```

N O D A L P O I N T D A T A

NODE	Y-COORD	Z-COORD	NODE	Y-COORD	Z-COORD	NODE	Y-COORD	Z-COORD	NODE	Y-COORD	Z-COORD
1	0.0000	-0.32000	2	0.0000	-0.52000	3	0.0000	-0.72000	4	0.0000	-0.92000
5	0.0000	-1.1200	6	0.0000	-1.3200	7	0.0000	-1.5200	8	0.0000	-1.7200
9	0.0000	-1.9200	10	0.0000	-2.1200	11	0.0000	-2.3200	12	0.0000	-2.5200
13	0.0000	-2.7200	14	0.0000	-2.9200	15	0.0000	-3.1200	16	0.0000	-3.3200
17	0.0000	-3.5200	18	0.0000	-3.7200	19	0.0000	-3.9200	20	0.0000	-4.1200
21	0.0000	-4.3200	22	0.0000	-4.5200	23	0.0000	-4.7200	24	0.0000	-4.9200
25	0.0000	-5.1200	26	0.0000	-5.3200	27	0.0000	-5.5200	28	0.0000	-5.7200
29	0.0000	-5.9200	30	0.0000	-6.1200	31	0.0000	-6.3200	32	0.0000	-6.5200
33	0.0000	-6.7200	34	0.0000	-6.9200	35	0.0000	-7.1200	36	0.0000	-7.3200
37	0.0000	-7.5200	38	0.0000	-7.7200	39	0.0000	-7.9200	40	0.0000	-8.1200
41	0.0000	-8.3200	42	0.0000	-8.5200	43	0.0000	-8.7200	44	0.0000	-8.9200
45	0.0000	-9.1200	46	0.0000	-9.3200	47	0.0000	-9.5200	48	0.0000	-9.7200
49	0.0000	-9.9200	50	0.0000	-10.120	51	0.0000	-10.320	52	0.0000	-10.520
53	0.0000	-10.720	54	0.0000	-10.920	55	0.0000	-11.120	56	0.0000	-11.320
57	0.0000	-11.520	58	0.0000	-11.720	59	0.0000	-11.920	60	0.0000	-12.120
61	0.0000	-12.320	62	0.0000	-12.520	63	0.0000	-12.720	64	0.0000	-12.920
65	0.0000	-13.120	66	0.0000	-13.320	67	0.0000	-13.520	68	0.0000	-13.720
69	0.0000	-13.920	70	0.0000	-14.120	71	0.0000	-14.320	72	0.0000	-14.520
73	0.0000	-14.720	74	0.0000	-14.920	75	0.0000	-15.120	76	0.0000	-15.320
77	0.0000	-15.520	78	0.0000	-15.720	79	0.0000	-15.920	80	0.0000	-16.120
81	0.0000	-16.320	82	0.0000	-16.520						

```
+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:43                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                                                        :
   5  82   0   1   0   0   0   0   0   0   0   0   0   0   3   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active
    7   active

 material set no.    1

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  2.00000


 material set no.    3

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  3.00000


 element data

   el    n  mat      area     .....     .....     .....      flag
-------------------------------------------------------------------

    1    1    1    0.1000       0.000       0.000       0.000       1.000
    2    2    1    0.2000       0.000       0.000       0.000       1.000
    3    3    1    0.2000       0.000       0.000       0.000       1.000
    4    4    1    0.2000       0.000       0.000       0.000       1.000
    5    5    1    0.2000       0.000       0.000       0.000       1.000
    6    6    1    0.2000       0.000       0.000       0.000       1.000
    7    7    1    0.2000       0.000       0.000       0.000       1.000
    8    8    1    0.2000       0.000       0.000       0.000       1.000
    9    9    1    0.2000       0.000       0.000       0.000       1.000
   10   10    1    0.2000       0.000       0.000       0.000       1.000
   11   11    1    0.2000       0.000       0.000       0.000       1.000
   12   12    1    0.2000       0.000       0.000       0.000       1.000
   13   13    1    0.2000       0.000       0.000       0.000       1.000
   14   14    1    0.2000       0.000       0.000       0.000       1.000
   15   15    1    0.2000       0.000       0.000       0.000       1.000
   16   16    1    0.2000       0.000       0.000       0.000       1.000
   17   17    1    0.2000       0.000       0.000       0.000       1.000
   18   18    1    0.2000       0.000       0.000       0.000       1.000
   19   19    1    0.2000       0.000       0.000       0.000       1.000
   20   20    1    0.2000       0.000       0.000       0.000       1.000
   21   21    1    0.2000       0.000       0.000       0.000       1.000
   22   22    2    0.2000       0.000       0.000       0.000       1.000
   23   23    2    0.2000       0.000       0.000       0.000       1.000
   24   24    2    0.2000       0.000       0.000       0.000       1.000
   25   25    2    0.2000       0.000       0.000       0.000       1.000
   26   26    2    0.2000       0.000       0.000       0.000       1.000
   27   27    2    0.2000       0.000       0.000       0.000       1.000
   28   28    2    0.2000       0.000       0.000       0.000       1.000
   29   29    2    0.2000       0.000       0.000       0.000       1.000
   30   30    2    0.2000       0.000       0.000       0.000       1.000
   31   31    2    0.2000       0.000       0.000       0.000       1.000
   32   32    2    0.2000       0.000       0.000       0.000       1.000
   33   33    2    0.2000       0.000       0.000       0.000       1.000
   34   34    2    0.2000       0.000       0.000       0.000       1.000
   35   35    2    0.2000       0.000       0.000       0.000       1.000
   36   36    2    0.2000       0.000       0.000       0.000       1.000
   37   37    2    0.2000       0.000       0.000       0.000       1.000
   38   38    2    0.2000       0.000       0.000       0.000       1.000
   39   39    2    0.2000       0.000       0.000       0.000       1.000
   40   40    2    0.2000       0.000       0.000       0.000       1.000
```

41	41	2	0.2000	0.000	0.000	0.000	1.000
42	42	2	0.2000	0.000	0.000	0.000	1.000
43	43	2	0.2000	0.000	0.000	0.000	1.000
44	44	2	0.2000	0.000	0.000	0.000	1.000
45	45	2	0.2000	0.000	0.000	0.000	1.000
46	46	2	0.2000	0.000	0.000	0.000	1.000
47	47	2	0.2000	0.000	0.000	0.000	1.000
48	48	2	0.2000	0.000	0.000	0.000	1.000
49	49	2	0.2000	0.000	0.000	0.000	1.000
50	50	2	0.2000	0.000	0.000	0.000	1.000
51	51	2	0.2000	0.000	0.000	0.000	1.000
52	52	2	0.2000	0.000	0.000	0.000	1.000
53	53	2	0.2000	0.000	0.000	0.000	1.000
54	54	2	0.2000	0.000	0.000	0.000	1.000
55	55	2	0.2000	0.000	0.000	0.000	1.000
56	56	2	0.2000	0.000	0.000	0.000	1.000
57	57	2	0.2000	0.000	0.000	0.000	1.000
58	58	2	0.2000	0.000	0.000	0.000	1.000
59	59	2	0.2000	0.000	0.000	0.000	1.000
60	60	2	0.2000	0.000	0.000	0.000	1.000
61	61	2	0.2000	0.000	0.000	0.000	1.000
62	62	2	0.2000	0.000	0.000	0.000	1.000
63	63	2	0.2000	0.000	0.000	0.000	1.000
64	64	2	0.2000	0.000	0.000	0.000	1.000
65	65	2	0.2000	0.000	0.000	0.000	1.000
66	66	2	0.2000	0.000	0.000	0.000	1.000
67	67	2	0.2000	0.000	0.000	0.000	1.000
68	68	2	0.2000	0.000	0.000	0.000	1.000
69	69	3	0.2000	0.000	0.000	0.000	1.000
70	70	3	0.2000	0.000	0.000	0.000	1.000
71	71	3	0.2000	0.000	0.000	0.000	1.000
72	72	3	0.2000	0.000	0.000	0.000	1.000
73	73	3	0.2000	0.000	0.000	0.000	1.000
74	74	3	0.2000	0.000	0.000	0.000	1.000
75	75	3	0.2000	0.000	0.000	0.000	1.000
76	76	3	0.2000	0.000	0.000	0.000	1.000
77	77	3	0.2000	0.000	0.000	0.000	1.000
78	78	3	0.2000	0.000	0.000	0.000	1.000
79	79	3	0.2000	0.000	0.000	0.000	1.000
80	80	3	0.2000	0.000	0.000	0.000	1.000
81	81	3	0.2000	0.000	0.000	0.000	1.000
82	82	3	0.1000	0.000	0.000	0.000	1.000

```
+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:43                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                                                        :
   5  82   0   1   0   0   0   0   0   0   0   0   0   0   3   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active
    7   active

 material set no.    1

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  2.00000


 material set no.    3

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  3.00000


 element data

   el    n  mat      area     .....     .....     .....      flag
-----------------------------------------------------------------

    1    1    1    0.1000       0.000       0.000       0.000       2.000
    2    2    1    0.2000       0.000       0.000       0.000       2.000
    3    3    1    0.2000       0.000       0.000       0.000       2.000
    4    4    1    0.2000       0.000       0.000       0.000       2.000
    5    5    1    0.2000       0.000       0.000       0.000       2.000
    6    6    1    0.2000       0.000       0.000       0.000       2.000
    7    7    1    0.2000       0.000       0.000       0.000       2.000
    8    8    1    0.2000       0.000       0.000       0.000       2.000
    9    9    1    0.2000       0.000       0.000       0.000       2.000
   10   10    1    0.2000       0.000       0.000       0.000       2.000
   11   11    1    0.2000       0.000       0.000       0.000       2.000
   12   12    1    0.2000       0.000       0.000       0.000       2.000
   13   13    1    0.2000       0.000       0.000       0.000       2.000
   14   14    1    0.2000       0.000       0.000       0.000       2.000
   15   15    1    0.2000       0.000       0.000       0.000       2.000
   16   16    1    0.2000       0.000       0.000       0.000       2.000
   17   17    1    0.2000       0.000       0.000       0.000       2.000
   18   18    1    0.2000       0.000       0.000       0.000       2.000
   19   19    1    0.2000       0.000       0.000       0.000       2.000
   20   20    1    0.2000       0.000       0.000       0.000       2.000
   21   21    1    0.2000       0.000       0.000       0.000       2.000
   22   22    2    0.2000       0.000       0.000       0.000       2.000
   23   23    2    0.2000       0.000       0.000       0.000       2.000
   24   24    2    0.2000       0.000       0.000       0.000       2.000
   25   25    2    0.2000       0.000       0.000       0.000       2.000
   26   26    2    0.2000       0.000       0.000       0.000       2.000
   27   27    2    0.2000       0.000       0.000       0.000       2.000
   28   28    2    0.2000       0.000       0.000       0.000       2.000
   29   29    2    0.2000       0.000       0.000       0.000       2.000
   30   30    2    0.2000       0.000       0.000       0.000       2.000
   31   31    2    0.2000       0.000       0.000       0.000       2.000
   32   32    2    0.2000       0.000       0.000       0.000       2.000
   33   33    2    0.2000       0.000       0.000       0.000       2.000
   34   34    2    0.2000       0.000       0.000       0.000       2.000
   35   35    2    0.2000       0.000       0.000       0.000       2.000
   36   36    2    0.2000       0.000       0.000       0.000       2.000
   37   37    2    0.2000       0.000       0.000       0.000       2.000
   38   38    2    0.2000       0.000       0.000       0.000       2.000
   39   39    2    0.2000       0.000       0.000       0.000       2.000
   40   40    2    0.2000       0.000       0.000       0.000       2.000
```

41	41	2	0.2000	0.000	0.000	0.000	2.000
42	42	2	0.2000	0.000	0.000	0.000	2.000
43	43	2	0.2000	0.000	0.000	0.000	2.000
44	44	2	0.2000	0.000	0.000	0.000	2.000
45	45	2	0.2000	0.000	0.000	0.000	2.000
46	46	2	0.2000	0.000	0.000	0.000	2.000
47	47	2	0.2000	0.000	0.000	0.000	2.000
48	48	2	0.2000	0.000	0.000	0.000	2.000
49	49	2	0.2000	0.000	0.000	0.000	2.000
50	50	2	0.2000	0.000	0.000	0.000	2.000
51	51	2	0.2000	0.000	0.000	0.000	2.000
52	52	2	0.2000	0.000	0.000	0.000	2.000
53	53	2	0.2000	0.000	0.000	0.000	2.000
54	54	2	0.2000	0.000	0.000	0.000	2.000
55	55	2	0.2000	0.000	0.000	0.000	2.000
56	56	2	0.2000	0.000	0.000	0.000	2.000
57	57	2	0.2000	0.000	0.000	0.000	2.000
58	58	2	0.2000	0.000	0.000	0.000	2.000
59	59	2	0.2000	0.000	0.000	0.000	2.000
60	60	2	0.2000	0.000	0.000	0.000	2.000
61	61	2	0.2000	0.000	0.000	0.000	2.000
62	62	2	0.2000	0.000	0.000	0.000	2.000
63	63	2	0.2000	0.000	0.000	0.000	2.000
64	64	2	0.2000	0.000	0.000	0.000	2.000
65	65	2	0.2000	0.000	0.000	0.000	2.000
66	66	2	0.2000	0.000	0.000	0.000	2.000
67	67	2	0.2000	0.000	0.000	0.000	2.000
68	68	2	0.2000	0.000	0.000	0.000	2.000
69	69	3	0.2000	0.000	0.000	0.000	2.000
70	70	3	0.2000	0.000	0.000	0.000	2.000
71	71	3	0.2000	0.000	0.000	0.000	2.000
72	72	3	0.2000	0.000	0.000	0.000	2.000
73	73	3	0.2000	0.000	0.000	0.000	2.000
74	74	3	0.2000	0.000	0.000	0.000	2.000
75	75	3	0.2000	0.000	0.000	0.000	2.000
76	76	3	0.2000	0.000	0.000	0.000	2.000
77	77	3	0.2000	0.000	0.000	0.000	2.000
78	78	3	0.2000	0.000	0.000	0.000	2.000
79	79	3	0.2000	0.000	0.000	0.000	2.000
80	80	3	0.2000	0.000	0.000	0.000	2.000
81	81	3	0.2000	0.000	0.000	0.000	2.000
82	82	3	0.1000	0.000	0.000	0.000	2.000

ELEMENT GROUP NO. 3

WallElement_23099 :
2 81 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0
.....
.....2D WALL ELEMENT.....
.....

element group behaviour throughout stage analysis

stage	status
1	inactive
2	inactive
3	active
4	active
5	active
6	active
7	active

material set no. 1

prop(1) young modulus 0.333500E+08
prop(2) modification time 0.00000
prop(3) new young modulus 0.00000
prop(4) poisson ratio 0.00000
prop(5) future 0.00000

no. of step variable items: 1

step	inertia multipier
1	1.000
2	1.000
3	1.000
4	1.000
5	1.000
6	1.000
7	1.000

element data

el	na	nb	mat	erc1	erc2	thick	area	inertia	wgt(-z)	by-i	by-j
1	1	2	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
2	2	3	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
3	3	4	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
4	4	5	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
5	5	6	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
6	6	7	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
7	7	8	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
8	8	9	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
9	9	10	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
10	10	11	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
11	11	12	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
12	12	13	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
13	13	14	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
14	14	15	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
15	15	16	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
16	16	17	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
17	17	18	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
18	18	19	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
19	19	20	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
20	20	21	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
21	21	22	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
22	22	23	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
23	23	24	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
24	24	25	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
25	25	26	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
26	26	27	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
27	27	28	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
28	28	29	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
29	29	30	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
30	30	31	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
31	31	32	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
32	32	33	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
33	33	34	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
34	34	35	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
35	35	36	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
36	36	37	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
37	37	38	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
38	38	39	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
39	39	40	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000

40	40	41	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
41	41	42	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
42	42	43	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
43	43	44	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
44	44	45	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
45	45	46	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
46	46	47	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
47	47	48	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
48	48	49	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
49	49	50	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
50	50	51	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
51	51	52	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
52	52	53	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
53	53	54	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
54	54	55	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
55	55	56	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
56	56	57	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
57	57	58	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
58	58	59	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
59	59	60	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
60	60	61	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
61	61	62	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
62	62	63	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
63	63	64	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
64	64	65	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
65	65	66	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
66	66	67	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
67	67	68	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
68	68	69	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
69	69	70	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
70	70	71	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
71	71	72	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
72	72	73	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
73	73	74	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
74	74	75	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
75	75	76	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
76	76	77	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
77	77	78	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
78	78	79	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
79	79	80	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
80	80	81	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
81	81	82	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000

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+-------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*           |
|                                                                                                                   |
|                                                ParatiePlus                                                        |
|                                 Exe Time :28 January 2022   10:29:43                                              |
+-------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ..................    0
NO. OF LOAD CURVES  (NLCUR) ..................   14
MAXIMUM POINTS/LCURVE (NPTM)..................    5
```

L O A D D A T A

LOAD FUNCTION NUMBER = 1
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
0.80000	0.0000E+00
1.00000	0.1000E+01
1.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 2
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
1.80000	0.0000E+00
2.00000	0.1000E+01
2.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 3
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
2.80000	0.0000E+00
3.00000	0.1000E+01
3.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 4
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
3.80000	0.0000E+00
4.00000	0.1000E+01
4.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 5
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
4.80000	0.0000E+00
5.00000	0.1000E+01
5.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 6
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
5.80000	0.0000E+00
6.00000	0.1000E+01
6.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 7

NUMBER OF TIME POINTS =   5

TIME VALUE   FUNCTION

   0.00000   0.0000E+00
   6.80000   0.0000E+00
   7.00000   0.1000E+01
   7.20000   0.0000E+00
   8.00000   0.0000E+00

LOAD FUNCTION NUMBER   =   8
NUMBER OF TIME POINTS =   4

TIME VALUE   FUNCTION

   0.00000   0.0000E+00
   0.80000   0.0000E+00
   1.00000   0.1000E+01
   8.00000   0.1000E+01

LOAD FUNCTION NUMBER   =   9
NUMBER OF TIME POINTS =   4

TIME VALUE   FUNCTION

   0.00000   0.0000E+00
   1.80000   0.0000E+00
   2.00000   0.1000E+01
   8.00000   0.1000E+01

LOAD FUNCTION NUMBER   =   10
NUMBER OF TIME POINTS =   4

TIME VALUE   FUNCTION

   0.00000   0.0000E+00
   2.80000   0.0000E+00
   3.00000   0.1000E+01
   8.00000   0.1000E+01

LOAD FUNCTION NUMBER   =   11
NUMBER OF TIME POINTS =   4

TIME VALUE   FUNCTION

   0.00000   0.0000E+00
   3.80000   0.0000E+00
   4.00000   0.1000E+01
   8.00000   0.1000E+01

LOAD FUNCTION NUMBER   =   12
NUMBER OF TIME POINTS =   4

TIME VALUE   FUNCTION

   0.00000   0.0000E+00
   4.80000   0.0000E+00
   5.00000   0.1000E+01
   8.00000   0.1000E+01

LOAD FUNCTION NUMBER   =   13
NUMBER OF TIME POINTS =   4

TIME VALUE   FUNCTION

   0.00000   0.0000E+00
   5.80000   0.0000E+00
   6.00000   0.1000E+01
   8.00000   0.1000E+01

LOAD FUNCTION NUMBER   =   14
NUMBER OF TIME POINTS =   4

TIME VALUE   FUNCTION

   0.00000   0.0000E+00
   6.80000   0.0000E+00
   7.00000   0.1000E+01

8.00000 0.1000E+01

PROCESSING DISTRIBUTED LOADS CARD NO. 1
AT Y-COORD 0.000 Z-COORD -5.160 PRESSURE 2.883
Z-COORD -.3200 PRESSURE 2.883
L.CURVE 7

NO. OF GENERATED NODAL FORCES 25

NODE	Z-LVL	FORCE /	NODE	Z-LVL	FORCE /	NODE	Z-LVL	FORCE /
25	-.5120E+01	0.3471613E+00 /	24	-.4920E+01	0.5790011E+00 /	23	-.4720E+01	0.5790026E+00 /
22	-.4520E+01	0.5790026E+00 /	21	-.4320E+01	0.5790026E+00 /	20	-.4120E+01	0.5790011E+00 /
19	-.3920E+01	0.5790011E+00 /	18	-.3720E+01	0.5790040E+00 /	17	-.3520E+01	0.5790040E+00 /
16	-.3320E+01	0.5790026E+00 /	15	-.3120E+01	0.5790026E+00 /	14	-.2920E+01	0.5790026E+00 /
13	-.2720E+01	0.5790026E+00 /	12	-.2520E+01	0.5790026E+00 /	11	-.2320E+01	0.5790026E+00 /
10	-.2120E+01	0.5790026E+00 /	9	-.1920E+01	0.5790026E+00 /	8	-.1720E+01	0.5790026E+00 /
7	-.1520E+01	0.5790026E+00 /	6	-.1320E+01	0.5790026E+00 /	5	-.1120E+01	0.5790026E+00 /
4	-.9200E+00	0.5790026E+00 /	3	-.7200E+00	0.5790026E+00 /	2	-.5200E+00	0.5790026E+00 /
1	-.3200E+00	0.2895013E+00 /						

OVERALL APPLIED Y FORCE FOR CURRENT DISTRIBUTED LOAD 13.954

PROCESSING DISTRIBUTED LOADS CARD NO. 2
AT Y-COORD 0.000 Z-COORD -5.160 PRESSURE 2.172
Z-COORD -.3200 PRESSURE 2.172
L.CURVE 7

NO. OF GENERATED NODAL FORCES 25

NODE	Z-LVL	FORCE /	NODE	Z-LVL	FORCE /	NODE	Z-LVL	FORCE /
25	-.5120E+01	0.2615450E+00 /	24	-.4920E+01	0.4362090E+00 /	23	-.4720E+01	0.4362100E+00 /
22	-.4520E+01	0.4362100E+00 /	21	-.4320E+01	0.4362100E+00 /	20	-.4120E+01	0.4362090E+00 /
19	-.3920E+01	0.4362090E+00 /	18	-.3720E+01	0.4362111E+00 /	17	-.3520E+01	0.4362111E+00 /
16	-.3320E+01	0.4362100E+00 /	15	-.3120E+01	0.4362100E+00 /	14	-.2920E+01	0.4362100E+00 /
13	-.2720E+01	0.4362100E+00 /	12	-.2520E+01	0.4362100E+00 /	11	-.2320E+01	0.4362100E+00 /
10	-.2120E+01	0.4362100E+00 /	9	-.1920E+01	0.4362100E+00 /	8	-.1720E+01	0.4362100E+00 /
7	-.1520E+01	0.4362100E+00 /	6	-.1320E+01	0.4362100E+00 /	5	-.1120E+01	0.4362100E+00 /
4	-.9200E+00	0.4362100E+00 /	3	-.7200E+00	0.4362100E+00 /	2	-.5200E+00	0.4362100E+00 /
1	-.3200E+00	0.2181050E+00 /						

OVERALL APPLIED Y FORCE FOR CURRENT DISTRIBUTED LOAD 10.512

NO. OF DISTRIBUTED LOAD CARDS 2

L O A D B A L A N C E

```
STEP     1 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     1 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     2 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     2 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     3 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     3 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     4 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     4 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     5 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     5 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     6 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     6 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     7 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       24.466200
STEP     7 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                     LOAD INPUT SECTION COMPLETED
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+-------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*           |
|                                                                                                                   |
|                                              ParatiePlus                                                          |
|                                 Exe Time :28 January 2022   10:29:43                                              |
+-------------------------------------------------------------------------------------------------------------------+


NO. OF LAYERS ..............................    3
NO. OF DATA PER LAYER.......................  160
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LAYER DESCRIPTORS FOR STEP NO. 1

NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 1 FOR STEP NO. 1

ITEM NO. 1<NAME >= 18.000 (BOTH WALLS)
ITEM NO. 2<NATURE >= 1.0000 (BOTH WALLS)
ITEM NO. 3<LEVEL >= 0.0000 (BOTH WALLS)
ITEM NO. 4<WALL >= 1.0000 (BOTH WALLS)
ITEM NO. 5<GAMMAD >= 19.000 (BOTH WALLS)
ITEM NO. 6<GAMMAB >= 9.0000 (BOTH WALLS)
ITEM NO. 7<GAMMAW >= 10.000 (BOTH WALLS)
ITEM NO. 9<U-FRICT >= 18.000 (BOTH WALLS)
ITEM NO. 10<U-KA >= 0.76600 WALL NO. 1
ITEM NO. 11<U-KP >= 2.8530 WALL NO. 1
ITEM NO. 12<K0-NC >= 0.50000 (BOTH WALLS)
ITEM NO. 13<NEXP >= 0.50000 (BOTH WALLS)
ITEM NO. 14<OCR >= 1.0000 (BOTH WALLS)
ITEM NO. 16<MODEL >= 1.0000 (BOTH WALLS)
ITEM NO. 17<EVC >= 30000. (BOTH WALLS)
ITEM NO. 18<EUR >= 90000. (BOTH WALLS)
ITEM NO. 27<U-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 58<U-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 60<U-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 61<U-TZALPH>= 0.50000 (BOTH WALLS)
ITEM NO. 82<D-NATURE>= 1.0000 (BOTH WALLS)
ITEM NO. 83<D-LEVEL >= 0.0000 (BOTH WALLS)
ITEM NO. 89<D-FRICT >= 18.000 (BOTH WALLS)
ITEM NO. 90<D-KA >= 0.39100 WALL NO. 1
ITEM NO. 91<D-KP >= 1.1180 WALL NO. 1
ITEM NO. 107<D-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138<D-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 140<D-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 141<D-TZALPH>= 0.50000 (BOTH WALLS)

NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 2 FOR STEP NO. 1

ITEM NO. 1<NAME >= 19.000 (BOTH WALLS)
ITEM NO. 2<NATURE >= 1.0000 (BOTH WALLS)
ITEM NO. 3<LEVEL >= -4.5000 (BOTH WALLS)
ITEM NO. 4<WALL >= 1.0000 (BOTH WALLS)
ITEM NO. 5<GAMMAD >= 19.000 (BOTH WALLS)
ITEM NO. 6<GAMMAB >= 9.0000 (BOTH WALLS)
ITEM NO. 7<GAMMAW >= 10.000 (BOTH WALLS)
ITEM NO. 8<U-COHE >= 10.000 (BOTH WALLS)
ITEM NO. 9<U-FRICT >= 25.000 (BOTH WALLS)
ITEM NO. 10<U-KA >= 0.48800 WALL NO. 1
ITEM NO. 11<U-KP >= 4.4170 WALL NO. 1
ITEM NO. 12<K0-NC >= 0.50000 (BOTH WALLS)
ITEM NO. 13<NEXP >= 0.50000 (BOTH WALLS)
ITEM NO. 14<OCR >= 1.0000 (BOTH WALLS)
ITEM NO. 16<MODEL >= 1.0000 (BOTH WALLS)
ITEM NO. 17<EVC >= 30000. (BOTH WALLS)
ITEM NO. 18<EUR >= 90000. (BOTH WALLS)
ITEM NO. 27<U-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 58<U-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 60<U-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 61<U-TZALPH>= 0.50000 (BOTH WALLS)
ITEM NO. 82<D-NATURE>= 1.0000 (BOTH WALLS)
ITEM NO. 83<D-LEVEL >= 0.0000 (BOTH WALLS)
ITEM NO. 88<D-COHE >= 10.000 (BOTH WALLS)
ITEM NO. 89<D-FRICT >= 25.000 (BOTH WALLS)
ITEM NO. 90<D-KA >= 0.30000 WALL NO. 1
ITEM NO. 91<D-KP >= 1.7220 WALL NO. 1
ITEM NO. 107<D-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138<D-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 140<D-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 141<D-TZALPH>= 0.50000 (BOTH WALLS)

NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 3 FOR STEP NO. 1

ITEM NO. 1<NAME >= 20.000 (BOTH WALLS)
ITEM NO. 2<NATURE >= 1.0000 (BOTH WALLS)
ITEM NO. 3<LEVEL >= -13.900 (BOTH WALLS)
ITEM NO. 4<WALL >= 1.0000 (BOTH WALLS)
ITEM NO. 5<GAMMAD >= 20.000 (BOTH WALLS)
ITEM NO. 6<GAMMAB >= 10.000 (BOTH WALLS)
ITEM NO. 7<GAMMAW >= 10.000 (BOTH WALLS)
ITEM NO. 8<U-COHE >= 10.000 (BOTH WALLS)
ITEM NO. 9<U-FRICT >= 26.000 (BOTH WALLS)
ITEM NO. 10<U-KA >= 0.46300 WALL NO. 1
ITEM NO. 11<U-KP >= 4.6430 WALL NO. 1

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ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.28800     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.8160     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    2

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  18.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.50900     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  2.8550     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  18.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.43600     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.6260     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    2

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -4.5000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  25.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.49300     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.4530     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  25.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.31200     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.9170     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    3 FOR STEP NO.    2
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ITEM NO.   1&lt;NAME    &gt;=  20.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -13.900     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.47100     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.6830     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.29800     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.9860     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    3

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  18.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.50900     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  2.8550     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  18.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.43600     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.6260     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    3

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -4.5000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  25.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.49300     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.4530     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
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ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  25.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.31200     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.9170     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    3 FOR STEP NO.    3

ITEM NO.   1&lt;NAME    &gt;=  20.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -13.900     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.47100     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.6830     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.29800     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.9860     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    4

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  18.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.50900     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  2.8550     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  18.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.47700     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.2420     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    4

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -4.5000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  25.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.49300     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.4530     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
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ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  25.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.35500     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.6600     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    3 FOR STEP NO.    4

ITEM NO.   1&lt;NAME    &gt;=  20.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -13.900     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.47100     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.6830     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.33700     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.6680     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    5

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  18.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.50900     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  2.8550     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  18.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.47700     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.2420     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    5

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
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ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -4.5000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  25.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.49300     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.4530     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  25.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.35900     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  3.1120     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    3 FOR STEP NO.    5

ITEM NO.   1&lt;NAME    &gt;=  20.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -13.900     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.47100     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.6830     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.34400     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  3.1460     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    6


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    6

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  18.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.50900     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  2.8550     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
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ITEM NO.  89&lt;D-FRICT &gt;=  18.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.47700     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.2420     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    6

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -4.5000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  25.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.49300     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.4530     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  25.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.35900     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  3.2910     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    3 FOR STEP NO.    6

ITEM NO.   1&lt;NAME    &gt;=  20.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -13.900     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.47100     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.6830     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.34400     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  3.4910     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    7

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    7

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  18.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.50900     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  2.8550     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
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ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  47&lt;U-KAED  &gt;= 0.61779     WALL NO.        1
ITEM NO.  48&lt;U-KAEW  &gt;= 0.76156     WALL NO.        1
ITEM NO.  49&lt;U-KPED  &gt;=  2.9795     WALL NO.        1
ITEM NO.  50&lt;U-KPEW  &gt;=  2.9202     WALL NO.        1
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  18.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.47700     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.2420     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 127&lt;D-KAED  &gt;= 0.52988     WALL NO.        1
ITEM NO. 128&lt;D-KAEW  &gt;= 0.64008     WALL NO.        1
ITEM NO. 129&lt;D-KPED  &gt;=  1.9892     WALL NO.        1
ITEM NO. 130&lt;D-KPEW  &gt;=  1.7525     WALL NO.        1
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    7

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -4.5000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  25.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.49300     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.4530     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  47&lt;U-KAED  &gt;= 0.67196     WALL NO.        1
ITEM NO.  48&lt;U-KAEW  &gt;=  1.0355     WALL NO.        1
ITEM NO.  49&lt;U-KPED  &gt;=  4.5891     WALL NO.        1
ITEM NO.  50&lt;U-KPEW  &gt;=  4.4714     WALL NO.        1
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  25.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.35900     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  3.2910     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 127&lt;D-KAED  &gt;= 0.40340     WALL NO.        1
ITEM NO. 128&lt;D-KAEW  &gt;= 0.48868     WALL NO.        1
ITEM NO. 129&lt;D-KPED  &gt;=  2.9647     WALL NO.        1
ITEM NO. 130&lt;D-KPEW  &gt;=  2.7012     WALL NO.        1
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    3 FOR STEP NO.    7

ITEM NO.   1&lt;NAME    &gt;=  20.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -13.900     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.47100     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.6830     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  47&lt;U-KAED  &gt;= 0.63654     WALL NO.        1
ITEM NO.  48&lt;U-KAEW  &gt;=  1.0158     WALL NO.        1
ITEM NO.  49&lt;U-KPED  &gt;=  4.8100     WALL NO.        1
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ITEM NO. 50<U-KPEW >= 4.6871   WALL NO.   1
ITEM NO. 58<U-TZKZ >= 10000.   (BOTH WALLS)
ITEM NO. 60<U-TZDELT>= 25.000   (BOTH WALLS)
ITEM NO. 61<U-TZALPH>= 0.50000   (BOTH WALLS)
ITEM NO. 82<D-NATURE>= 1.0000   (BOTH WALLS)
ITEM NO. 83<D-LEVEL >= 0.0000   (BOTH WALLS)
ITEM NO. 88<D-COHE >= 10.000   (BOTH WALLS)
ITEM NO. 89<D-FRICT >= 26.000   (BOTH WALLS)
ITEM NO. 90<D-KA   >= 0.34400   WALL NO.   1
ITEM NO. 91<D-KP   >= 3.4910   WALL NO.   1
ITEM NO. 107<D-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 127<D-KAED >= 0.38807   WALL NO.   1
ITEM NO. 128<D-KAEW >= 0.46089   WALL NO.   1
ITEM NO. 129<D-KPED >= 3.1496   WALL NO.   1
ITEM NO. 130<D-KPEW >= 2.9091   WALL NO.   1
ITEM NO. 138<D-TZKZ >= 10000.   (BOTH WALLS)
ITEM NO. 140<D-TZDELT>= 25.000   (BOTH WALLS)
ITEM NO. 141<D-TZALPH>= 0.50000   (BOTH WALLS)

DEFAULT WATER UNIT WEIGHT = 10.000
AVERAGED ON   21 VALUES

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+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:43                                                 |
+-----------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1 no. of subincrements     1
                                       LEFT WALL    RIGHT WALL
Y                                       0.000       -0.9990E+30
Z-PC                                    0.000         0.000
Z-EXCAVATION                            0.000         0.000
Z-WATER_TABLE                          -4.340       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL               0.000         0.000
ZQ                                      0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.3128         0.000
QS_ON_THE_EXCAVATION_SIDE               0.000         0.000
ZQS                                     0.000       -0.9990E+30
ZCUT                                    0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES       -16.52        -16.52
WATER_BEHAVIOUR_FLAG (LINING OPT)       0.000         0.000
PORE_UPDATE_FLAG                        0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)        0.000         0.000
lateral thrusts reduction elevatio      0.000         0.000
Downhill reduction factor for effe      0.000         0.000
Downhill reduction factor for pore      0.000         0.000
Uphill reduction factor for effect      0.000         0.000
Uphill reduction factor for pore p      0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]        0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]       0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]       0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]         0.000         0.000
UPHILL DELTA/PHI RATIO                  0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
DOWNHILL DELTA/PHI RATIO                0.000         0.000
DYN.WATER BEHAVIOUR                     0.000         0.000
Excess pore pressure RATIO Ru           0.000         0.000
SEISMIC PRESSURE LOWER VALUE            0.000         0.000
SEISMIC PRESSURE UPPER VALUE            0.000         0.000
SEISMIC PRESSURE LOWER LEVEL            0.000         0.000
SEISMIC PRESSURE UPPER LEVEL            0.000         0.000

=============================================================================================================end of step    1


STEP  NO.     2 no. of subincrements     1
                                       LEFT WALL    RIGHT WALL
Y                                       0.000       -0.9990E+30
Z-PC                                   -0.3200         0.000
Z-EXCAVATION                           -0.3200         0.000
Z-WATER_TABLE                           -4.340       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL               0.000         0.000
ZQ                                      0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.3128         0.000
QS_ON_THE_EXCAVATION_SIDE               0.000         0.000
ZQS                                     0.000       -0.9990E+30
ZCUT                                    0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES       -16.52        -16.52
WATER_BEHAVIOUR_FLAG (LINING OPT)       0.000         0.000
PORE_UPDATE_FLAG                        0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)        0.000         0.000
lateral thrusts reduction elevatio      0.000         0.000
Downhill reduction factor for effe      0.000         0.000
Downhill reduction factor for pore      0.000         0.000
Uphill reduction factor for effect      0.000         0.000
Uphill reduction factor for pore p      0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]        0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]       0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]       0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]         0.000         0.000
UPHILL DELTA/PHI RATIO                  0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
DOWNHILL DELTA/PHI RATIO                0.000         0.000
DYN.WATER BEHAVIOUR                     0.000         0.000
Excess pore pressure RATIO Ru           0.000         0.000
SEISMIC PRESSURE LOWER VALUE            0.000         0.000
SEISMIC PRESSURE UPPER VALUE            0.000         0.000
SEISMIC PRESSURE LOWER LEVEL            0.000         0.000
SEISMIC PRESSURE UPPER LEVEL            0.000         0.000

=============================================================================================================end of step    2


STEP  NO.     3 no. of subincrements     1
                                       LEFT WALL    RIGHT WALL
Y                                       0.000       -0.9990E+30
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Z-PC	-0.3200	0.000
Z-EXCAVATION	-0.3200	0.000
Z-WATER_TABLE	-4.340	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.3128	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.52	-16.52
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step   3

STEP NO.   4 no. of subincrements   1

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	-0.3200	0.000
Z-EXCAVATION	-1.820	0.000
Z-WATER_TABLE	-4.340	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.3128	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.52	-16.52
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step   4

STEP NO.   5 no. of subincrements   1

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	-0.3200	0.000
Z-EXCAVATION	-3.320	0.000
Z-WATER_TABLE	-4.340	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.3128	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.52	-16.52
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000

Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 5

STEP NO. 6 no. of subincrements 1

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	-0.3200	0.000
Z-EXCAVATION	-5.160	0.000
Z-WATER_TABLE	-5.240	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.3745	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.52	-16.52
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 6

STEP NO. 7 no. of subincrements 1

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	-0.3200	0.000
Z-EXCAVATION	-5.160	0.000
Z-WATER_TABLE	-5.240	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.3745	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.52	-16.52
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	-0.8360E-01	0.000
	MANUAL	
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.4180E-01	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	-0.4180E-01	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.5000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.5000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

```
==========================================================================================================end of step    7


 LEFT-HAND WALL

 LOWER  LEVEL         -16.52000
 UPPER  LEVEL          -0.32000

 RIGHT-HAND WALL

 LOWER  LEVEL         -16.52000
 UPPER  LEVEL          -0.32000



 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        8804

 NO. OF D.P.W  FOR THIS AREA      12539
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO          40

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9374E+05 RIMNOR= 0.000
           RENORM= 1.932     REMNOR= 0.000     RATIO =0.4540E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 43.07     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9374E+05 RDR   = 0.000
           RATIOT=0.4540E-02 RATIOR= 0.000
           MAX UN=0.3070     IEQ=    45 NODE     23 DOF   1  Y-DISPL.F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9374E+05 RIMNOR= 0.000
           RENORM=0.6626E-27 REMNOR= 0.000     RATIO =0.8408E-16 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 43.07     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9374E+05 RDR   = 0.000
           RATIOT=0.8408E-16 RATIOR= 0.000
           MAX UN=0.7105E-14 IEQ=   143 NODE     72 DOF   1  Y-DISPL.F
           MIN UN=-.1421E-13 IEQ=   159 NODE     80 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:43                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    1     ( AT TIME   1.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
   22   1.0683516E-05    0.000000
   23   1.8470258E-05    0.000000
   24   1.8157203E-05    0.000000
   25   1.7844149E-05    0.000000
   26   1.7531094E-05    0.000000
   27   1.7218039E-05    0.000000
   28   1.6904983E-05    0.000000
   29   1.6591928E-05    0.000000
   30   1.6278874E-05    0.000000
   31   1.5965819E-05    0.000000
   32   1.5652764E-05    0.000000
   33   1.5339709E-05    0.000000
   34   1.5026654E-05    0.000000
   35   1.4713598E-05    0.000000
   36   1.4400545E-05    0.000000
   37   1.4087490E-05    0.000000
   38   1.3774434E-05    0.000000
   39   1.3461379E-05    0.000000
   40   1.3148324E-05    0.000000
   41   1.2835269E-05    0.000000
   42   1.2522213E-05    0.000000
   43   1.2209160E-05    0.000000
   44   1.1896105E-05    0.000000
   45   1.1583049E-05    0.000000
   46   1.1269994E-05    0.000000
   47   1.0956939E-05    0.000000
   48   1.0643885E-05    0.000000
   49   1.0330830E-05    0.000000
   50   1.0017767E-05    0.000000
   51   9.7047274E-06    0.000000
   52   9.3916722E-06    0.000000
   53   9.0786170E-06    0.000000
   54   8.7655618E-06    0.000000
   55   8.4525065E-06    0.000000
   56   8.1394513E-06    0.000000
   57   7.8263961E-06    0.000000
   58   7.5133409E-06    0.000000
   59   7.2002857E-06    0.000000
   60   6.8872305E-06    0.000000
   61   6.5741752E-06    0.000000
   62   6.2611200E-06    0.000000
   63   5.9480648E-06    0.000000
   64   5.6350096E-06    0.000000
   65   5.3219544E-06    0.000000
   66   5.0088991E-06    0.000000
   67   4.6958439E-06    0.000000
   68   4.3827887E-06    0.000000
   69   6.0364540E-07    0.000000
   70   5.5721131E-07    0.000000
   71   5.1077723E-07    0.000000
   72   4.6434315E-07    0.000000
   73   4.1790907E-07    0.000000
   74   3.7147498E-07    0.000000
   75   3.2504090E-07    0.000000
   76   2.7860682E-07    0.000000
   77   2.3217274E-07    0.000000
   78   1.8573865E-07    0.000000
   79   1.3930457E-07    0.000000
   80   9.2870487E-08    0.000000
   81   4.6436404E-08    0.000000
```

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:43                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                        :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      1.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D  0.3040       0.000       6.080       3.040       6.080       3.040           V-C  1.9116E+04 -0.3200       0.000
1.000       1.000       3.040       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.9880       0.000       9.880       4.940       9.880       4.940           V-C  1.9116E+04 -0.5200       0.000
1.000       1.000       4.940       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.368       0.000       13.68       6.840       13.68       6.840           V-C  1.9116E+04 -0.7200       0.000
1.000       1.000       6.840       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.748       0.000       17.48       8.740       17.48       8.740           V-C  1.9116E+04 -0.9200       0.000
1.000       1.000       8.740       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   2.128       0.000       21.28       10.64       21.28       10.64           V-C  1.9116E+04  -1.120       0.000
1.000       1.000       10.64       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   2.508       0.000       25.08       12.54       25.08       12.54           V-C  1.9116E+04  -1.320       0.000
1.000       1.000       12.54       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.888       0.000       28.88       14.44       28.88       14.44           V-C  1.9116E+04  -1.520       0.000
1.000       1.000       14.44       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   3.268       0.000       32.68       16.34       32.68       16.34           V-C  1.9116E+04  -1.720       0.000
1.000       1.000       16.34       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.648       0.000       36.48       18.24       36.48       18.24           V-C  1.9116E+04  -1.920       0.000
1.000       1.000       18.24       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   4.028       0.000       40.28       20.14       40.28       20.14           V-C  1.9116E+04  -2.120       0.000
1.000       1.000       20.14       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   4.408       0.000       44.08       22.04       44.08       22.04           V-C  1.9116E+04  -2.320       0.000
1.000       1.000       22.04       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.788       0.000       47.88       23.94       47.88       23.94           V-C  1.9116E+04  -2.520       0.000
1.000       1.000       23.94       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   5.168       0.000       51.68       25.84       51.68       25.84           V-C  1.9116E+04  -2.720       0.000
1.000       1.000       25.84       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.548       0.000       55.48       27.74       55.48       27.74           V-C  1.9116E+04  -2.920       0.000
1.000       1.000       27.74       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.928       0.000       59.28       29.64       59.28       29.64           V-C  1.9116E+04  -3.120       0.000
1.000       1.000       29.64       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   6.308       0.000       63.08       31.54       63.08       31.54           V-C  1.9116E+04  -3.320       0.000
1.000       1.000       31.54       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.688       0.000       66.88       33.44       66.88       33.44           V-C  1.9116E+04  -3.520       0.000
1.000       1.000       33.44       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   7.068       0.000       70.68       35.34       70.68       35.34           V-C  1.9116E+04  -3.720       0.000
1.000       1.000       35.34       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   7.448       0.000       74.48       37.24       74.48       37.24           V-C  1.9116E+04  -3.920       0.000
1.000       1.000       37.24       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.828       0.000       78.28       39.14       78.28       39.14           V-C  1.9116E+04  -4.120       0.000
1.000       1.000       39.14       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   8.208       0.000       82.08       41.04       82.08       41.04           V-C  1.9116E+04  -4.320       0.000
1.000       1.000       41.04       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   8.626     -1.0684E-05   84.10       41.35       84.10       42.05          UL-RL  6.5404E+04  -4.520       1.776
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1.000       1.000       43.13       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D    9.101     -1.8470E-05   85.93       41.76       85.93       42.97          UL-RL  6.5404E+04  -4.720       3.750
1.000       1.000       45.51       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D    9.683     -1.8157E-05   87.76       42.69       87.76       43.88          UL-RL  6.5404E+04  -4.920       5.724
1.000       1.000       48.41       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D    10.26     -1.7844E-05   89.58       43.62       89.58       44.79          UL-RL  6.5404E+04  -5.120       7.698
1.000       1.000       51.32       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D    10.85     -1.7531E-05   91.41       44.56       91.41       45.70          UL-RL  6.5404E+04  -5.320       9.672
1.000       1.000       54.23       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D    11.43     -1.7218E-05   93.23       45.49       93.23       46.62          UL-RL  6.5404E+04  -5.520       11.65
1.000       1.000       57.14       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D    12.01     -1.6905E-05   95.06       46.42       95.06       47.53          UL-RL  6.5404E+04  -5.720       13.62
1.000       1.000       60.04       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D    12.59     -1.6592E-05   96.89       47.36       96.89       48.44          UL-RL  6.5404E+04  -5.920       15.59
1.000       1.000       62.95       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D    13.17     -1.6279E-05   98.71       48.29       98.71       49.36          UL-RL  6.5404E+04  -6.120       17.57
1.000       1.000       65.86       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D    13.75     -1.5966E-05   100.5       49.23       100.5       50.27          UL-RL  6.5404E+04  -6.320       19.54
1.000       1.000       68.77       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D    14.33     -1.5653E-05   102.4       50.16       102.4       51.18          UL-RL  6.5404E+04  -6.520       21.52
1.000       1.000       71.67       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D    14.92     -1.5340E-05   104.2       51.09       104.2       52.10          UL-RL  6.5404E+04  -6.720       23.49
1.000       1.000       74.58       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D    15.50     -1.5027E-05   106.0       52.03       106.0       53.01          UL-RL  6.5404E+04  -6.920       25.46
1.000       1.000       77.49       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D    16.08     -1.4714E-05   107.8       52.96       107.8       53.92          UL-RL  6.5404E+04  -7.120       27.44
1.000       1.000       80.40       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D    16.66     -1.4401E-05   109.7       53.89       109.7       54.83          UL-RL  6.5404E+04  -7.320       29.41
1.000       1.000       83.30       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D    17.24     -1.4087E-05   111.5       54.83       111.5       55.75          UL-RL  6.5404E+04  -7.520       31.39
1.000       1.000       86.21       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D    17.82     -1.3774E-05   113.3       55.76       113.3       56.66          UL-RL  6.5404E+04  -7.720       33.36
1.000       1.000       89.12       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D    18.41     -1.3461E-05   115.1       56.69       115.1       57.57          UL-RL  6.5404E+04  -7.920       35.33
1.000       1.000       92.03       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D    18.99     -1.3148E-05   117.0       57.63       117.0       58.49          UL-RL  6.5404E+04  -8.120       37.31
1.000       1.000       94.93       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D    19.57     -1.2835E-05   118.8       58.56       118.8       59.40          UL-RL  6.5404E+04  -8.320       39.28
1.000       1.000       97.84       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D    20.15     -1.2522E-05   120.6       59.49       120.6       60.31          UL-RL  6.5404E+04  -8.520       41.26
1.000       1.000       100.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D    20.73     -1.2209E-05   122.5       60.43       122.5       61.23          UL-RL  6.5404E+04  -8.720       43.23
1.000       1.000       103.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D    21.31     -1.1896E-05   124.3       61.36       124.3       62.14          UL-RL  6.5404E+04  -8.920       45.20
1.000       1.000       106.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D    21.89     -1.1583E-05   126.1       62.29       126.1       63.05          UL-RL  6.5404E+04  -9.120       47.18
1.000       1.000       109.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D    22.48     -1.1270E-05   127.9       63.23       127.9       63.96          UL-RL  6.5404E+04  -9.320       49.15
1.000       1.000       112.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D    23.06     -1.0957E-05   129.8       64.16       129.8       64.88          UL-RL  6.5404E+04  -9.520       51.13
1.000       1.000       115.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D    23.64     -1.0644E-05   131.6       65.09       131.6       65.79          UL-RL  6.5404E+04  -9.720       53.10
1.000       1.000       118.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D    24.22     -1.0331E-05   133.4       66.03       133.4       66.70          UL-RL  6.5404E+04  -9.920       55.07
1.000       1.000       121.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D    24.80     -1.0018E-05   135.2       66.96       135.2       67.62          UL-RL  6.5404E+04  -10.12       57.05
1.000       1.000       124.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D    25.38     -9.7047E-06   137.1       67.89       137.1       68.53          UL-RL  6.5404E+04  -10.32       59.02
1.000       1.000       126.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D    25.96     -9.3917E-06   138.9       68.83       138.9       69.44          UL-RL  6.5404E+04  -10.52       61.00
1.000       1.000       129.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   26.55     -9.0786E-06   140.7       69.76       140.7       70.36          UL-RL  6.5404E+04  -10.72       62.97
1.000       1.000       132.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   27.13     -8.7656E-06   142.5       70.70       142.5       71.27          UL-RL  6.5404E+04  -10.92       64.94
1.000       1.000       135.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   27.71     -8.4525E-06   144.4       71.63       144.4       72.18          UL-RL  6.5404E+04  -11.12       66.92
1.000       1.000       138.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   28.29     -8.1395E-06   146.2       72.56       146.2       73.09          UL-RL  6.5404E+04  -11.32       68.89
1.000       1.000       141.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   28.87     -7.8264E-06   148.0       73.50       148.0       74.01          UL-RL  6.5404E+04  -11.52       70.86
1.000       1.000       144.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   29.45     -7.5133E-06   149.8       74.43       149.8       74.92          UL-RL  6.5404E+04  -11.72       72.84
1.000       1.000       147.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   30.04     -7.2003E-06   151.7       75.36       151.7       75.83          UL-RL  6.5404E+04  -11.92       74.81
1.000       1.000       150.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   30.62     -6.8872E-06   153.5       76.30       153.5       76.75          UL-RL  6.5404E+04  -12.12       76.79
1.000       1.000       153.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   31.20     -6.5742E-06   155.3       77.23       155.3       77.66          UL-RL  6.5404E+04  -12.32       78.76
1.000       1.000       156.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   31.78     -6.2611E-06   157.1       78.16       157.1       78.57          UL-RL  6.5404E+04  -12.52       80.73
1.000       1.000       158.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   32.36     -5.9481E-06   159.0       79.10       159.0       79.49          UL-RL  6.5404E+04  -12.72       82.71
1.000       1.000       161.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   32.94     -5.6350E-06   160.8       80.03       160.8       80.40          UL-RL  6.5404E+04  -12.92       84.68
1.000       1.000       164.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   33.52     -5.3220E-06   162.6       80.96       162.6       81.31          UL-RL  6.5404E+04  -13.12       86.66
1.000       1.000       167.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   34.11     -5.0089E-06   164.4       81.90       164.4       82.22          UL-RL  6.5404E+04  -13.32       88.63
1.000       1.000       170.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   34.69     -4.6958E-06   166.3       82.83       166.3       83.14          UL-RL  6.5404E+04  -13.52       90.60
1.000       1.000       173.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   35.27     -4.3828E-06   168.1       83.76       168.1       84.05          UL-RL  6.5404E+04  -13.72       92.58
1.000       1.000       176.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   35.85     -6.0365E-07   169.9       84.71       169.9       84.97          UL-RL  4.4454E+05  -13.92       94.55
1.000       1.000       179.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   36.45     -5.5721E-07   172.0       85.74       172.0       85.99          UL-RL  4.4454E+05  -14.12       96.53
1.000       1.000       182.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   37.05     -5.1078E-07   174.0       86.77       174.0       87.00          UL-RL  4.4454E+05  -14.32       98.50
1.000       1.000       185.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   37.66     -4.6434E-07   176.0       87.81       176.0       88.01          UL-RL  4.4454E+05  -14.52       100.5
1.000       1.000       188.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   38.26     -4.1791E-07   178.1       88.84       178.1       89.03          UL-RL  4.4454E+05  -14.72       102.4
1.000       1.000       191.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   38.86     -3.7147E-07   180.1       89.87       180.1       90.04          UL-RL  4.4454E+05  -14.92       104.4
1.000       1.000       194.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   39.46     -3.2504E-07   182.1       90.91       182.1       91.05          UL-RL  4.4454E+05  -15.12       106.4
1.000       1.000       197.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   40.06     -2.7861E-07   184.1       91.94       184.1       92.06          UL-RL  4.4454E+05  -15.32       108.4
1.000       1.000       200.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   40.66     -2.3217E-07   186.2       92.97       186.2       93.08          UL-RL  4.4454E+05  -15.52       110.3
1.000       1.000       203.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   41.27     -1.8574E-07   188.2       94.01       188.2       94.09          UL-RL  4.4454E+05  -15.72       112.3
1.000       1.000       206.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   41.87     -1.3930E-07   190.2       95.04       190.2       95.10          UL-RL  4.4454E+05  -15.92       114.3
1.000       1.000       209.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   42.47     -9.2870E-08   192.2       96.08       192.2       96.12          UL-RL  4.4454E+05  -16.12       116.3
1.000       1.000       212.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   43.07     -4.6436E-08   194.3       97.11       194.3       97.13          UL-RL  4.4454E+05  -16.32       118.2
1.000       1.000       215.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   21.84       0.000       196.3       98.14       196.3       98.14            V-C  1.4818E+05  -16.52       120.2
1.000       1.000       218.4       0.000       0.000       0.000       0.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:43                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      1.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
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-----------------------------------------------
   1 D  0.3040       0.000       6.080       3.040       6.080       3.040            V-C  2.0182E+04 -0.3200       0.000
1.000       1.000       3.040       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.9880       0.000       9.880       4.940       9.880       4.940            V-C  2.0182E+04 -0.5200       0.000
1.000       1.000       4.940       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.368       0.000       13.68       6.840       13.68       6.840            V-C  2.0182E+04 -0.7200       0.000
1.000       1.000       6.840       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.748       0.000       17.48       8.740       17.48       8.740            V-C  2.0182E+04 -0.9200       0.000
1.000       1.000       8.740       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   2.128       0.000       21.28       10.64       21.28       10.64            V-C  2.0182E+04  -1.120       0.000
1.000       1.000       10.64       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   2.508       0.000       25.08       12.54       25.08       12.54            V-C  2.0182E+04  -1.320       0.000
1.000       1.000       12.54       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.888       0.000       28.88       14.44       28.88       14.44            V-C  2.0182E+04  -1.520       0.000
1.000       1.000       14.44       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   3.268       0.000       32.68       16.34       32.68       16.34            V-C  2.0182E+04  -1.720       0.000
1.000       1.000       16.34       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.648       0.000       36.48       18.24       36.48       18.24            V-C  2.0182E+04  -1.920       0.000
1.000       1.000       18.24       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   4.028       0.000       40.28       20.14       40.28       20.14            V-C  2.0182E+04  -2.120       0.000
1.000       1.000       20.14       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   4.408       0.000       44.08       22.04       44.08       22.04            V-C  2.0182E+04  -2.320       0.000
1.000       1.000       22.04       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.788       0.000       47.88       23.94       47.88       23.94            V-C  2.0182E+04  -2.520       0.000
1.000       1.000       23.94       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   5.168       0.000       51.68       25.84       51.68       25.84            V-C  2.0182E+04  -2.720       0.000
1.000       1.000       25.84       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.548       0.000       55.48       27.74       55.48       27.74            V-C  2.0182E+04  -2.920       0.000
1.000       1.000       27.74       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.928       0.000       59.28       29.64       59.28       29.64            V-C  2.0182E+04  -3.120       0.000
1.000       1.000       29.64       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   6.308       0.000       63.08       31.54       63.08       31.54            V-C  2.0182E+04  -3.320       0.000
1.000       1.000       31.54       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.688       0.000       66.88       33.44       66.88       33.44            V-C  2.0182E+04  -3.520       0.000
1.000       1.000       33.44       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   7.068       0.000       70.68       35.34       70.68       35.34            V-C  2.0182E+04  -3.720       0.000
1.000       1.000       35.34       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   7.448       0.000       74.48       37.24       74.48       37.24            V-C  2.0182E+04  -3.920       0.000
1.000       1.000       37.24       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.828       0.000       78.28       39.14       78.28       39.14            V-C  2.0182E+04  -4.120       0.000
1.000       1.000       39.14       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   8.208       0.000       82.08       41.04       82.08       41.04            V-C  2.0182E+04  -4.320       0.000
1.000       1.000       41.04       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   8.626      1.0684E-05   85.88       43.13       85.88       43.13            V-C  1.7696E+04  -4.520       0.000
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1.000       1.000       43.13       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D    9.101       1.8470E-05  89.00       44.83       89.00       44.83           V-C  1.7696E+04  -4.720       0.6798
1.000       1.000       45.51       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D    9.683       1.8157E-05  90.77       45.71       90.77       45.71           V-C  1.7696E+04  -4.920       2.706
1.000       1.000       48.41       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D    10.26       1.7844E-05  92.55       46.59       92.55       46.59           V-C  1.7696E+04  -5.120       4.732
1.000       1.000       51.32       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D    10.85       1.7531E-05  94.32       47.47       94.32       47.47           V-C  1.7696E+04  -5.320       6.758
1.000       1.000       54.23       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D    11.43       1.7218E-05  96.10       48.35       96.10       48.35           V-C  1.7696E+04  -5.520       8.784
1.000       1.000       57.14       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D    12.01       1.6905E-05  97.87       49.23       97.87       49.23           V-C  1.7696E+04  -5.720       10.81
1.000       1.000       60.04       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D    12.59       1.6592E-05  99.64       50.12       99.64       50.12           V-C  1.7696E+04  -5.920       12.84
1.000       1.000       62.95       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D    13.17       1.6279E-05  101.4       51.00       101.4       51.00           V-C  1.7696E+04  -6.120       14.86
1.000       1.000       65.86       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D    13.75       1.5966E-05  103.2       51.88       103.2       51.88           V-C  1.7696E+04  -6.320       16.89
1.000       1.000       68.77       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D    14.33       1.5653E-05  105.0       52.76       105.0       52.76           V-C  1.7696E+04  -6.520       18.91
1.000       1.000       71.67       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D    14.92       1.5340E-05  106.7       53.64       106.7       53.64           V-C  1.7696E+04  -6.720       20.94
1.000       1.000       74.58       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D    15.50       1.5027E-05  108.5       54.52       108.5       54.52           V-C  1.7696E+04  -6.920       22.97
1.000       1.000       77.49       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D    16.08       1.4714E-05  110.3       55.40       110.3       55.40           V-C  1.7696E+04  -7.120       24.99
1.000       1.000       80.40       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D    16.66       1.4401E-05  112.1       56.29       112.1       56.29           V-C  1.7696E+04  -7.320       27.02
1.000       1.000       83.30       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D    17.24       1.4087E-05  113.8       57.17       113.8       57.17           V-C  1.7696E+04  -7.520       29.04
1.000       1.000       86.21       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D    17.82       1.3774E-05  115.6       58.05       115.6       58.05           V-C  1.7696E+04  -7.720       31.07
1.000       1.000       89.12       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D    18.41       1.3461E-05  117.4       58.93       117.4       58.93           V-C  1.7696E+04  -7.920       33.10
1.000       1.000       92.03       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D    18.99       1.3148E-05  119.2       59.81       119.2       59.81           V-C  1.7696E+04  -8.120       35.12
1.000       1.000       94.93       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D    19.57       1.2835E-05  120.9       60.69       120.9       60.69           V-C  1.7696E+04  -8.320       37.15
1.000       1.000       97.84       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D    20.15       1.2522E-05  122.7       61.57       122.7       61.57           V-C  1.7696E+04  -8.520       39.17
1.000       1.000       100.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D    20.73       1.2209E-05  124.5       62.46       124.5       62.46           V-C  1.7696E+04  -8.720       41.20
1.000       1.000       103.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D    21.31       1.1896E-05  126.3       63.34       126.3       63.34           V-C  1.7696E+04  -8.920       43.23
1.000       1.000       106.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D    21.89       1.1583E-05  128.0       64.22       128.0       64.22           V-C  1.7696E+04  -9.120       45.25
1.000       1.000       109.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D    22.48       1.1270E-05  129.8       65.10       129.8       65.10           V-C  1.7696E+04  -9.320       47.28
1.000       1.000       112.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D    23.06       1.0957E-05  131.6       65.98       131.6       65.98           V-C  1.7696E+04  -9.520       49.30
1.000       1.000       115.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D    23.64       1.0644E-05  133.3       66.86       133.3       66.86           V-C  1.7696E+04  -9.720       51.33
1.000       1.000       118.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D    24.22       1.0331E-05  135.1       67.74       135.1       67.74           V-C  1.7696E+04  -9.920       53.36
1.000       1.000       121.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D    24.80       1.0018E-05  136.9       68.63       136.9       68.63           V-C  1.7696E+04  -10.12       55.38
1.000       1.000       124.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D    25.38       9.7047E-06  138.7       69.51       138.7       69.51           V-C  1.7696E+04  -10.32       57.41
1.000       1.000       126.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D    25.96       9.3917E-06  140.4       70.39       140.4       70.39           V-C  1.7696E+04  -10.52       59.43
1.000       1.000       129.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   26.55      9.0786E-06   142.2       71.27       142.2       71.27            V-C  1.7696E+04  -10.72       61.46
1.000       1.000       132.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   27.13      8.7656E-06   144.0       72.15       144.0       72.15            V-C  1.7696E+04  -10.92       63.49
1.000       1.000       135.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   27.71      8.4525E-06   145.8       73.03       145.8       73.03            V-C  1.7696E+04  -11.12       65.51
1.000       1.000       138.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   28.29      8.1395E-06   147.5       73.91       147.5       73.91            V-C  1.7696E+04  -11.32       67.54
1.000       1.000       141.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   28.87      7.8264E-06   149.3       74.80       149.3       74.80            V-C  1.7696E+04  -11.52       69.56
1.000       1.000       144.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   29.45      7.5133E-06   151.1       75.68       151.1       75.68            V-C  1.7696E+04  -11.72       71.59
1.000       1.000       147.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   30.04      7.2003E-06   152.9       76.56       152.9       76.56            V-C  1.7696E+04  -11.92       73.62
1.000       1.000       150.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   30.62      6.8872E-06   154.6       77.44       154.6       77.44            V-C  1.7696E+04  -12.12       75.64
1.000       1.000       153.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   31.20      6.5742E-06   156.4       78.32       156.4       78.32            V-C  1.7696E+04  -12.32       77.67
1.000       1.000       156.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   31.78      6.2611E-06   158.2       79.20       158.2       79.20            V-C  1.7696E+04  -12.52       79.69
1.000       1.000       158.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   32.36      5.9481E-06   160.0       80.09       160.0       80.09            V-C  1.7696E+04  -12.72       81.72
1.000       1.000       161.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   32.94      5.6350E-06   161.7       80.97       161.7       80.97            V-C  1.7696E+04  -12.92       83.75
1.000       1.000       164.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   33.52      5.3220E-06   163.5       81.85       163.5       81.85            V-C  1.7696E+04  -13.12       85.77
1.000       1.000       167.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   34.11      5.0089E-06   165.3       82.73       165.3       82.73            V-C  1.7696E+04  -13.32       87.80
1.000       1.000       170.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   34.69      4.6958E-06   167.1       83.61       167.1       83.61            V-C  1.7696E+04  -13.52       89.82
1.000       1.000       173.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   35.27      4.3828E-06   168.8       84.49       168.8       84.49            V-C  1.7696E+04  -13.72       91.85
1.000       1.000       176.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   35.85      6.0365E-07   170.6       85.38       170.6       85.38            V-C  1.1572E+05  -13.92       93.88
1.000       1.000       179.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   36.45      5.5721E-07   172.6       86.36       172.6       86.36            V-C  1.1572E+05  -14.12       95.90
1.000       1.000       182.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   37.05      5.1078E-07   174.6       87.34       174.6       87.34            V-C  1.1572E+05  -14.32       97.93
1.000       1.000       185.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   37.66      4.6434E-07   176.5       88.33       176.5       88.33            V-C  1.1572E+05  -14.52       99.95
1.000       1.000       188.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   38.26      4.1791E-07   178.5       89.31       178.5       89.31            V-C  1.1572E+05  -14.72       102.0
1.000       1.000       191.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   38.86      3.7147E-07   180.5       90.29       180.5       90.29            V-C  1.1572E+05  -14.92       104.0
1.000       1.000       194.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   39.46      3.2504E-07   182.5       91.27       182.5       91.27            V-C  1.1572E+05  -15.12       106.0
1.000       1.000       197.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   40.06      2.7861E-07   184.4       92.25       184.4       92.25            V-C  1.1572E+05  -15.32       108.1
1.000       1.000       200.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   40.66      2.3217E-07   186.4       93.23       186.4       93.23            V-C  1.1572E+05  -15.52       110.1
1.000       1.000       203.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   41.27      1.8574E-07   188.4       94.22       188.4       94.22            V-C  1.1572E+05  -15.72       112.1
1.000       1.000       206.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   41.87      1.3930E-07   190.4       95.20       190.4       95.20            V-C  1.1572E+05  -15.92       114.1
1.000       1.000       209.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   42.47      9.2870E-08   192.3       96.18       192.3       96.18            V-C  1.1572E+05  -16.12       116.2
1.000       1.000       212.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   43.07      4.6436E-08   194.3       97.16       194.3       97.16            V-C  1.1572E+05  -16.32       118.2
1.000       1.000       215.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   21.84       0.000       196.3       98.14       196.3       98.14            V-C  1.1572E+05  -16.52       120.2
1.000       1.000       218.4       0.000       0.000       0.000       0.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
```

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                Exe Time :28 January 2022   10:29:43                                                   |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099                                          :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   81
C U R R E N T   T I M E   I S      1.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9151E+05 RIMNOR= 0.000
           RENORM=0.3808E-06 REMNOR= 0.000     RATIO =0.2040E-05 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 42.76     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9151E+05 RDR   = 0.000
           RATIOT=0.2040E-05 RATIOR= 0.000
           MAX UN= 0.000     IEQ=   164 NODE     82 DOF   2   X-ROT. F
           MIN UN=-.1993E-03 IEQ=    45 NODE     23 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9151E+05 RIMNOR= 0.000
           RENORM=0.1070E-26 REMNOR= 0.000     RATIO =0.1081E-15 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 42.76     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9151E+05 RDR   = 0.000
           RATIOT=0.1081E-15 RATIOR= 0.000
           MAX UN=0.1421E-13 IEQ=   161 NODE     81 DOF   1  Y-DISPL.F
           MIN UN=-.7105E-14 IEQ=   147 NODE     74 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9151E+05 RIMNOR= 0.000
           RENORM=0.9466E-27 REMNOR= 0.000     RATIO =0.1017E-15 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 42.76     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9151E+05 RDR   = 0.000
           RATIOT=0.1017E-15 RATIOR= 0.000
           MAX UN=0.7105E-14 IEQ=   147 NODE     74 DOF   1  Y-DISPL.F
           MIN UN=-.1421E-13 IEQ=   139 NODE     70 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:43                                                 |
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New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    2     ( AT TIME   2.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
   22   1.0678356E-05    0.000000
   23   1.8461849E-05    0.000000
   24   1.8149279E-05    0.000000
   25   1.7836677E-05    0.000000
   26   1.7524045E-05    0.000000
   27   1.7211385E-05    0.000000
   28   1.6898701E-05    0.000000
   29   1.6585993E-05    0.000000
   30   1.6273265E-05    0.000000
   31   1.5960517E-05    0.000000
   32   1.5647750E-05    0.000000
   33   1.5334967E-05    0.000000
   34   1.5022167E-05    0.000000
   35   1.4709354E-05    0.000000
   36   1.4396528E-05    0.000000
   37   1.4083688E-05    0.000000
   38   1.3770837E-05    0.000000
   39   1.3457974E-05    0.000000
   40   1.3145101E-05    0.000000
   41   1.2832219E-05    0.000000
   42   1.2519328E-05    0.000000
   43   1.2206430E-05    0.000000
   44   1.1893523E-05    0.000000
   45   1.1580608E-05    0.000000
   46   1.1267686E-05    0.000000
   47   1.0954758E-05    0.000000
   48   1.0641825E-05    0.000000
   49   1.0328885E-05    0.000000
   50   1.0015932E-05    0.000000
   51   9.7029966E-06    0.000000
   52   9.3900411E-06    0.000000
   53   9.0770810E-06    0.000000
   54   8.7641166E-06    0.000000
   55   8.4511481E-06    0.000000
   56   8.1381758E-06    0.000000
   57   7.8251997E-06    0.000000
   58   7.5122203E-06    0.000000
   59   7.1992375E-06    0.000000
   60   6.8862516E-06    0.000000
   61   6.5732628E-06    0.000000
   62   6.2602711E-06    0.000000
   63   5.9472768E-06    0.000000
   64   5.6342800E-06    0.000000
   65   5.3212807E-06    0.000000
   66   5.0082791E-06    0.000000
   67   4.6952754E-06    0.000000
   68   4.3822696E-06    0.000000
   69   6.0357481E-07    0.000000
   70   5.5714769E-07    0.000000
   71   5.1072026E-07    0.000000
   72   4.6429255E-07    0.000000
   73   4.1786456E-07    0.000000
   74   3.7143631E-07    0.000000
   75   3.2500781E-07    0.000000
   76   2.7857908E-07    0.000000
   77   2.3215012E-07    0.000000
   78   1.8572095E-07    0.000000
   79   1.3929157E-07    0.000000
   80   9.2862006E-08    0.000000
   81   4.6432252E-08    0.000000
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:43                                               |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                          :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      2.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000       0.000       0.000       0.000       6.080       3.040          UL-RL  5.7349E+04 -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.6127       0.000       3.800       3.064       9.880       4.940          UL-RL  5.7349E+04 -0.5200       0.000
1.000       1.000       3.064       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.020       0.000       7.600       5.098       13.68       6.840          UL-RL  5.7349E+04 -0.7200       0.000
1.000       1.000       5.098       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.412       0.000       11.40       7.058       17.48       8.740          UL-RL  5.7349E+04 -0.9200       0.000
1.000       1.000       7.058       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.798       0.000       15.20       8.992       21.28       10.64          UL-RL  5.7349E+04  -1.120       0.000
1.000       1.000       8.992       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   2.183       0.000       19.00       10.91       25.08       12.54          UL-RL  5.7349E+04  -1.320       0.000
1.000       1.000       10.91       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.566       0.000       22.80       12.83       28.88       14.44          UL-RL  5.7349E+04  -1.520       0.000
1.000       1.000       12.83       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   2.948       0.000       26.60       14.74       32.68       16.34          UL-RL  5.7349E+04  -1.720       0.000
1.000       1.000       14.74       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.330       0.000       30.40       16.65       36.48       18.24          UL-RL  5.7349E+04  -1.920       0.000
1.000       1.000       16.65       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   3.712       0.000       34.20       18.56       40.28       20.14          UL-RL  5.7349E+04  -2.120       0.000
1.000       1.000       18.56       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   4.093       0.000       38.00       20.46       44.08       22.04          UL-RL  5.7349E+04  -2.320       0.000
1.000       1.000       20.46       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.474       0.000       41.80       22.37       47.88       23.94          UL-RL  5.7349E+04  -2.520       0.000
1.000       1.000       22.37       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   4.854       0.000       45.60       24.27       51.68       25.84          UL-RL  5.7349E+04  -2.720       0.000
1.000       1.000       24.27       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.235       0.000       49.40       26.18       55.48       27.74          UL-RL  5.7349E+04  -2.920       0.000
1.000       1.000       26.18       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.616       0.000       53.20       28.08       59.28       29.64          UL-RL  5.7349E+04  -3.120       0.000
1.000       1.000       28.08       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   5.996       0.000       57.00       29.98       63.08       31.54          UL-RL  5.7349E+04  -3.320       0.000
1.000       1.000       29.98       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.377       0.000       60.80       31.88       66.88       33.44          UL-RL  5.7349E+04  -3.520       0.000
1.000       1.000       31.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   6.757       0.000       64.60       33.79       70.68       35.34          UL-RL  5.7349E+04  -3.720       0.000
1.000       1.000       33.79       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   7.138       0.000       68.40       35.69       74.48       37.24          UL-RL  5.7349E+04  -3.920       0.000
1.000       1.000       35.69       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.518       0.000       72.20       37.59       78.28       39.14          UL-RL  5.7349E+04  -4.120       0.000
1.000       1.000       37.59       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   7.898       0.000       76.00       39.49       82.08       41.04          UL-RL  5.7349E+04  -4.320       0.000
1.000       1.000       39.49       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   8.316     -1.0678E-05   78.02       39.81       84.10       42.05          UL-RL  6.5404E+04  -4.520       1.776
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1.000       1.000       41.58       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   8.792     -1.8462E-05   79.85       40.21       85.93       42.97          UL-RL  6.5404E+04  -4.720       3.750
1.000       1.000       43.96       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   9.373     -1.8149E-05   81.68       41.14       87.76       43.88          UL-RL  6.5404E+04  -4.920       5.724
1.000       1.000       46.87       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   9.955     -1.7837E-05   83.50       42.08       89.58       44.79          UL-RL  6.5404E+04  -5.120       7.698
1.000       1.000       49.78       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   10.54     -1.7524E-05   85.33       43.01       91.41       45.70          UL-RL  6.5404E+04  -5.320       9.672
1.000       1.000       52.68       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   11.12     -1.7211E-05   87.15       43.95       93.23       46.62          UL-RL  6.5404E+04  -5.520       11.65
1.000       1.000       55.59       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   11.70     -1.6899E-05   88.98       44.88       95.06       47.53          UL-RL  6.5404E+04  -5.720       13.62
1.000       1.000       58.50       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   12.28     -1.6586E-05   90.81       45.81       96.89       48.44          UL-RL  6.5404E+04  -5.920       15.59
1.000       1.000       61.41       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   12.86     -1.6273E-05   92.63       46.75       98.71       49.36          UL-RL  6.5404E+04  -6.120       17.57
1.000       1.000       64.32       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   13.44     -1.5961E-05   94.46       47.68       100.5       50.27          UL-RL  6.5404E+04  -6.320       19.54
1.000       1.000       67.22       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   14.03     -1.5648E-05   96.28       48.62       102.4       51.18          UL-RL  6.5404E+04  -6.520       21.52
1.000       1.000       70.13       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   14.61     -1.5335E-05   98.11       49.55       104.2       52.10          UL-RL  6.5404E+04  -6.720       23.49
1.000       1.000       73.04       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   15.19     -1.5022E-05   99.94       50.48       106.0       53.01          UL-RL  6.5404E+04  -6.920       25.46
1.000       1.000       75.95       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   15.77     -1.4709E-05   101.8       51.42       107.8       53.92          UL-RL  6.5404E+04  -7.120       27.44
1.000       1.000       78.85       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   16.35     -1.4397E-05   103.6       52.35       109.7       54.83          UL-RL  6.5404E+04  -7.320       29.41
1.000       1.000       81.76       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   16.93     -1.4084E-05   105.4       53.28       111.5       55.75          UL-RL  6.5404E+04  -7.520       31.39
1.000       1.000       84.67       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   17.52     -1.3771E-05   107.2       54.22       113.3       56.66          UL-RL  6.5404E+04  -7.720       33.36
1.000       1.000       87.58       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   18.10     -1.3458E-05   109.1       55.15       115.1       57.57          UL-RL  6.5404E+04  -7.920       35.33
1.000       1.000       90.49       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   18.68     -1.3145E-05   110.9       56.09       117.0       58.49          UL-RL  6.5404E+04  -8.120       37.31
1.000       1.000       93.39       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   19.26     -1.2832E-05   112.7       57.02       118.8       59.40          UL-RL  6.5404E+04  -8.320       39.28
1.000       1.000       96.30       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   19.84     -1.2519E-05   114.5       57.95       120.6       60.31          UL-RL  6.5404E+04  -8.520       41.26
1.000       1.000       99.21       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   20.42     -1.2206E-05   116.4       58.89       122.5       61.23          UL-RL  6.5404E+04  -8.720       43.23
1.000       1.000       102.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   21.00     -1.1894E-05   118.2       59.82       124.3       62.14          UL-RL  6.5404E+04  -8.920       45.20
1.000       1.000       105.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   21.59     -1.1581E-05   120.0       60.76       126.1       63.05          UL-RL  6.5404E+04  -9.120       47.18
1.000       1.000       107.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   22.17     -1.1268E-05   121.8       61.69       127.9       63.96          UL-RL  6.5404E+04  -9.320       49.15
1.000       1.000       110.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   22.75     -1.0955E-05   123.7       62.62       129.8       64.88          UL-RL  6.5404E+04  -9.520       51.13
1.000       1.000       113.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   23.33     -1.0642E-05   125.5       63.56       131.6       65.79          UL-RL  6.5404E+04  -9.720       53.10
1.000       1.000       116.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   23.91     -1.0329E-05   127.3       64.49       133.4       66.70          UL-RL  6.5404E+04  -9.920       55.07
1.000       1.000       119.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   24.49     -1.0016E-05   129.2       65.42       135.2       67.62          UL-RL  6.5404E+04  -10.12       57.05
1.000       1.000       122.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   25.08     -9.7030E-06   131.0       66.36       137.1       68.53          UL-RL  6.5404E+04  -10.32       59.02
1.000       1.000       125.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   25.66     -9.3900E-06   132.8       67.29       138.9       69.44          UL-RL  6.5404E+04  -10.52       61.00
1.000       1.000       128.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   26.24     -9.0771E-06   134.6       68.22       140.7       70.36          UL-RL  6.5404E+04  -10.72       62.97
1.000       1.000       131.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   26.82     -8.7641E-06   136.5       69.16       142.5       71.27          UL-RL  6.5404E+04  -10.92       64.94
1.000       1.000       134.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   27.40     -8.4511E-06   138.3       70.09       144.4       72.18          UL-RL  6.5404E+04  -11.12       66.92
1.000       1.000       137.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   27.98     -8.1382E-06   140.1       71.03       146.2       73.09          UL-RL  6.5404E+04  -11.32       68.89
1.000       1.000       139.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   28.56     -7.8252E-06   141.9       71.96       148.0       74.01          UL-RL  6.5404E+04  -11.52       70.86
1.000       1.000       142.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   29.15     -7.5122E-06   143.8       72.89       149.8       74.92          UL-RL  6.5404E+04  -11.72       72.84
1.000       1.000       145.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   29.73     -7.1992E-06   145.6       73.83       151.7       75.83          UL-RL  6.5404E+04  -11.92       74.81
1.000       1.000       148.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   30.31     -6.8863E-06   147.4       74.76       153.5       76.75          UL-RL  6.5404E+04  -12.12       76.79
1.000       1.000       151.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   30.89     -6.5733E-06   149.2       75.69       155.3       77.66          UL-RL  6.5404E+04  -12.32       78.76
1.000       1.000       154.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   31.47     -6.2603E-06   151.1       76.63       157.1       78.57          UL-RL  6.5404E+04  -12.52       80.73
1.000       1.000       157.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   32.05     -5.9473E-06   152.9       77.56       159.0       79.49          UL-RL  6.5404E+04  -12.72       82.71
1.000       1.000       160.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   32.64     -5.6343E-06   154.7       78.50       160.8       80.40          UL-RL  6.5404E+04  -12.92       84.68
1.000       1.000       163.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   33.22     -5.3213E-06   156.5       79.43       162.6       81.31          UL-RL  6.5404E+04  -13.12       86.66
1.000       1.000       166.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   33.80     -5.0083E-06   158.4       80.36       164.4       82.22          UL-RL  6.5404E+04  -13.32       88.63
1.000       1.000       169.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   34.38     -4.6953E-06   160.2       81.30       166.3       83.14          UL-RL  6.5404E+04  -13.52       90.60
1.000       1.000       171.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   34.96     -4.3823E-06   162.0       82.23       168.1       84.05          UL-RL  6.5404E+04  -13.72       92.58
1.000       1.000       174.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   35.54     -6.0357E-07   163.9       83.17       169.9       84.97          UL-RL  4.4454E+05  -13.92       94.55
1.000       1.000       177.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   36.15     -5.5715E-07   165.9       84.21       172.0       85.99          UL-RL  4.4454E+05  -14.12       96.53
1.000       1.000       180.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   36.75     -5.1072E-07   167.9       85.24       174.0       87.00          UL-RL  4.4454E+05  -14.32       98.50
1.000       1.000       183.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   37.35     -4.6429E-07   169.9       86.27       176.0       88.01          UL-RL  4.4454E+05  -14.52       100.5
1.000       1.000       186.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   37.95     -4.1786E-07   172.0       87.31       178.1       89.03          UL-RL  4.4454E+05  -14.72       102.4
1.000       1.000       189.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   38.55     -3.7144E-07   174.0       88.34       180.1       90.04          UL-RL  4.4454E+05  -14.92       104.4
1.000       1.000       192.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   39.15     -3.2501E-07   176.0       89.37       182.1       91.05          UL-RL  4.4454E+05  -15.12       106.4
1.000       1.000       195.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   39.76     -2.7858E-07   178.0       90.41       184.1       92.06          UL-RL  4.4454E+05  -15.32       108.4
1.000       1.000       198.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   40.36     -2.3215E-07   180.1       91.44       186.2       93.08          UL-RL  4.4454E+05  -15.52       110.3
1.000       1.000       201.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   40.96     -1.8572E-07   182.1       92.48       188.2       94.09          UL-RL  4.4454E+05  -15.72       112.3
1.000       1.000       204.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   41.56     -1.3929E-07   184.1       93.51       190.2       95.10          UL-RL  4.4454E+05  -15.92       114.3
1.000       1.000       207.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   42.16     -9.2862E-08   186.2       94.54       192.2       96.12          UL-RL  4.4454E+05  -16.12       116.3
1.000       1.000       210.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   42.76     -4.6432E-08   188.2       95.58       194.3       97.13          UL-RL  4.4454E+05  -16.32       118.2
1.000       1.000       213.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   21.68       0.000       190.2       96.61       196.3       98.14          UL-RL  4.4454E+05  -16.52       120.2
1.000       1.000       216.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                            ParatiePlus                                                                |
|                                  Exe Time :28 January 2022   10:29:43                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      2.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                             ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000       0.000       0.000       0.000       6.080       3.040          UL-RL  6.0545E+04 -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.6127       0.000       3.800       3.064       9.880       4.940          UL-RL  6.0545E+04 -0.5200       0.000
1.000       1.000       3.064       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.020       0.000       7.600       5.098       13.68       6.840          UL-RL  6.0545E+04 -0.7200       0.000
1.000       1.000       5.098       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.412       0.000       11.40       7.058       17.48       8.740          UL-RL  6.0545E+04 -0.9200       0.000
1.000       1.000       7.058       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.798       0.000       15.20       8.992       21.28       10.64          UL-RL  6.0545E+04  -1.120       0.000
1.000       1.000       8.992       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   2.183       0.000       19.00       10.91       25.08       12.54          UL-RL  6.0545E+04  -1.320       0.000
1.000       1.000       10.91       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.566       0.000       22.80       12.83       28.88       14.44          UL-RL  6.0545E+04  -1.520       0.000
1.000       1.000       12.83       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   2.948       0.000       26.60       14.74       32.68       16.34          UL-RL  6.0545E+04  -1.720       0.000
1.000       1.000       14.74       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.330       0.000       30.40       16.65       36.48       18.24          UL-RL  6.0545E+04  -1.920       0.000
1.000       1.000       16.65       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   3.712       0.000       34.20       18.56       40.28       20.14          UL-RL  6.0545E+04  -2.120       0.000
1.000       1.000       18.56       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   4.093       0.000       38.00       20.46       44.08       22.04          UL-RL  6.0545E+04  -2.320       0.000
1.000       1.000       20.46       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.474       0.000       41.80       22.37       47.88       23.94          UL-RL  6.0545E+04  -2.520       0.000
1.000       1.000       22.37       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   4.854       0.000       45.60       24.27       51.68       25.84          UL-RL  6.0545E+04  -2.720       0.000
1.000       1.000       24.27       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.235       0.000       49.40       26.18       55.48       27.74          UL-RL  6.0545E+04  -2.920       0.000
1.000       1.000       26.18       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.616       0.000       53.20       28.08       59.28       29.64          UL-RL  6.0545E+04  -3.120       0.000
1.000       1.000       28.08       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   5.996       0.000       57.00       29.98       63.08       31.54          UL-RL  6.0545E+04  -3.320       0.000
1.000       1.000       29.98       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.377       0.000       60.80       31.88       66.88       33.44          UL-RL  6.0545E+04  -3.520       0.000
1.000       1.000       31.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   6.757       0.000       64.60       33.79       70.68       35.34          UL-RL  6.0545E+04  -3.720       0.000
1.000       1.000       33.79       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   7.138       0.000       68.40       35.69       74.48       37.24          UL-RL  6.0545E+04  -3.920       0.000
1.000       1.000       35.69       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.518       0.000       72.20       37.59       78.28       39.14          UL-RL  6.0545E+04  -4.120       0.000
1.000       1.000       37.59       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   7.898       0.000       76.00       39.49       82.08       41.04          UL-RL  6.0545E+04  -4.320       0.000
1.000       1.000       39.49       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   8.316      1.0678E-05   79.80       41.58       85.88       43.13          UL-RL  5.3089E+04  -4.520       0.000
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1.000       1.000       41.58       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   8.792       1.8462E-05  82.92       43.28       89.00       44.83          UL-RL  5.3089E+04  -4.720       0.6798
1.000       1.000       43.96       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   9.373       1.8149E-05  84.69       44.16       90.77       45.71          UL-RL  5.3089E+04  -4.920       2.706
1.000       1.000       46.87       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   9.955       1.7837E-05  86.47       45.04       92.55       46.59          UL-RL  5.3089E+04  -5.120       4.732
1.000       1.000       49.78       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   10.54       1.7524E-05  88.24       45.93       94.32       47.47          UL-RL  5.3089E+04  -5.320       6.758
1.000       1.000       52.68       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   11.12       1.7211E-05  90.02       46.81       96.10       48.35          UL-RL  5.3089E+04  -5.520       8.784
1.000       1.000       55.59       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   11.70       1.6899E-05  91.79       47.69       97.87       49.23          UL-RL  5.3089E+04  -5.720       10.81
1.000       1.000       58.50       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   12.28       1.6586E-05  93.56       48.57       99.64       50.12          UL-RL  5.3089E+04  -5.920       12.84
1.000       1.000       61.41       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   12.86       1.6273E-05  95.34       49.45       101.4       51.00          UL-RL  5.3089E+04  -6.120       14.86
1.000       1.000       64.32       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   13.44       1.5961E-05  97.11       50.34       103.2       51.88          UL-RL  5.3089E+04  -6.320       16.89
1.000       1.000       67.22       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   14.03       1.5648E-05  98.89       51.22       105.0       52.76          UL-RL  5.3089E+04  -6.520       18.91
1.000       1.000       70.13       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   14.61       1.5335E-05  100.7       52.10       106.7       53.64          UL-RL  5.3089E+04  -6.720       20.94
1.000       1.000       73.04       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   15.19       1.5022E-05  102.4       52.98       108.5       54.52          UL-RL  5.3089E+04  -6.920       22.97
1.000       1.000       75.95       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   15.77       1.4709E-05  104.2       53.86       110.3       55.40          UL-RL  5.3089E+04  -7.120       24.99
1.000       1.000       78.85       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   16.35       1.4397E-05  106.0       54.74       112.1       56.29          UL-RL  5.3089E+04  -7.320       27.02
1.000       1.000       81.76       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   16.93       1.4084E-05  107.8       55.63       113.8       57.17          UL-RL  5.3089E+04  -7.520       29.04
1.000       1.000       84.67       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   17.52       1.3771E-05  109.5       56.51       115.6       58.05          UL-RL  5.3089E+04  -7.720       31.07
1.000       1.000       87.58       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   18.10       1.3458E-05  111.3       57.39       117.4       58.93          UL-RL  5.3089E+04  -7.920       33.10
1.000       1.000       90.49       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   18.68       1.3145E-05  113.1       58.27       119.2       59.81          UL-RL  5.3089E+04  -8.120       35.12
1.000       1.000       93.39       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   19.26       1.2832E-05  114.9       59.15       120.9       60.69          UL-RL  5.3089E+04  -8.320       37.15
1.000       1.000       96.30       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   19.84       1.2519E-05  116.6       60.04       122.7       61.57          UL-RL  5.3089E+04  -8.520       39.17
1.000       1.000       99.21       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   20.42       1.2206E-05  118.4       60.92       124.5       62.46          UL-RL  5.3089E+04  -8.720       41.20
1.000       1.000       102.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   21.00       1.1894E-05  120.2       61.80       126.3       63.34          UL-RL  5.3089E+04  -8.920       43.23
1.000       1.000       105.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   21.59       1.1581E-05  121.9       62.68       128.0       64.22          UL-RL  5.3089E+04  -9.120       45.25
1.000       1.000       107.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   22.17       1.1268E-05  123.7       63.56       129.8       65.10          UL-RL  5.3089E+04  -9.320       47.28
1.000       1.000       110.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   22.75       1.0955E-05  125.5       64.44       131.6       65.98          UL-RL  5.3089E+04  -9.520       49.30
1.000       1.000       113.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   23.33       1.0642E-05  127.3       65.33       133.3       66.86          UL-RL  5.3089E+04  -9.720       51.33
1.000       1.000       116.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   23.91       1.0329E-05  129.0       66.21       135.1       67.74          UL-RL  5.3089E+04  -9.920       53.36
1.000       1.000       119.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   24.49       1.0016E-05  130.8       67.09       136.9       68.63          UL-RL  5.3089E+04  -10.12       55.38
1.000       1.000       122.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   25.08       9.7030E-06  132.6       67.97       138.7       69.51          UL-RL  5.3089E+04  -10.32       57.41
1.000       1.000       125.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   25.66       9.3900E-06  134.4       68.85       140.4       70.39          UL-RL  5.3089E+04  -10.52       59.43
1.000       1.000       128.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   26.24      9.0771E-06   136.1       69.73       142.2       71.27          UL-RL  5.3089E+04  -10.72       61.46
1.000       1.000       131.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   26.82      8.7641E-06   137.9       70.62       144.0       72.15          UL-RL  5.3089E+04  -10.92       63.49
1.000       1.000       134.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   27.40      8.4511E-06   139.7       71.50       145.8       73.03          UL-RL  5.3089E+04  -11.12       65.51
1.000       1.000       137.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   27.98      8.1382E-06   141.5       72.38       147.5       73.91          UL-RL  5.3089E+04  -11.32       67.54
1.000       1.000       139.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   28.56      7.8252E-06   143.2       73.26       149.3       74.80          UL-RL  5.3089E+04  -11.52       69.56
1.000       1.000       142.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   29.15      7.5122E-06   145.0       74.14       151.1       75.68          UL-RL  5.3089E+04  -11.72       71.59
1.000       1.000       145.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   29.73      7.1992E-06   146.8       75.02       152.9       76.56          UL-RL  5.3089E+04  -11.92       73.62
1.000       1.000       148.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   30.31      6.8863E-06   148.6       75.91       154.6       77.44          UL-RL  5.3089E+04  -12.12       75.64
1.000       1.000       151.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   30.89      6.5733E-06   150.3       76.79       156.4       78.32          UL-RL  5.3089E+04  -12.32       77.67
1.000       1.000       154.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   31.47      6.2603E-06   152.1       77.67       158.2       79.20          UL-RL  5.3089E+04  -12.52       79.69
1.000       1.000       157.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   32.05      5.9473E-06   153.9       78.55       160.0       80.09          UL-RL  5.3089E+04  -12.72       81.72
1.000       1.000       160.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   32.64      5.6343E-06   155.7       79.43       161.7       80.97          UL-RL  5.3089E+04  -12.92       83.75
1.000       1.000       163.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   33.22      5.3213E-06   157.4       80.31       163.5       81.85          UL-RL  5.3089E+04  -13.12       85.77
1.000       1.000       166.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   33.80      5.0083E-06   159.2       81.20       165.3       82.73          UL-RL  5.3089E+04  -13.32       87.80
1.000       1.000       169.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   34.38      4.6953E-06   161.0       82.08       167.1       83.61          UL-RL  5.3089E+04  -13.52       89.82
1.000       1.000       171.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   34.96      4.3823E-06   162.7       82.96       168.8       84.49          UL-RL  5.3089E+04  -13.72       91.85
1.000       1.000       174.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   35.54      6.0357E-07   164.5       83.85       170.6       85.38          UL-RL  3.4715E+05  -13.92       93.88
1.000       1.000       177.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   36.15      5.5715E-07   166.5       84.83       172.6       86.36          UL-RL  3.4715E+05  -14.12       95.90
1.000       1.000       180.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   36.75      5.1072E-07   168.5       85.81       174.6       87.34          UL-RL  3.4715E+05  -14.32       97.93
1.000       1.000       183.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   37.35      4.6429E-07   170.5       86.79       176.5       88.33          UL-RL  3.4715E+05  -14.52       99.95
1.000       1.000       186.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   37.95      4.1786E-07   172.4       87.77       178.5       89.31          UL-RL  3.4715E+05  -14.72       102.0
1.000       1.000       189.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   38.55      3.7144E-07   174.4       88.76       180.5       90.29          UL-RL  3.4715E+05  -14.92       104.0
1.000       1.000       192.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   39.15      3.2501E-07   176.4       89.74       182.5       91.27          UL-RL  3.4715E+05  -15.12       106.0
1.000       1.000       195.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   39.76      2.7858E-07   178.4       90.72       184.4       92.25          UL-RL  3.4715E+05  -15.32       108.1
1.000       1.000       198.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   40.36      2.3215E-07   180.3       91.70       186.4       93.23          UL-RL  3.4715E+05  -15.52       110.1
1.000       1.000       201.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   40.96      1.8572E-07   182.3       92.68       188.4       94.22          UL-RL  3.4715E+05  -15.72       112.1
1.000       1.000       204.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   41.56      1.3929E-07   184.3       93.67       190.4       95.20          UL-RL  3.4715E+05  -15.92       114.1
1.000       1.000       207.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   42.16      9.2862E-08   186.3       94.65       192.3       96.18          UL-RL  3.4715E+05  -16.12       116.2
1.000       1.000       210.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   42.76      4.6432E-08   188.2       95.63       194.3       97.16          UL-RL  3.4715E+05  -16.32       118.2
1.000       1.000       213.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   21.68       0.000       190.2       96.61       196.3       98.14          UL-RL  3.4715E+05  -16.52       120.2
1.000       1.000       216.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:43                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099                                          :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   81
C U R R E N T   T I M E   I S      2.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9151E+05 RIMNOR= 0.000
           RENORM=0.9466E-27 REMNOR= 0.000     RATIO =0.1017E-15 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 42.76     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9151E+05 RDR   = 0.000
           RATIOT=0.1017E-15 RATIOR= 0.000
           MAX UN=0.7105E-14 IEQ=   147 NODE     74 DOF   1  Y-DISPL.F
           MIN UN=-.1421E-13 IEQ=   139 NODE     70 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9151E+05 RIMNOR= 0.000
           RENORM=0.4857E-20 REMNOR=0.2464E-22 RATIO =0.2304E-12 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 42.76     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9151E+05 RDR   = 0.000
           RATIOT=0.2304E-12 RATIOR= 0.000
           MAX UN=0.2489E-10 IEQ=    53 NODE     27 DOF   1  Y-DISPL.F
           MIN UN=-.2472E-10 IEQ=    63 NODE     32 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9151E+05 RIMNOR= 0.000
           RENORM=0.6144E-20 REMNOR=0.2002E-22 RATIO =0.2591E-12 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 42.76     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9151E+05 RDR   = 0.000
           RATIOT=0.2591E-12 RATIOR= 0.000
           MAX UN=0.2493E-10 IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           MIN UN=-.2480E-10 IEQ=    61 NODE     31 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                Exe Time :28 January 2022   10:29:43                                                   |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    3     ( AT TIME   3.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
   22   1.0678356E-05  -4.3485821E-21
   23   1.8461849E-05  -4.5066281E-21
   24   1.8149279E-05  -4.6501858E-21
   25   1.7836677E-05  -4.7711331E-21
   26   1.7524045E-05  -4.8684568E-21
   27   1.7211385E-05  -4.9409565E-21
   28   1.6898701E-05  -4.9875726E-21
   29   1.6585993E-05  -5.0146712E-21
   30   1.6273265E-05  -5.0284240E-21
   31   1.5960517E-05  -5.0202325E-21
   32   1.5647750E-05  -4.9958782E-21
   33   1.5334967E-05  -4.9682355E-21
   34   1.5022167E-05  -4.9357381E-21
   35   1.4709354E-05  -4.8969559E-21
   36   1.4396528E-05  -4.8648431E-21
   37   1.4083688E-05  -4.8375867E-21
   38   1.3770837E-05  -4.7987742E-21
   39   1.3457974E-05  -4.7319694E-21
   40   1.3145101E-05  -4.6205497E-21
   41   1.2832219E-05  -4.4624492E-21
   42   1.2519328E-05  -4.2555875E-21
   43   1.2206430E-05  -3.9978770E-21
   44   1.1893523E-05  -3.7018014E-21
   45   1.1580608E-05  -3.3796931E-21
   46   1.1267686E-05  -3.0293281E-21
   47   1.0954758E-05  -2.6485163E-21
   48   1.0641825E-05  -2.2349516E-21
   49   1.0328885E-05  -1.7863840E-21
   50   1.0015932E-05  -1.3297879E-21
   51   9.7029966E-06  -8.9212186E-22
   52   9.3900411E-06  -4.7120578E-22
   53   9.0770810E-06  -6.5067342E-23
   54   8.7641166E-06   3.2830655E-22
   55   8.4511481E-06   7.1093161E-22
   56   8.1381758E-06   1.0846461E-21
   57   7.8251997E-06   1.4510962E-21
   58   7.5122203E-06   1.8118855E-21
   59   7.1992375E-06   2.1685616E-21
   60   6.8862516E-06   2.5225192E-21
   61   6.5732628E-06   2.8749863E-21
   62   6.2602711E-06   3.2270927E-21
   63   5.9472768E-06   3.5943500E-21
   64   5.6342800E-06   3.9920619E-21
   65   5.3212807E-06   4.4208161E-21
   66   5.0082791E-06   4.8518109E-21
   67   4.6952754E-06   5.2268385E-21
   68   4.3822696E-06   5.5166547E-21
   69   6.0357481E-07   5.7209640E-21
   70   5.5714769E-07   5.8664446E-21
   71   5.1072026E-07   5.9477277E-21
   72   4.6429255E-07   5.9286333E-21
   73   4.1786456E-07   5.8296409E-21
   74   3.7143631E-07   5.6695551E-21
   75   3.2500781E-07   5.4946138E-21
   76   2.7857908E-07   5.3493071E-21
   77   2.3215012E-07   5.2180488E-21
   78   1.8572095E-07   5.0835011E-21
   79   1.3929157E-07   4.9557093E-21
   80   9.2862006E-08   4.8720851E-21
   81   4.6432252E-08   4.8391085E-21
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:43                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                        :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      3.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -1.1035E-20   0.000       0.000       6.080       3.040          ACTIVE   0.000     -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.6127     -1.0451E-20   3.800       3.064       9.880       4.940          UL-RL  5.7349E+04 -0.5200       0.000
1.000       1.000       3.064       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.020     -9.8656E-21   7.600       5.098       13.68       6.840          UL-RL  5.7349E+04 -0.7200       0.000
1.000       1.000       5.098       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.412     -9.2801E-21   11.40       7.058       17.48       8.740          UL-RL  5.7349E+04 -0.9200       0.000
1.000       1.000       7.058       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.798     -8.6931E-21   15.20       8.992       21.28       10.64          UL-RL  5.7349E+04  -1.120       0.000
1.000       1.000       8.992       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   2.183     -8.1038E-21   19.00       10.91       25.08       12.54          UL-RL  5.7349E+04  -1.320       0.000
1.000       1.000       10.91       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.566     -7.5108E-21   22.80       12.83       28.88       14.44          UL-RL  5.7349E+04  -1.520       0.000
1.000       1.000       12.83       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   2.948     -6.9130E-21   26.60       14.74       32.68       16.34          UL-RL  5.7349E+04  -1.720       0.000
1.000       1.000       14.74       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.330     -6.3088E-21   30.40       16.65       36.48       18.24          UL-RL  5.7349E+04  -1.920       0.000
1.000       1.000       16.65       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   3.712     -5.6967E-21   34.20       18.56       40.28       20.14          UL-RL  5.7349E+04  -2.120       0.000
1.000       1.000       18.56       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   4.093     -5.0750E-21   38.00       20.46       44.08       22.04          UL-RL  5.7349E+04  -2.320       0.000
1.000       1.000       20.46       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.474     -4.4418E-21   41.80       22.37       47.88       23.94          UL-RL  5.7349E+04  -2.520       0.000
1.000       1.000       22.37       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   4.854     -3.7954E-21   45.60       24.27       51.68       25.84          UL-RL  5.7349E+04  -2.720       0.000
1.000       1.000       24.27       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.235     -3.1337E-21   49.40       26.18       55.48       27.74          UL-RL  5.7349E+04  -2.920       0.000
1.000       1.000       26.18       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.616     -2.4549E-21   53.20       28.08       59.28       29.64          UL-RL  5.7349E+04  -3.120       0.000
1.000       1.000       28.08       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   5.996     -1.7569E-21   57.00       29.98       63.08       31.54          UL-RL  5.7349E+04  -3.320       0.000
1.000       1.000       29.98       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.377     -1.0378E-21   60.80       31.88       66.88       33.44          UL-RL  5.7349E+04  -3.520       0.000
1.000       1.000       31.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   6.757     -2.9550E-22   64.60       33.79       70.68       35.34          UL-RL  5.7349E+04  -3.720       0.000
1.000       1.000       33.79       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   7.138      4.7188E-22   68.40       35.69       74.48       37.24          UL-RL  5.7349E+04  -3.920       0.000
1.000       1.000       35.69       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.518      1.2663E-21   72.20       37.59       78.28       39.14          UL-RL  5.7349E+04  -4.120       0.000
1.000       1.000       37.59       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   7.898      2.0895E-21   76.00       39.49       82.08       41.04          UL-RL  5.7349E+04  -4.320       0.000
1.000       1.000       39.49       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   8.316     -1.0678E-05   78.02       39.81       84.10       42.05          UL-RL  6.5404E+04  -4.520       1.776
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1.000       1.000       41.58       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   8.792     -1.8462E-05   79.85       40.21       85.93       42.97          UL-RL  6.5404E+04  -4.720       3.750
1.000       1.000       43.96       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   9.373     -1.8149E-05   81.68       41.14       87.76       43.88          UL-RL  6.5404E+04  -4.920       5.724
1.000       1.000       46.87       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   9.955     -1.7837E-05   83.50       42.08       89.58       44.79          UL-RL  6.5404E+04  -5.120       7.698
1.000       1.000       49.78       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   10.54     -1.7524E-05   85.33       43.01       91.41       45.70          UL-RL  6.5404E+04  -5.320       9.672
1.000       1.000       52.68       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   11.12     -1.7211E-05   87.15       43.95       93.23       46.62          UL-RL  6.5404E+04  -5.520       11.65
1.000       1.000       55.59       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   11.70     -1.6899E-05   88.98       44.88       95.06       47.53          UL-RL  6.5404E+04  -5.720       13.62
1.000       1.000       58.50       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   12.28     -1.6586E-05   90.81       45.81       96.89       48.44          UL-RL  6.5404E+04  -5.920       15.59
1.000       1.000       61.41       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   12.86     -1.6273E-05   92.63       46.75       98.71       49.36          UL-RL  6.5404E+04  -6.120       17.57
1.000       1.000       64.32       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   13.44     -1.5961E-05   94.46       47.68       100.5       50.27          UL-RL  6.5404E+04  -6.320       19.54
1.000       1.000       67.22       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   14.03     -1.5648E-05   96.28       48.62       102.4       51.18          UL-RL  6.5404E+04  -6.520       21.52
1.000       1.000       70.13       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   14.61     -1.5335E-05   98.11       49.55       104.2       52.10          UL-RL  6.5404E+04  -6.720       23.49
1.000       1.000       73.04       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   15.19     -1.5022E-05   99.94       50.48       106.0       53.01          UL-RL  6.5404E+04  -6.920       25.46
1.000       1.000       75.95       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   15.77     -1.4709E-05   101.8       51.42       107.8       53.92          UL-RL  6.5404E+04  -7.120       27.44
1.000       1.000       78.85       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   16.35     -1.4397E-05   103.6       52.35       109.7       54.83          UL-RL  6.5404E+04  -7.320       29.41
1.000       1.000       81.76       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   16.93     -1.4084E-05   105.4       53.28       111.5       55.75          UL-RL  6.5404E+04  -7.520       31.39
1.000       1.000       84.67       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   17.52     -1.3771E-05   107.2       54.22       113.3       56.66          UL-RL  6.5404E+04  -7.720       33.36
1.000       1.000       87.58       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   18.10     -1.3458E-05   109.1       55.15       115.1       57.57          UL-RL  6.5404E+04  -7.920       35.33
1.000       1.000       90.49       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   18.68     -1.3145E-05   110.9       56.09       117.0       58.49          UL-RL  6.5404E+04  -8.120       37.31
1.000       1.000       93.39       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   19.26     -1.2832E-05   112.7       57.02       118.8       59.40          UL-RL  6.5404E+04  -8.320       39.28
1.000       1.000       96.30       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   19.84     -1.2519E-05   114.5       57.95       120.6       60.31          UL-RL  6.5404E+04  -8.520       41.26
1.000       1.000       99.21       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   20.42     -1.2206E-05   116.4       58.89       122.5       61.23          UL-RL  6.5404E+04  -8.720       43.23
1.000       1.000       102.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   21.00     -1.1894E-05   118.2       59.82       124.3       62.14          UL-RL  6.5404E+04  -8.920       45.20
1.000       1.000       105.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   21.59     -1.1581E-05   120.0       60.76       126.1       63.05          UL-RL  6.5404E+04  -9.120       47.18
1.000       1.000       107.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   22.17     -1.1268E-05   121.8       61.69       127.9       63.96          UL-RL  6.5404E+04  -9.320       49.15
1.000       1.000       110.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   22.75     -1.0955E-05   123.7       62.62       129.8       64.88          UL-RL  6.5404E+04  -9.520       51.13
1.000       1.000       113.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   23.33     -1.0642E-05   125.5       63.56       131.6       65.79          UL-RL  6.5404E+04  -9.720       53.10
1.000       1.000       116.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   23.91     -1.0329E-05   127.3       64.49       133.4       66.70          UL-RL  6.5404E+04  -9.920       55.07
1.000       1.000       119.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   24.49     -1.0016E-05   129.2       65.42       135.2       67.62          UL-RL  6.5404E+04  -10.12       57.05
1.000       1.000       122.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   25.08     -9.7030E-06   131.0       66.36       137.1       68.53          UL-RL  6.5404E+04  -10.32       59.02
1.000       1.000       125.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   25.66     -9.3900E-06   132.8       67.29       138.9       69.44          UL-RL  6.5404E+04  -10.52       61.00
1.000       1.000       128.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   26.24     -9.0771E-06   134.6       68.22       140.7       70.36          UL-RL  6.5404E+04  -10.72       62.97
1.000       1.000       131.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   26.82     -8.7641E-06   136.5       69.16       142.5       71.27          UL-RL  6.5404E+04  -10.92       64.94
1.000       1.000       134.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   27.40     -8.4511E-06   138.3       70.09       144.4       72.18          UL-RL  6.5404E+04  -11.12       66.92
1.000       1.000       137.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   27.98     -8.1382E-06   140.1       71.03       146.2       73.09          UL-RL  6.5404E+04  -11.32       68.89
1.000       1.000       139.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   28.56     -7.8252E-06   141.9       71.96       148.0       74.01          UL-RL  6.5404E+04  -11.52       70.86
1.000       1.000       142.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   29.15     -7.5122E-06   143.8       72.89       149.8       74.92          UL-RL  6.5404E+04  -11.72       72.84
1.000       1.000       145.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   29.73     -7.1992E-06   145.6       73.83       151.7       75.83          UL-RL  6.5404E+04  -11.92       74.81
1.000       1.000       148.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   30.31     -6.8863E-06   147.4       74.76       153.5       76.75          UL-RL  6.5404E+04  -12.12       76.79
1.000       1.000       151.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   30.89     -6.5733E-06   149.2       75.69       155.3       77.66          UL-RL  6.5404E+04  -12.32       78.76
1.000       1.000       154.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   31.47     -6.2603E-06   151.1       76.63       157.1       78.57          UL-RL  6.5404E+04  -12.52       80.73
1.000       1.000       157.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   32.05     -5.9473E-06   152.9       77.56       159.0       79.49          UL-RL  6.5404E+04  -12.72       82.71
1.000       1.000       160.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   32.64     -5.6343E-06   154.7       78.50       160.8       80.40          UL-RL  6.5404E+04  -12.92       84.68
1.000       1.000       163.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   33.22     -5.3213E-06   156.5       79.43       162.6       81.31          UL-RL  6.5404E+04  -13.12       86.66
1.000       1.000       166.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   33.80     -5.0083E-06   158.4       80.36       164.4       82.22          UL-RL  6.5404E+04  -13.32       88.63
1.000       1.000       169.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   34.38     -4.6953E-06   160.2       81.30       166.3       83.14          UL-RL  6.5404E+04  -13.52       90.60
1.000       1.000       171.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   34.96     -4.3823E-06   162.0       82.23       168.1       84.05          UL-RL  6.5404E+04  -13.72       92.58
1.000       1.000       174.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   35.54     -6.0357E-07   163.9       83.17       169.9       84.97          UL-RL  4.4454E+05  -13.92       94.55
1.000       1.000       177.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   36.15     -5.5715E-07   165.9       84.21       172.0       85.99          UL-RL  4.4454E+05  -14.12       96.53
1.000       1.000       180.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   36.75     -5.1072E-07   167.9       85.24       174.0       87.00          UL-RL  4.4454E+05  -14.32       98.50
1.000       1.000       183.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   37.35     -4.6429E-07   169.9       86.27       176.0       88.01          UL-RL  4.4454E+05  -14.52       100.5
1.000       1.000       186.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   37.95     -4.1786E-07   172.0       87.31       178.1       89.03          UL-RL  4.4454E+05  -14.72       102.4
1.000       1.000       189.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   38.55     -3.7144E-07   174.0       88.34       180.1       90.04          UL-RL  4.4454E+05  -14.92       104.4
1.000       1.000       192.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   39.15     -3.2501E-07   176.0       89.37       182.1       91.05          UL-RL  4.4454E+05  -15.12       106.4
1.000       1.000       195.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   39.76     -2.7858E-07   178.0       90.41       184.1       92.06          UL-RL  4.4454E+05  -15.32       108.4
1.000       1.000       198.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   40.36     -2.3215E-07   180.1       91.44       186.2       93.08          UL-RL  4.4454E+05  -15.52       110.3
1.000       1.000       201.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   40.96     -1.8572E-07   182.1       92.48       188.2       94.09          UL-RL  4.4454E+05  -15.72       112.3
1.000       1.000       204.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   41.56     -1.3929E-07   184.1       93.51       190.2       95.10          UL-RL  4.4454E+05  -15.92       114.3
1.000       1.000       207.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   42.16     -9.2862E-08   186.2       94.54       192.2       96.12          UL-RL  4.4454E+05  -16.12       116.3
1.000       1.000       210.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   42.76     -4.6432E-08   188.2       95.58       194.3       97.13          UL-RL  4.4454E+05  -16.32       118.2
1.000       1.000       213.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   21.68      3.9247E-21   190.2       96.61       196.3       98.14          UL-RL  4.4454E+05  -16.52       120.2
1.000       1.000       216.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:43                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      3.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
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-----------------------------------------------
   1 D   0.000      1.1035E-20   0.000       0.000       6.080       3.040         PASSIVE   0.000     -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.6127      1.0451E-20   3.800       3.064       9.880       4.940          UL-RL  6.0545E+04 -0.5200       0.000
1.000       1.000       3.064       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.020      9.8656E-21   7.600       5.098       13.68       6.840          UL-RL  6.0545E+04 -0.7200       0.000
1.000       1.000       5.098       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.412      9.2801E-21   11.40       7.058       17.48       8.740          UL-RL  6.0545E+04 -0.9200       0.000
1.000       1.000       7.058       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.798      8.6931E-21   15.20       8.992       21.28       10.64          UL-RL  6.0545E+04  -1.120       0.000
1.000       1.000       8.992       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   2.183      8.1038E-21   19.00       10.91       25.08       12.54          UL-RL  6.0545E+04  -1.320       0.000
1.000       1.000       10.91       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.566      7.5108E-21   22.80       12.83       28.88       14.44          UL-RL  6.0545E+04  -1.520       0.000
1.000       1.000       12.83       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   2.948      6.9130E-21   26.60       14.74       32.68       16.34          UL-RL  6.0545E+04  -1.720       0.000
1.000       1.000       14.74       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.330      6.3088E-21   30.40       16.65       36.48       18.24          UL-RL  6.0545E+04  -1.920       0.000
1.000       1.000       16.65       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   3.712      5.6967E-21   34.20       18.56       40.28       20.14          UL-RL  6.0545E+04  -2.120       0.000
1.000       1.000       18.56       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   4.093      5.0750E-21   38.00       20.46       44.08       22.04          UL-RL  6.0545E+04  -2.320       0.000
1.000       1.000       20.46       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.474      4.4418E-21   41.80       22.37       47.88       23.94          UL-RL  6.0545E+04  -2.520       0.000
1.000       1.000       22.37       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   4.854      3.7954E-21   45.60       24.27       51.68       25.84          UL-RL  6.0545E+04  -2.720       0.000
1.000       1.000       24.27       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.235      3.1337E-21   49.40       26.18       55.48       27.74          UL-RL  6.0545E+04  -2.920       0.000
1.000       1.000       26.18       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.616      2.4549E-21   53.20       28.08       59.28       29.64          UL-RL  6.0545E+04  -3.120       0.000
1.000       1.000       28.08       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   5.996      1.7569E-21   57.00       29.98       63.08       31.54          UL-RL  6.0545E+04  -3.320       0.000
1.000       1.000       29.98       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.377      1.0378E-21   60.80       31.88       66.88       33.44          UL-RL  6.0545E+04  -3.520       0.000
1.000       1.000       31.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   6.757      2.9550E-22   64.60       33.79       70.68       35.34          UL-RL  6.0545E+04  -3.720       0.000
1.000       1.000       33.79       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   7.138     -4.7188E-22   68.40       35.69       74.48       37.24          UL-RL  6.0545E+04  -3.920       0.000
1.000       1.000       35.69       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.518     -1.2663E-21   72.20       37.59       78.28       39.14          UL-RL  6.0545E+04  -4.120       0.000
1.000       1.000       37.59       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   7.898     -2.0895E-21   76.00       39.49       82.08       41.04          UL-RL  6.0545E+04  -4.320       0.000
1.000       1.000       39.49       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   8.316      1.0678E-05   79.80       41.58       85.88       43.13          UL-RL  5.3089E+04  -4.520       0.000
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1.000       1.000       41.58       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D    8.792       1.8462E-05  82.92       43.28       89.00       44.83          UL-RL  5.3089E+04  -4.720       0.6798
1.000       1.000       43.96       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D    9.373       1.8149E-05  84.69       44.16       90.77       45.71          UL-RL  5.3089E+04  -4.920       2.706
1.000       1.000       46.87       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D    9.955       1.7837E-05  86.47       45.04       92.55       46.59          UL-RL  5.3089E+04  -5.120       4.732
1.000       1.000       49.78       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D    10.54       1.7524E-05  88.24       45.93       94.32       47.47          UL-RL  5.3089E+04  -5.320       6.758
1.000       1.000       52.68       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D    11.12       1.7211E-05  90.02       46.81       96.10       48.35          UL-RL  5.3089E+04  -5.520       8.784
1.000       1.000       55.59       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D    11.70       1.6899E-05  91.79       47.69       97.87       49.23          UL-RL  5.3089E+04  -5.720       10.81
1.000       1.000       58.50       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D    12.28       1.6586E-05  93.56       48.57       99.64       50.12          UL-RL  5.3089E+04  -5.920       12.84
1.000       1.000       61.41       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D    12.86       1.6273E-05  95.34       49.45       101.4       51.00          UL-RL  5.3089E+04  -6.120       14.86
1.000       1.000       64.32       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D    13.44       1.5961E-05  97.11       50.34       103.2       51.88          UL-RL  5.3089E+04  -6.320       16.89
1.000       1.000       67.22       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D    14.03       1.5648E-05  98.89       51.22       105.0       52.76          UL-RL  5.3089E+04  -6.520       18.91
1.000       1.000       70.13       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D    14.61       1.5335E-05  100.7       52.10       106.7       53.64          UL-RL  5.3089E+04  -6.720       20.94
1.000       1.000       73.04       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D    15.19       1.5022E-05  102.4       52.98       108.5       54.52          UL-RL  5.3089E+04  -6.920       22.97
1.000       1.000       75.95       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D    15.77       1.4709E-05  104.2       53.86       110.3       55.40          UL-RL  5.3089E+04  -7.120       24.99
1.000       1.000       78.85       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D    16.35       1.4397E-05  106.0       54.74       112.1       56.29          UL-RL  5.3089E+04  -7.320       27.02
1.000       1.000       81.76       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D    16.93       1.4084E-05  107.8       55.63       113.8       57.17          UL-RL  5.3089E+04  -7.520       29.04
1.000       1.000       84.67       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D    17.52       1.3771E-05  109.5       56.51       115.6       58.05          UL-RL  5.3089E+04  -7.720       31.07
1.000       1.000       87.58       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D    18.10       1.3458E-05  111.3       57.39       117.4       58.93          UL-RL  5.3089E+04  -7.920       33.10
1.000       1.000       90.49       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D    18.68       1.3145E-05  113.1       58.27       119.2       59.81          UL-RL  5.3089E+04  -8.120       35.12
1.000       1.000       93.39       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D    19.26       1.2832E-05  114.9       59.15       120.9       60.69          UL-RL  5.3089E+04  -8.320       37.15
1.000       1.000       96.30       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D    19.84       1.2519E-05  116.6       60.04       122.7       61.57          UL-RL  5.3089E+04  -8.520       39.17
1.000       1.000       99.21       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D    20.42       1.2206E-05  118.4       60.92       124.5       62.46          UL-RL  5.3089E+04  -8.720       41.20
1.000       1.000       102.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D    21.00       1.1894E-05  120.2       61.80       126.3       63.34          UL-RL  5.3089E+04  -8.920       43.23
1.000       1.000       105.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D    21.59       1.1581E-05  121.9       62.68       128.0       64.22          UL-RL  5.3089E+04  -9.120       45.25
1.000       1.000       107.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D    22.17       1.1268E-05  123.7       63.56       129.8       65.10          UL-RL  5.3089E+04  -9.320       47.28
1.000       1.000       110.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D    22.75       1.0955E-05  125.5       64.44       131.6       65.98          UL-RL  5.3089E+04  -9.520       49.30
1.000       1.000       113.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D    23.33       1.0642E-05  127.3       65.33       133.3       66.86          UL-RL  5.3089E+04  -9.720       51.33
1.000       1.000       116.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D    23.91       1.0329E-05  129.0       66.21       135.1       67.74          UL-RL  5.3089E+04  -9.920       53.36
1.000       1.000       119.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D    24.49       1.0016E-05  130.8       67.09       136.9       68.63          UL-RL  5.3089E+04  -10.12       55.38
1.000       1.000       122.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D    25.08       9.7030E-06  132.6       67.97       138.7       69.51          UL-RL  5.3089E+04  -10.32       57.41
1.000       1.000       125.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D    25.66       9.3900E-06  134.4       68.85       140.4       70.39          UL-RL  5.3089E+04  -10.52       59.43
1.000       1.000       128.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   26.24      9.0771E-06   136.1       69.73       142.2       71.27          UL-RL  5.3089E+04  -10.72       61.46
1.000       1.000       131.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   26.82      8.7641E-06   137.9       70.62       144.0       72.15          UL-RL  5.3089E+04  -10.92       63.49
1.000       1.000       134.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   27.40      8.4511E-06   139.7       71.50       145.8       73.03          UL-RL  5.3089E+04  -11.12       65.51
1.000       1.000       137.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   27.98      8.1382E-06   141.5       72.38       147.5       73.91          UL-RL  5.3089E+04  -11.32       67.54
1.000       1.000       139.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   28.56      7.8252E-06   143.2       73.26       149.3       74.80          UL-RL  5.3089E+04  -11.52       69.56
1.000       1.000       142.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   29.15      7.5122E-06   145.0       74.14       151.1       75.68          UL-RL  5.3089E+04  -11.72       71.59
1.000       1.000       145.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   29.73      7.1992E-06   146.8       75.02       152.9       76.56          UL-RL  5.3089E+04  -11.92       73.62
1.000       1.000       148.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   30.31      6.8863E-06   148.6       75.91       154.6       77.44          UL-RL  5.3089E+04  -12.12       75.64
1.000       1.000       151.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   30.89      6.5733E-06   150.3       76.79       156.4       78.32          UL-RL  5.3089E+04  -12.32       77.67
1.000       1.000       154.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   31.47      6.2603E-06   152.1       77.67       158.2       79.20          UL-RL  5.3089E+04  -12.52       79.69
1.000       1.000       157.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   32.05      5.9473E-06   153.9       78.55       160.0       80.09          UL-RL  5.3089E+04  -12.72       81.72
1.000       1.000       160.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   32.64      5.6343E-06   155.7       79.43       161.7       80.97          UL-RL  5.3089E+04  -12.92       83.75
1.000       1.000       163.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   33.22      5.3213E-06   157.4       80.31       163.5       81.85          UL-RL  5.3089E+04  -13.12       85.77
1.000       1.000       166.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   33.80      5.0083E-06   159.2       81.20       165.3       82.73          UL-RL  5.3089E+04  -13.32       87.80
1.000       1.000       169.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   34.38      4.6953E-06   161.0       82.08       167.1       83.61          UL-RL  5.3089E+04  -13.52       89.82
1.000       1.000       171.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   34.96      4.3823E-06   162.7       82.96       168.8       84.49          UL-RL  5.3089E+04  -13.72       91.85
1.000       1.000       174.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   35.54      6.0357E-07   164.5       83.85       170.6       85.38          UL-RL  3.4715E+05  -13.92       93.88
1.000       1.000       177.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   36.15      5.5715E-07   166.5       84.83       172.6       86.36          UL-RL  3.4715E+05  -14.12       95.90
1.000       1.000       180.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   36.75      5.1072E-07   168.5       85.81       174.6       87.34          UL-RL  3.4715E+05  -14.32       97.93
1.000       1.000       183.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   37.35      4.6429E-07   170.5       86.79       176.5       88.33          UL-RL  3.4715E+05  -14.52       99.95
1.000       1.000       186.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   37.95      4.1786E-07   172.4       87.77       178.5       89.31          UL-RL  3.4715E+05  -14.72       102.0
1.000       1.000       189.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   38.55      3.7144E-07   174.4       88.76       180.5       90.29          UL-RL  3.4715E+05  -14.92       104.0
1.000       1.000       192.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   39.15      3.2501E-07   176.4       89.74       182.5       91.27          UL-RL  3.4715E+05  -15.12       106.0
1.000       1.000       195.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   39.76      2.7858E-07   178.4       90.72       184.4       92.25          UL-RL  3.4715E+05  -15.32       108.1
1.000       1.000       198.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   40.36      2.3215E-07   180.3       91.70       186.4       93.23          UL-RL  3.4715E+05  -15.52       110.1
1.000       1.000       201.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   40.96      1.8572E-07   182.3       92.68       188.4       94.22          UL-RL  3.4715E+05  -15.72       112.1
1.000       1.000       204.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   41.56      1.3929E-07   184.3       93.67       190.4       95.20          UL-RL  3.4715E+05  -15.92       114.1
1.000       1.000       207.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   42.16      9.2862E-08   186.3       94.65       192.3       96.18          UL-RL  3.4715E+05  -16.12       116.2
1.000       1.000       210.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   42.76      4.6432E-08   188.2       95.63       194.3       97.16          UL-RL  3.4715E+05  -16.32       118.2
1.000       1.000       213.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   21.68     -3.9247E-21   190.2       96.61       196.3       98.14          UL-RL  3.4715E+05  -16.52       120.2
1.000       1.000       216.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:43                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099                                          :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   81
C U R R E N T   T I M E   I S      3.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

   EL      TA           TB           MA           MB
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    1 1.97909E-26-1.97909E-26 3.53410E-28 2.32241E-27
    2-3.58844E-16 3.58844E-16-1.81754E-27-7.17688E-17
    3-4.85652E-16 4.85652E-16 7.17688E-17-1.68899E-16
    4-6.02464E-16 6.02464E-16 1.68899E-16-2.89392E-16
    5-7.09265E-16 7.09265E-16 2.89392E-16-4.31245E-16
    6-8.06033E-16 8.06033E-16 4.31245E-16-5.92451E-16
    7-8.92737E-16 8.92737E-16 5.92451E-16-7.70999E-16
    8-9.69335E-16 9.69335E-16 7.70999E-16-9.64866E-16
    9-1.03578E-15 1.03578E-15 9.64866E-16-1.17202E-15
   10-1.09201E-15 1.09201E-15 1.17202E-15-1.39042E-15
   11-1.13796E-15 1.13796E-15 1.39042E-15-1.61802E-15
   12-1.17356E-15 1.17356E-15 1.61802E-15-1.85273E-15
   13-1.19872E-15 1.19872E-15 1.85273E-15-2.09247E-15
   14-1.21336E-15 1.21336E-15 2.09247E-15-2.33514E-15
   15-1.21740E-15 1.21740E-15 2.33514E-15-2.57862E-15
   16-1.21074E-15 1.21074E-15 2.57862E-15-2.82077E-15
   17-1.19329E-15 1.19329E-15 2.82077E-15-3.05943E-15
   18-1.16497E-15 1.16497E-15 3.05943E-15-3.29242E-15
   19-1.12569E-15 1.12569E-15 3.29242E-15-3.51756E-15
   20-1.07538E-15 1.07538E-15 3.51756E-15-3.73263E-15
   21 3.25131E-12-3.25131E-12 3.28965E-13 3.21297E-13
   22-6.47510E-12 6.47510E-12-6.43658E-13-6.51362E-13
   23-6.69564E-12 6.69564E-12-6.66065E-13-6.73063E-13
   24 1.78859E-11-1.78859E-11 1.79153E-12 1.78564E-12
   25-7.04866E-12 7.04866E-12-7.02493E-13-7.07238E-13
   26-7.17283E-12 7.17283E-12-7.15516E-13-7.19051E-13
   27 1.75147E-11-1.75147E-11 1.75261E-12 1.75034E-12
   28-7.31384E-12 7.31384E-12-7.30723E-13-7.32044E-13
   29-7.34378E-12 7.34378E-12-7.34039E-13-7.34710E-13
   30-7.34777E-12 7.34777E-12-7.34977E-13-7.34578E-13
   31 1.74507E-11-1.74507E-11 1.74448E-12 1.74566E-12
   32-7.28595E-12 7.28595E-12-7.29269E-13-7.27922E-13
   33 5.14536E-12-5.14536E-12 5.13744E-13 5.15328E-13
   34-7.18986E-12 7.18986E-12-7.19931E-13-7.18040E-13
   35 5.24944E-12-5.24944E-12 5.24158E-13 5.25724E-13
   36-7.09461E-12 7.09461E-12-7.10125E-13-7.08796E-13
   37 5.34105E-12-5.34105E-12 5.33159E-13 5.35051E-13
   38-6.96907E-12 6.96907E-12-6.98535E-13-6.95278E-13
   39 5.54860E-12-5.54860E-12 5.52144E-13 5.57575E-13
   40 5.74567E-12-5.74567E-12 5.70714E-13 5.78421E-13
   41-6.37480E-12 6.37480E-12-6.42522E-13-6.32438E-13
   42 6.35237E-12-6.35237E-12 6.28953E-13 6.41515E-13
   43-5.63016E-12 5.63016E-12-5.70232E-13-5.55799E-13
   44-5.17813E-12 5.17813E-12-5.25664E-13-5.09962E-13
   45 7.70094E-12-7.70094E-12 7.61554E-13 7.78634E-13
   46-4.15175E-12 4.15175E-12-4.24457E-13-4.05893E-13
   47-3.57092E-12 3.57092E-12-3.67171E-13-3.47010E-13
   48 9.44686E-12-9.44686E-12 9.33753E-13 9.55620E-13
   49-2.27849E-12 2.27849E-12-2.38984E-13-2.16726E-13
   50-1.62487E-12 1.62487E-12-1.73147E-13-1.51810E-13
   51-9.96892E-13 9.96892E-13-1.09949E-13-8.94298E-14
   52-3.92133E-13 3.92133E-13-4.91125E-14-2.93141E-14
   53 1.92486E-13-1.92486E-13 9.66048E-15 2.88367E-14
   54 7.59911E-13-7.59911E-13 6.66650E-14 8.53172E-14
   55 1.31296E-12-1.31296E-12 1.22187E-13 1.40405E-13
   56 1.85418E-12-1.85418E-12 1.76487E-13 1.94350E-13
   57-3.80771E-12 3.80771E-12-3.89565E-13-3.71978E-13
   58 2.91058E-12-2.91058E-12 2.82364E-13 2.99752E-13
   59-2.76346E-12 2.76346E-12-2.84973E-13-2.67719E-13
   60 3.94676E-12-3.94676E-12 3.86085E-13 4.03267E-13
   61-1.73171E-12 1.73171E-12-1.81753E-13-1.64589E-13
   62-1.20570E-12 1.20570E-12-1.29521E-13-1.11618E-13
   63-6.46338E-13 6.46338E-13-7.43276E-14-5.49400E-14
   64-4.20096E-14 4.20096E-14-1.46514E-14 6.24948E-15
   65 5.86656E-13-5.86656E-13 4.81605E-14 6.91706E-14
   66 1.17603E-12-1.17603E-12 1.08463E-13 1.26744E-13
   67 1.66218E-12-1.66218E-12 1.59154E-13 1.73282E-13
   68-2.62176E-12 2.62176E-12-2.67156E-13-2.57196E-13
   69-4.33572E-14 4.33572E-14-7.88166E-15-7.89776E-16
   70 1.22457E-13-1.22457E-13 1.02645E-14 1.42269E-14
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   71-2.19174E-13 2.19174E-13-2.14520E-14-2.23828E-14
   72 8.15831E-14-8.15831E-14 1.05711E-14 5.74547E-15
   73-1.07860E-13 1.07860E-13-6.88407E-15-1.46879E-14
   74 3.42661E-14-3.42661E-14 7.69062E-15-8.37410E-16
   75 1.87199E-13-1.87199E-13 2.22616E-14 1.51782E-14
   76-2.08583E-13 2.08583E-13-1.76590E-14-2.40576E-14
   77-1.58412E-14 1.58412E-14 1.69534E-15-4.86359E-15
   78 1.79435E-13-1.79435E-13 2.10583E-14 1.48287E-14
   79-7.19322E-14 7.19322E-14-5.15496E-15-9.23148E-15
   80-1.20289E-14 1.20289E-14-3.99116E-16-2.00666E-15
   81 1.18974E-14-1.18974E-14 1.35484E-15 1.02475E-15

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8669E+05 RIMNOR=0.4074E-22
           RENORM= 218.6     REMNOR=0.2002E-22 RATIO =0.5022E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 42.76     RMMAX =0.1792E-11
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-16
           RDT   =0.8669E+05 RDR   =0.1000E-16
           RATIOT=0.5022E-01 RATIOR= 0.000
           MAX UN= 2.948     IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN=-.1128E-11 IEQ=    80 NODE     40 DOF   2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8669E+05 RIMNOR=0.4074E-22
           RENORM= 20.83     REMNOR=0.6015E-20 RATIO =0.1550E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 42.76     RMMAX =0.1792E-11
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-16
           RDT   =0.8669E+05 RDR   =0.1000E-16
           RATIOT=0.1550E-01 RATIOR= 0.000
           MAX UN= 2.151     IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           MIN UN=-.2749E-09 IEQ=    81 NODE     41 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8669E+05 RIMNOR=0.4074E-22
           RENORM=0.5754     REMNOR=0.1618E-19 RATIO =0.2576E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 42.76     RMMAX =0.1792E-11
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-16
           RDT   =0.8669E+05 RDR   =0.1000E-16
           RATIOT=0.2576E-02 RATIOR= 0.000
           MAX UN=0.5695     IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           MIN UN=-.6031E-09 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8669E+05 RIMNOR=0.4074E-22
           RENORM=0.7045E-02 REMNOR=0.5844E-20 RATIO =0.2851E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 42.76     RMMAX =0.1792E-11
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-16
           RDT   =0.8669E+05 RDR   =0.1000E-16
           RATIOT=0.2851E-03 RATIOR= 0.000
           MAX UN=0.7940E-01 IEQ=    37 NODE     19 DOF   1  Y-DISPL.F
           MIN UN=-.6395E-09 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8669E+05 RIMNOR=0.4074E-22
           RENORM=0.1359E-17 REMNOR=0.2666E-20 RATIO =0.3959E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 42.76     RMMAX =0.1792E-11
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-16
           RDT   =0.8669E+05 RDR   =0.1000E-16
           RATIOT=0.3959E-11 RATIOR= 0.000
           MAX UN=0.5074E-09 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           MIN UN=-.5798E-09 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:43                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    4     ( AT TIME   4.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
    1   3.4282158E-04  -4.8632979E-05
    2   3.3309499E-04  -4.8632979E-05
    3   3.2336850E-04  -4.8631392E-05
    4   3.1364285E-04  -4.8623456E-05
    5   3.0392007E-04  -4.8601237E-05
    6   2.9420405E-04  -4.8553624E-05
    7   2.8450126E-04  -4.8466333E-05
    8   2.7482133E-04  -4.8321907E-05
    9   2.6517768E-04  -4.8099713E-05
   10   2.5558798E-04  -4.7779439E-05
   11   2.4607331E-04  -4.7348087E-05
   12   2.3665630E-04  -4.6803465E-05
   13   2.2735917E-04  -4.6150186E-05
   14   2.1820307E-04  -4.5394179E-05
   15   2.0920797E-04  -4.4541177E-05
   16   2.0039270E-04  -4.3596685E-05
   17   1.9177504E-04  -4.2565958E-05
   18   1.8337169E-04  -4.1453987E-05
   19   1.7519850E-04  -4.0265510E-05
   20   1.6727033E-04  -3.9004983E-05
   21   1.5960108E-04  -3.7676580E-05
   22   1.6288232E-04  -3.6284134E-05
   23   1.6355288E-04  -3.4837518E-05
   24   1.5642082E-04  -3.3352211E-05
   25   1.4958849E-04  -3.1842410E-05
   26   1.4305942E-04  -3.0321032E-05
   27   1.3683478E-04  -2.8799815E-05
   28   1.3091344E-04  -2.7289351E-05
   29   1.2529229E-04  -2.5799146E-05
   30   1.1996645E-04  -2.4337686E-05
   31   1.1492935E-04  -2.2912464E-05
   32   1.1017310E-04  -2.1530080E-05
   33   1.0568853E-04  -2.0196263E-05
   34   1.0146544E-04  -1.8915935E-05
   35   9.7492701E-05  -1.7693258E-05
   36   9.3758442E-05  -1.6531692E-05
   37   9.0250117E-05  -1.5434014E-05
   38   8.6954741E-05  -1.4402401E-05
   39   8.3858932E-05  -1.3438446E-05
   40   8.0949046E-05  -1.2543204E-05
   41   7.8211277E-05  -1.1717231E-05
   42   7.5631757E-05  -1.0960611E-05
   43   7.3196654E-05  -1.0272999E-05
   44   7.0892213E-05  -9.6536316E-06
   45   6.8704905E-05  -9.1013747E-06
   46   6.6621452E-05  -8.6147329E-06
   47   6.4628910E-05  -8.1918743E-06
   48   6.2714741E-05  -7.8306499E-06
   49   6.0866840E-05  -7.5286034E-06
   50   5.9073607E-05  -7.2829895E-06
   51   5.7324228E-05  -7.0908094E-06
   52   5.5608123E-05  -6.9487491E-06
   53   5.3915707E-05  -6.8532702E-06
   54   5.2238039E-05  -6.8005670E-06
   55   5.0566966E-05  -6.7865808E-06
   56   4.8895172E-05  -6.8070016E-06
   57   4.7216227E-05  -6.8572681E-06
   58   4.5524640E-05  -6.9325670E-06
   59   4.3815907E-05  -7.0278303E-06
   60   4.2086564E-05  -7.1377324E-06
   61   4.0334236E-05  -7.2566858E-06
   62   3.8557696E-05  -7.3788369E-06
   63   3.6756911E-05  -7.4980608E-06
   64   3.4933102E-05  -7.6079565E-06
   65   3.3088799E-05  -7.7018421E-06
   66   3.1227896E-05  -7.7727500E-06
   67   2.9355710E-05  -7.8134233E-06
   68   2.7479036E-05  -7.8163130E-06
   69   2.2140526E-05  -7.7735756E-06
   70   2.0547275E-05  -7.6889704E-06
   71   1.8973907E-05  -7.5770064E-06
   72   1.7424607E-05  -7.4502058E-06
   73   1.5901254E-05  -7.3191322E-06
   74   1.4403807E-05  -7.1924228E-06
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75   1.2930687E-05  -7.0768219E-06
76   1.1479155E-05  -6.9772134E-06
77   1.0045675E-05  -6.8966504E-06
78   8.6262835E-06  -6.8363804E-06
79   7.2169468E-06  -6.7958666E-06
80   5.8139145E-06  -6.7728029E-06
81   4.4140740E-06  -6.7631243E-06
82   3.0152307E-06  -6.7610135E-06
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:43                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      4.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -3.4282E-04   0.000       0.000       6.080       3.040          ACTIVE   0.000     -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.3868     -3.3309E-04   3.800       1.934       9.880       4.940          ACTIVE   0.000     -0.5200       0.000
1.000       1.000       1.934       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D  0.7737     -3.2337E-04   7.600       3.868       13.68       6.840          ACTIVE   0.000     -0.7200       0.000
1.000       1.000       3.868       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.161     -3.1364E-04   11.40       5.803       17.48       8.740          ACTIVE   0.000     -0.9200       0.000
1.000       1.000       5.803       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.547     -3.0392E-04   15.20       7.737       21.28       10.64          ACTIVE   0.000      -1.120       0.000
1.000       1.000       7.737       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   1.934     -2.9420E-04   19.00       9.671       25.08       12.54          ACTIVE   0.000      -1.320       0.000
1.000       1.000       9.671       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.321     -2.8450E-04   22.80       11.61       28.88       14.44          ACTIVE   0.000      -1.520       0.000
1.000       1.000       11.61       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   2.708     -2.7482E-04   26.60       13.54       32.68       16.34          ACTIVE   0.000      -1.720       0.000
1.000       1.000       13.54       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.095     -2.6518E-04   30.40       15.47       36.48       18.24          ACTIVE   0.000      -1.920       0.000
1.000       1.000       15.47       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   3.482     -2.5559E-04   34.20       17.41       40.28       20.14          ACTIVE   0.000      -2.120       0.000
1.000       1.000       17.41       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   3.868     -2.4607E-04   38.00       19.34       44.08       22.04          ACTIVE   0.000      -2.320       0.000
1.000       1.000       19.34       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.255     -2.3666E-04   41.80       21.28       47.88       23.94          ACTIVE   0.000      -2.520       0.000
1.000       1.000       21.28       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   4.642     -2.2736E-04   45.60       23.21       51.68       25.84          ACTIVE   0.000      -2.720       0.000
1.000       1.000       23.21       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.029     -2.1820E-04   49.40       25.14       55.48       27.74          ACTIVE   0.000      -2.920       0.000
1.000       1.000       25.14       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.416     -2.0921E-04   53.20       27.08       59.28       29.64          ACTIVE   0.000      -3.120       0.000
1.000       1.000       27.08       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   5.803     -2.0039E-04   57.00       29.01       63.08       31.54          ACTIVE   0.000      -3.320       0.000
1.000       1.000       29.01       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.189     -1.9178E-04   60.80       30.95       66.88       33.44          ACTIVE   0.000      -3.520       0.000
1.000       1.000       30.95       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   6.576     -1.8337E-04   64.60       32.88       70.68       35.34          ACTIVE   0.000      -3.720       0.000
1.000       1.000       32.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   6.963     -1.7520E-04   68.40       34.82       74.48       37.24          ACTIVE   0.000      -3.920       0.000
1.000       1.000       34.82       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.350     -1.6727E-04   72.20       36.75       78.28       39.14          ACTIVE   0.000      -4.120       0.000
1.000       1.000       36.75       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   7.737     -1.5960E-04   76.00       38.68       82.08       41.04          ACTIVE   0.000      -4.320       0.000
1.000       1.000       38.68       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   6.325     -1.6288E-04   78.02       29.85       84.10       42.05           UL-RL  6.5404E+04  -4.520       1.776
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1.000       1.000       31.63       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   6.894     -1.6355E-04   79.85       30.72       85.93       42.97          UL-RL  6.5404E+04  -4.720       3.750
1.000       1.000       34.47       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   7.565     -1.5642E-04   81.68       32.10       87.76       43.88          UL-RL  6.5404E+04  -4.920       5.724
1.000       1.000       37.82       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   8.232     -1.4959E-04   83.50       33.46       89.58       44.79          UL-RL  6.5404E+04  -5.120       7.698
1.000       1.000       41.16       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   8.895     -1.4306E-04   85.33       34.80       91.41       45.70          UL-RL  6.5404E+04  -5.320       9.672
1.000       1.000       44.47       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   9.554     -1.3683E-04   87.15       36.12       93.23       46.62          UL-RL  6.5404E+04  -5.520       11.65
1.000       1.000       47.77       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   10.21     -1.3091E-04   88.98       37.42       95.06       47.53          UL-RL  6.5404E+04  -5.720       13.62
1.000       1.000       51.04       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   10.86     -1.2529E-04   90.81       38.70       96.89       48.44          UL-RL  6.5404E+04  -5.920       15.59
1.000       1.000       54.30       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   11.51     -1.1997E-04   92.63       39.97       98.71       49.36          UL-RL  6.5404E+04  -6.120       17.57
1.000       1.000       57.53       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   12.15     -1.1493E-04   94.46       41.21       100.5       50.27          UL-RL  6.5404E+04  -6.320       19.54
1.000       1.000       60.75       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   12.79     -1.1017E-04   96.28       42.43       102.4       51.18          UL-RL  6.5404E+04  -6.520       21.52
1.000       1.000       63.95       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   13.43     -1.0569E-04   98.11       43.64       104.2       52.10          UL-RL  6.5404E+04  -6.720       23.49
1.000       1.000       67.13       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   14.06     -1.0147E-04   99.94       44.83       106.0       53.01          UL-RL  6.5404E+04  -6.920       25.46
1.000       1.000       70.29       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   14.69     -9.7493E-05   101.8       46.00       107.8       53.92          UL-RL  6.5404E+04  -7.120       27.44
1.000       1.000       73.44       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   15.31     -9.3758E-05   103.6       47.16       109.7       54.83          UL-RL  6.5404E+04  -7.320       29.41
1.000       1.000       76.57       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   15.94     -9.0250E-05   105.4       48.30       111.5       55.75          UL-RL  6.5404E+04  -7.520       31.39
1.000       1.000       79.69       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   16.56     -8.6955E-05   107.2       49.43       113.3       56.66          UL-RL  6.5404E+04  -7.720       33.36
1.000       1.000       82.79       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   17.18     -8.3859E-05   109.1       50.55       115.1       57.57          UL-RL  6.5404E+04  -7.920       35.33
1.000       1.000       85.88       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   17.79     -8.0949E-05   110.9       51.65       117.0       58.49          UL-RL  6.5404E+04  -8.120       37.31
1.000       1.000       88.96       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   18.41     -7.8211E-05   112.7       52.74       118.8       59.40          UL-RL  6.5404E+04  -8.320       39.28
1.000       1.000       92.03       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   19.02     -7.5632E-05   114.5       53.83       120.6       60.31          UL-RL  6.5404E+04  -8.520       41.26
1.000       1.000       95.08       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   19.63     -7.3197E-05   116.4       54.90       122.5       61.23          UL-RL  6.5404E+04  -8.720       43.23
1.000       1.000       98.13       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   20.23     -7.0892E-05   118.2       55.96       124.3       62.14          UL-RL  6.5404E+04  -8.920       45.20
1.000       1.000       101.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   20.84     -6.8705E-05   120.0       57.02       126.1       63.05          UL-RL  6.5404E+04  -9.120       47.18
1.000       1.000       104.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   21.44     -6.6621E-05   121.8       58.07       127.9       63.96          UL-RL  6.5404E+04  -9.320       49.15
1.000       1.000       107.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   22.05     -6.4629E-05   123.7       59.11       129.8       64.88          UL-RL  6.5404E+04  -9.520       51.13
1.000       1.000       110.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   22.65     -6.2715E-05   125.5       60.15       131.6       65.79          UL-RL  6.5404E+04  -9.720       53.10
1.000       1.000       113.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   23.25     -6.0867E-05   127.3       61.18       133.4       66.70          UL-RL  6.5404E+04  -9.920       55.07
1.000       1.000       116.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   23.85     -5.9074E-05   129.2       62.22       135.2       67.62          UL-RL  6.5404E+04  -10.12       57.05
1.000       1.000       119.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   24.45     -5.7324E-05   131.0       63.24       137.1       68.53          UL-RL  6.5404E+04  -10.32       59.02
1.000       1.000       122.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   25.05     -5.5608E-05   132.8       64.27       138.9       69.44          UL-RL  6.5404E+04  -10.52       61.00
1.000       1.000       125.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   25.65     -5.3916E-05   134.6       65.29       140.7       70.36          UL-RL  6.5404E+04  -10.72       62.97
1.000       1.000       128.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   26.25     -5.2238E-05   136.5       66.32       142.5       71.27          UL-RL  6.5404E+04  -10.92       64.94
1.000       1.000       131.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   26.85     -5.0567E-05   138.3       67.34       144.4       72.18          UL-RL  6.5404E+04  -11.12       66.92
1.000       1.000       134.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   27.45     -4.8895E-05   140.1       68.36       146.2       73.09          UL-RL  6.5404E+04  -11.32       68.89
1.000       1.000       137.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   28.05     -4.7216E-05   141.9       69.38       148.0       74.01          UL-RL  6.5404E+04  -11.52       70.86
1.000       1.000       140.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   28.65     -4.5525E-05   143.8       70.41       149.8       74.92          UL-RL  6.5404E+04  -11.72       72.84
1.000       1.000       143.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   29.25     -4.3816E-05   145.6       71.43       151.7       75.83          UL-RL  6.5404E+04  -11.92       74.81
1.000       1.000       146.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   29.85     -4.2087E-05   147.4       72.46       153.5       76.75          UL-RL  6.5404E+04  -12.12       76.79
1.000       1.000       149.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   30.45     -4.0334E-05   149.2       73.49       155.3       77.66          UL-RL  6.5404E+04  -12.32       78.76
1.000       1.000       152.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   31.05     -3.8558E-05   151.1       74.52       157.1       78.57          UL-RL  6.5404E+04  -12.52       80.73
1.000       1.000       155.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   31.65     -3.6757E-05   152.9       75.55       159.0       79.49          UL-RL  6.5404E+04  -12.72       82.71
1.000       1.000       158.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   32.25     -3.4933E-05   154.7       76.58       160.8       80.40          UL-RL  6.5404E+04  -12.92       84.68
1.000       1.000       161.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   32.85     -3.3089E-05   156.5       77.61       162.6       81.31          UL-RL  6.5404E+04  -13.12       86.66
1.000       1.000       164.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   33.46     -3.1228E-05   158.4       78.65       164.4       82.22          UL-RL  6.5404E+04  -13.32       88.63
1.000       1.000       167.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   34.06     -2.9356E-05   160.2       79.68       166.3       83.14          UL-RL  6.5404E+04  -13.52       90.60
1.000       1.000       170.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   34.66     -2.7479E-05   162.0       80.72       168.1       84.05          UL-RL  6.5404E+04  -13.72       92.58
1.000       1.000       173.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   33.63     -2.2141E-05   163.9       73.60       169.9       84.97          UL-RL  4.4454E+05  -13.92       94.55
1.000       1.000       168.2       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   34.37     -2.0547E-05   165.9       75.32       172.0       85.99          UL-RL  4.4454E+05  -14.12       96.53
1.000       1.000       171.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   35.11     -1.8974E-05   167.9       77.03       174.0       87.00          UL-RL  4.4454E+05  -14.32       98.50
1.000       1.000       175.5       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   35.84     -1.7425E-05   169.9       78.73       176.0       88.01          UL-RL  4.4454E+05  -14.52       100.5
1.000       1.000       179.2       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   36.57     -1.5901E-05   172.0       80.42       178.1       89.03          UL-RL  4.4454E+05  -14.72       102.4
1.000       1.000       182.9       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   37.31     -1.4404E-05   174.0       82.10       180.1       90.04          UL-RL  4.4454E+05  -14.92       104.4
1.000       1.000       186.5       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   38.03     -1.2931E-05   176.0       83.77       182.1       91.05          UL-RL  4.4454E+05  -15.12       106.4
1.000       1.000       190.2       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   38.76     -1.1479E-05   178.0       85.43       184.1       92.06          UL-RL  4.4454E+05  -15.32       108.4
1.000       1.000       193.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   39.48     -1.0046E-05   180.1       87.08       186.2       93.08          UL-RL  4.4454E+05  -15.52       110.3
1.000       1.000       197.4       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   40.21     -8.6263E-06   182.1       88.72       188.2       94.09          UL-RL  4.4454E+05  -15.72       112.3
1.000       1.000       201.0       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   40.93     -7.2169E-06   184.1       90.36       190.2       95.10          UL-RL  4.4454E+05  -15.92       114.3
1.000       1.000       204.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   41.65     -5.8139E-06   186.2       92.00       192.2       96.12          UL-RL  4.4454E+05  -16.12       116.3
1.000       1.000       208.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   42.38     -4.4141E-06   188.2       93.64       194.3       97.13          UL-RL  4.4454E+05  -16.32       118.2
1.000       1.000       211.9       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   21.55     -3.0152E-06   190.2       95.27       196.3       98.14          UL-RL  4.4454E+05  -16.52       120.2
1.000       1.000       215.5       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:43                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      4.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------------
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-----------------------------------------------
   1     0.000         --          --          --          --          --         REMOVED     --      -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --         REMOVED     --      -0.5200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --         REMOVED     --      -0.7200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --         REMOVED     --      -0.9200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --         REMOVED     --       -1.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --         REMOVED     --       -1.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --         REMOVED     --       -1.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --         REMOVED     --       -1.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   9 D  0.8520      2.6518E-04   1.900       4.260       36.48       18.24         PASSIVE   0.000      -1.920       0.000
1.000       1.000       4.260       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   2.556      2.5559E-04   5.700       12.78       40.28       20.14         PASSIVE   0.000      -2.120       0.000
1.000       1.000       12.78       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   4.260      2.4607E-04   9.500       21.30       44.08       22.04         PASSIVE   0.000      -2.320       0.000
1.000       1.000       21.30       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.988      2.3666E-04   13.30       24.94       47.88       24.94              V-C  2.0182E+04  -2.520       0.000
1.000       1.000       24.94       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   5.354      2.2736E-04   17.10       26.77       51.68       26.77              V-C  2.0182E+04  -2.720       0.000
1.000       1.000       26.77       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.714      2.1820E-04   20.90       28.57       55.48       28.57              V-C  2.0182E+04  -2.920       0.000
1.000       1.000       28.57       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   6.072      2.0921E-04   24.70       30.36       59.28       30.36              V-C  2.0182E+04  -3.120       0.000
1.000       1.000       30.36       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   6.428      2.0039E-04   28.50       32.14       63.08       32.14              V-C  2.0182E+04  -3.320       0.000
1.000       1.000       32.14       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.782      1.9178E-04   32.30       33.91       66.88       33.91              V-C  2.0182E+04  -3.520       0.000
1.000       1.000       33.91       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   7.136      1.8337E-04   36.10       35.68       70.68       35.68              V-C  2.0182E+04  -3.720       0.000
1.000       1.000       35.68       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   7.490      1.7520E-04   39.90       37.45       74.48       37.45              V-C  2.0182E+04  -3.920       0.000
1.000       1.000       37.45       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.843      1.6727E-04   43.70       39.22       78.28       39.22              V-C  2.0182E+04  -4.120       0.000
1.000       1.000       39.22       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   8.177      1.5960E-04   47.50       40.88       82.08       41.04            UL-RL  6.0545E+04  -4.320       0.000
1.000       1.000       40.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   8.291      1.6288E-04   51.30       41.46       85.88       43.13            UL-RL  5.3089E+04  -4.520       0.000
1.000       1.000       41.46       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   8.701      1.6355E-04   54.42       42.83       89.00       44.83            UL-RL  5.3089E+04  -4.720       0.6798
1.000       1.000       43.51       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   9.216      1.5642E-04   56.19       43.37       90.77       45.71            UL-RL  5.3089E+04  -4.920       2.706
1.000       1.000       46.08       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  25 D   9.733      1.4959E-04   57.97       43.93       92.55       46.59          UL-RL  5.3089E+04  -5.120       4.732
1.000       1.000       48.66       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   10.25      1.4306E-04   59.74       44.51       94.32       47.47          UL-RL  5.3089E+04  -5.320       6.758
1.000       1.000       51.27       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   10.78      1.3683E-04   61.52       45.10       96.10       48.35          UL-RL  5.3089E+04  -5.520       8.784
1.000       1.000       53.88       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   11.30      1.3091E-04   63.29       45.70       97.87       49.23          UL-RL  5.3089E+04  -5.720       10.81
1.000       1.000       56.51       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   11.83      1.2529E-04   65.06       46.32       99.64       50.12          UL-RL  5.3089E+04  -5.920       12.84
1.000       1.000       59.16       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   12.36      1.1997E-04   66.84       46.96       101.4       51.00          UL-RL  5.3089E+04  -6.120       14.86
1.000       1.000       61.82       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   12.90      1.1493E-04   68.61       47.61       103.2       51.88          UL-RL  5.3089E+04  -6.320       16.89
1.000       1.000       64.50       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   13.44      1.1017E-04   70.39       48.27       105.0       52.76          UL-RL  5.3089E+04  -6.520       18.91
1.000       1.000       67.19       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   13.98      1.0569E-04   72.16       48.95       106.7       53.64          UL-RL  5.3089E+04  -6.720       20.94
1.000       1.000       69.89       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   14.52      1.0147E-04   73.93       49.64       108.5       54.52          UL-RL  5.3089E+04  -6.920       22.97
1.000       1.000       72.61       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   15.07      9.7493E-05   75.71       50.34       110.3       55.40          UL-RL  5.3089E+04  -7.120       24.99
1.000       1.000       75.34       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   15.62      9.3758E-05   77.48       51.06       112.1       56.29          UL-RL  5.3089E+04  -7.320       27.02
1.000       1.000       78.08       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   16.17      9.0250E-05   79.26       51.79       113.8       57.17          UL-RL  5.3089E+04  -7.520       29.04
1.000       1.000       80.83       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   16.72      8.6955E-05   81.03       52.52       115.6       58.05          UL-RL  5.3089E+04  -7.720       31.07
1.000       1.000       83.59       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   17.27      8.3859E-05   82.80       53.27       117.4       58.93          UL-RL  5.3089E+04  -7.920       33.10
1.000       1.000       86.37       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   17.83      8.0949E-05   84.58       54.03       119.2       59.81          UL-RL  5.3089E+04  -8.120       35.12
1.000       1.000       89.15       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   18.39      7.8211E-05   86.35       54.79       120.9       60.69          UL-RL  5.3089E+04  -8.320       37.15
1.000       1.000       91.94       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   18.95      7.5632E-05   88.13       55.57       122.7       61.57          UL-RL  5.3089E+04  -8.520       39.17
1.000       1.000       94.74       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   19.51      7.3197E-05   89.90       56.35       124.5       62.46          UL-RL  5.3089E+04  -8.720       41.20
1.000       1.000       97.55       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   20.07      7.0892E-05   91.67       57.13       126.3       63.34          UL-RL  5.3089E+04  -8.920       43.23
1.000       1.000       100.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   20.64      6.8705E-05   93.45       57.93       128.0       64.22          UL-RL  5.3089E+04  -9.120       45.25
1.000       1.000       103.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   21.20      6.6621E-05   95.22       58.73       129.8       65.10          UL-RL  5.3089E+04  -9.320       47.28
1.000       1.000       106.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   21.77      6.4629E-05   97.00       59.53       131.6       65.98          UL-RL  5.3089E+04  -9.520       49.30
1.000       1.000       108.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   22.33      6.2715E-05   98.77       60.34       133.3       66.86          UL-RL  5.3089E+04  -9.720       51.33
1.000       1.000       111.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   22.90      6.0867E-05   100.5       61.14       135.1       67.74          UL-RL  5.3089E+04  -9.920       53.36
1.000       1.000       114.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   23.47      5.9074E-05   102.3       61.96       136.9       68.63          UL-RL  5.3089E+04  -10.12       55.38
1.000       1.000       117.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   24.04      5.7324E-05   104.1       62.77       138.7       69.51          UL-RL  5.3089E+04  -10.32       57.41
1.000       1.000       120.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   24.60      5.5608E-05   105.9       63.59       140.4       70.39          UL-RL  5.3089E+04  -10.52       59.43
1.000       1.000       123.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  53 D   25.17      5.3916E-05   107.6       64.40       142.2       71.27          UL-RL  5.3089E+04  -10.72       61.46
1.000       1.000       125.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   25.74      5.2238E-05   109.4       65.22       144.0       72.15          UL-RL  5.3089E+04  -10.92       63.49
1.000       1.000       128.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   26.31      5.0567E-05   111.2       66.04       145.8       73.03          UL-RL  5.3089E+04  -11.12       65.51
1.000       1.000       131.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
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0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   26.88      4.8895E-05   113.0       66.86       147.5       73.91          UL-RL  5.3089E+04  -11.32       67.54
1.000       1.000       134.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   27.45      4.7216E-05   114.7       67.67       149.3       74.80          UL-RL  5.3089E+04  -11.52       69.56
1.000       1.000       137.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   28.02      4.5525E-05   116.5       68.49       151.1       75.68          UL-RL  5.3089E+04  -11.72       71.59
1.000       1.000       140.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   28.58      4.3816E-05   118.3       69.30       152.9       76.56          UL-RL  5.3089E+04  -11.92       73.62
1.000       1.000       142.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   29.15      4.2087E-05   120.1       70.12       154.6       77.44          UL-RL  5.3089E+04  -12.12       75.64
1.000       1.000       145.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   29.72      4.0334E-05   121.8       70.93       156.4       78.32          UL-RL  5.3089E+04  -12.32       77.67
1.000       1.000       148.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   30.29      3.8558E-05   123.6       71.74       158.2       79.20          UL-RL  5.3089E+04  -12.52       79.69
1.000       1.000       151.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   30.85      3.6757E-05   125.4       72.55       160.0       80.09          UL-RL  5.3089E+04  -12.72       81.72
1.000       1.000       154.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   31.42      3.4933E-05   127.2       73.36       161.7       80.97          UL-RL  5.3089E+04  -12.92       83.75
1.000       1.000       157.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   31.99      3.3089E-05   128.9       74.16       163.5       81.85          UL-RL  5.3089E+04  -13.12       85.77
1.000       1.000       159.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   32.55      3.1228E-05   130.7       74.97       165.3       82.73          UL-RL  5.3089E+04  -13.32       87.80
1.000       1.000       162.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   33.12      2.9356E-05   132.5       75.77       167.1       83.61          UL-RL  5.3089E+04  -13.52       89.82
1.000       1.000       165.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   33.69      2.7479E-05   134.2       76.58       168.8       84.49          UL-RL  5.3089E+04  -13.72       91.85
1.000       1.000       168.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   35.52      2.2141E-05   136.0       83.72       170.6       85.38          UL-RL  3.4715E+05  -13.92       93.88
1.000       1.000       177.6       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   36.02      2.0547E-05   138.0       84.17       172.6       86.36          UL-RL  3.4715E+05  -14.12       95.90
1.000       1.000       180.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   36.51      1.8974E-05   140.0       84.63       174.6       87.34          UL-RL  3.4715E+05  -14.32       97.93
1.000       1.000       182.6       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   37.01      1.7425E-05   142.0       85.10       176.5       88.33          UL-RL  3.4715E+05  -14.52       99.95
1.000       1.000       185.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   37.51      1.5901E-05   143.9       85.57       178.5       89.31          UL-RL  3.4715E+05  -14.72       102.0
1.000       1.000       187.6       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   38.01      1.4404E-05   145.9       86.06       180.5       90.29          UL-RL  3.4715E+05  -14.92       104.0
1.000       1.000       190.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   38.52      1.2931E-05   147.9       86.55       182.5       91.27          UL-RL  3.4715E+05  -15.12       106.0
1.000       1.000       192.6       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   39.02      1.1479E-05   149.9       87.05       184.4       92.25          UL-RL  3.4715E+05  -15.32       108.1
1.000       1.000       195.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   39.53      1.0046E-05   151.8       87.55       186.4       93.23          UL-RL  3.4715E+05  -15.52       110.1
1.000       1.000       197.6       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   40.03      8.6263E-06   153.8       88.06       188.4       94.22          UL-RL  3.4715E+05  -15.72       112.1
1.000       1.000       200.2       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   40.54      7.2169E-06   155.8       88.58       190.4       95.20          UL-RL  3.4715E+05  -15.92       114.1
1.000       1.000       202.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   41.05      5.8139E-06   157.8       89.09       192.3       96.18          UL-RL  3.4715E+05  -16.12       116.2
1.000       1.000       205.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   41.56      4.4141E-06   159.7       89.61       194.3       97.16          UL-RL  3.4715E+05  -16.32       118.2
1.000       1.000       207.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   21.03      3.0152E-06   161.7       90.13       196.3       98.14          UL-RL  3.4715E+05  -16.52       120.2
1.000       1.000       210.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   81
C U R R E N T   T I M E   I S   4.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

EL	TA	TB	MA	MB
1	7.94671E-11	-7.94671E-11	7.97407E-12	-2.27054E-11
2	0.38684	-0.38684	4.00311E-11	7.73680E-02
3	1.1605	-1.1605	-7.73680E-02	0.30947
4	2.3210	-2.3210	-0.30947	0.77368
5	3.8684	-3.8684	-0.77368	1.5474
6	5.8026	-5.8026	-1.5474	2.7079
7	8.1236	-8.1236	-2.7079	4.3326
8	10.832	-10.832	-4.3326	6.4989
9	13.074	-13.074	-6.4989	9.1138
10	14.000	-14.000	-9.1138	11.914
11	13.609	-13.609	-11.914	14.635
12	12.875	-12.875	-14.635	17.211
13	12.164	-12.164	-17.211	19.643
14	11.478	-11.478	-19.643	21.939
15	10.822	-10.822	-21.939	24.103
16	10.197	-10.197	-24.103	26.143
17	9.6043	-9.6043	-26.143	28.063
18	9.0447	-9.0447	-28.063	29.872
19	8.5182	-8.5182	-29.872	31.576
20	8.0247	-8.0247	-31.576	33.181
21	7.5848	-7.5848	-33.181	34.698
22	5.6188	-5.6188	-34.698	35.822
23	3.8115	-3.8115	-35.822	36.584
24	2.1607	-2.1607	-36.584	37.016
25	0.65950	-0.65950	-37.016	37.148
26	-0.69902	0.69902	-37.148	37.008
27	-1.9219	1.9219	-37.008	36.624
28	-3.0161	3.0161	-36.624	36.021
29	-3.9885	3.9885	-36.021	35.223
30	-4.8460	4.8460	-35.223	34.254
31	-5.5952	5.5952	-34.254	33.135
32	-6.2427	6.2427	-33.135	31.886
33	-6.7947	6.7947	-31.886	30.527
34	-7.2573	7.2573	-30.527	29.076
35	-7.6363	7.6363	-29.076	27.549
36	-7.9373	7.9373	-27.549	25.961
37	-8.1654	8.1654	-25.961	24.328
38	-8.3256	8.3256	-24.328	22.663
39	-8.4226	8.4226	-22.663	20.978
40	-8.4606	8.4606	-20.978	19.286
41	-8.4437	8.4437	-19.286	17.597
42	-8.3755	8.3755	-17.597	15.922
43	-8.2593	8.2593	-15.922	14.271
44	-8.0982	8.0982	-14.271	12.651
45	-7.8948	7.8948	-12.651	11.072
46	-7.6516	7.6516	-11.072	9.5416
47	-7.3707	7.3707	-9.5416	8.0675
48	-7.0538	7.0538	-8.0675	6.6567
49	-6.7024	6.7024	-6.6567	5.3162
50	-6.3178	6.3178	-5.3162	4.0527
51	-5.9010	5.9010	-4.0527	2.8725
52	-5.4527	5.4527	-2.8725	1.7819
53	-4.9734	4.9734	-1.7819	0.78724
54	-4.4634	4.4634	-0.78724	-0.10545
55	-3.9229	3.9229	0.10545	-0.89002
56	-3.3517	3.3517	0.89002	-1.5604
57	-2.7497	2.7497	1.5604	-2.1103
58	-2.1165	2.1165	2.1103	-2.5336
59	-1.4516	1.4516	2.5336	-2.8239
60	-0.75458	0.75458	2.8239	-2.9748
61	-2.48192E-02	2.48192E-02	2.9748	-2.9798
62	0.73829	-0.73829	2.9798	-2.8321
63	1.5354	-1.5354	2.8321	-2.5251
64	2.3670	-2.3670	2.5251	-2.0517
65	3.2336	-3.2336	2.0517	-1.4049
66	4.1357	-4.1357	1.4049	-0.57780
67	5.0737	-5.0737	0.57780	0.43693
68	6.0475	-6.0475	-0.43693	1.6464
69	4.1574	-4.1574	-1.6464	2.4779
70	2.5110	-2.5110	-2.4779	2.9801

```
   71  1.1052     -1.1052     -2.9801      3.2012
   72-6.37361E-02 6.37361E-02 -3.2012      3.1884
   73-0.99999     0.99999     -3.1884      2.9884
   74 -1.7076      1.7076     -2.9884      2.6469
   75 -2.1904      2.1904     -2.6469      2.2088
   76 -2.4517      2.4517     -2.2088      1.7185
   77 -2.4945      2.4945     -1.7185      1.2196
   78 -2.3209      2.3209     -1.2196     0.75540
   79 -1.9324      1.9324    -0.75540     0.36892
   80 -1.3301      1.3301    -0.36892     0.10289
   81-0.51444     0.51444    -0.10289     9.29512E-14

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8773E+05 RIMNOR=0.5678E+05
           RENORM= 446.8     REMNOR=0.2666E-20 RATIO =0.7137E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 42.38     RMMAX = 37.15
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.8773E+05 RDR   =0.5678E+05
           RATIOT=0.7137E-01 RATIOR= 0.000
           MAX UN= 6.428     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           MIN UN=-.5798E-09 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8773E+05 RIMNOR=0.5678E+05
           RENORM= 78.28     REMNOR=0.5398E-18 RATIO =0.2987E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 42.38     RMMAX = 37.15
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.8773E+05 RDR   =0.5678E+05
           RATIOT=0.2987E-01 RATIOR= 0.000
           MAX UN= 4.175     IEQ=    37 NODE     19 DOF   1  Y-DISPL.F
           MIN UN=-.2329E-08 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8773E+05 RIMNOR=0.5678E+05
           RENORM= 7.115     REMNOR=0.4578E-18 RATIO =0.9006E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 42.38     RMMAX = 37.15
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.8773E+05 RDR   =0.5678E+05
           RATIOT=0.9006E-02 RATIOR= 0.000
           MAX UN= 1.240     IEQ=    71 NODE     36 DOF   1  Y-DISPL.F
           MIN UN=-.3217E-08 IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8773E+05 RIMNOR=0.5678E+05
           RENORM=0.9227E-01 REMNOR=0.2498E-18 RATIO =0.1026E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 42.38     RMMAX = 37.15
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.8773E+05 RDR   =0.5678E+05
           RATIOT=0.1026E-02 RATIOR= 0.000
           MAX UN=0.2374     IEQ=    83 NODE     42 DOF   1  Y-DISPL.F
           MIN UN=-.7086E-01 IEQ=   163 NODE     82 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8773E+05 RIMNOR=0.5678E+05
           RENORM=0.4095E-16 REMNOR=0.2355E-18 RATIO =0.2161E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 42.38     RMMAX = 37.15
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.8773E+05 RDR   =0.5678E+05
           RATIOT=0.2161E-10 RATIOR= 0.000
           MAX UN=0.2037E-08 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.3065E-08 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:43                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    5     ( AT TIME   5.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
    1   2.4200801E-03  -2.8858688E-04
    2   2.3623627E-03  -2.8858688E-04
    3   2.3046454E-03  -2.8858529E-04
    4   2.2469290E-03  -2.8857735E-04
    5   2.1892155E-03  -2.8855513E-04
    6   2.1315087E-03  -2.8850752E-04
    7   2.0738151E-03  -2.8842023E-04
    8   2.0161444E-03  -2.8827580E-04
    9   1.9585100E-03  -2.8805361E-04
   10   1.9009297E-03  -2.8772984E-04
   11   1.8434266E-03  -2.8727752E-04
   12   1.7860293E-03  -2.8666648E-04
   13   1.7287728E-03  -2.8586341E-04
   14   1.6716992E-03  -2.8483179E-04
   15   1.6148580E-03  -2.8353196E-04
   16   1.5583071E-03  -2.8192105E-04
   17   1.5021134E-03  -2.7995304E-04
   18   1.4463522E-03  -2.7758571E-04
   19   1.3911075E-03  -2.7478769E-04
   20   1.3364675E-03  -2.7153838E-04
   21   1.2825232E-03  -2.6782796E-04
   22   1.2400454E-03  -2.6365746E-04
   23   1.1955512E-03  -2.5904897E-04
   24   1.1439234E-03  -2.5403940E-04
   25   1.0933349E-03  -2.4866457E-04
   26   1.0438547E-03  -2.4295948E-04
   27   9.9554555E-04  -2.3695847E-04
   28   9.4846341E-04  -2.3069512E-04
   29   9.0265740E-04  -2.2420237E-04
   30   8.5817039E-04  -2.1751246E-04
   31   8.1503820E-04  -2.1065692E-04
   32   7.7329108E-04  -2.0366671E-04
   33   7.3295292E-04  -1.9657217E-04
   34   6.9404160E-04  -1.8940305E-04
   35   6.5656912E-04  -1.8218851E-04
   36   6.2054186E-04  -1.7495722E-04
   37   5.8595999E-04  -1.6773723E-04
   38   5.5281870E-04  -1.6055582E-04
   39   5.2110765E-04  -1.5343891E-04
   40   4.9081147E-04  -1.4641095E-04
   41   4.6191005E-04  -1.3949500E-04
   42   4.3437878E-04  -1.3271280E-04
   43   4.0818898E-04  -1.2608488E-04
   44   3.8330759E-04  -1.1963049E-04
   45   3.5969822E-04  -1.1336725E-04
   46   3.3732109E-04  -1.0731041E-04
   47   3.1613360E-04  -1.0147271E-04
   48   2.9609093E-04  -9.5864635E-05
   49   2.7714612E-04  -9.0494348E-05
   50   2.5925061E-04  -8.5367914E-05
   51   2.4235687E-04  -8.0490018E-05
   52   2.2641287E-04  -7.5862378E-05
   53   2.1136927E-04  -7.1485831E-05
   54   1.9717594E-04  -6.7359309E-05
   55   1.8378312E-04  -6.3480181E-05
   56   1.7114171E-04  -5.9844342E-05
   57   1.5920358E-04  -5.6446288E-05
   58   1.4792184E-04  -5.3279191E-05
   59   1.3725108E-04  -5.0334973E-05
   60   1.2714764E-04  -4.7604360E-05
   61   1.1756982E-04  -4.5076950E-05
   62   1.0847810E-04  -4.2741262E-05
   63   9.9835379E-05  -4.0584785E-05
   64   9.1607147E-05  -3.8594025E-05
   65   8.3761687E-05  -3.6754549E-05
   66   7.6270263E-05  -3.5051018E-05
   67   6.9107292E-05  -3.3467229E-05
   68   6.2250515E-05  -3.1986143E-05
   69   5.5215476E-05  -3.0589922E-05
   70   4.6183616E-05  -2.9280820E-05
   71   4.0403139E-05  -2.8079043E-05
   72   3.4850975E-05  -2.6999808E-05
   73   2.9501496E-05  -2.6053524E-05
   74   2.4327461E-05  -2.5245959E-05
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75   1.9300923E-05  -2.4578384E-05
76   1.4394124E-05  -2.4047702E-05
77   9.5803492E-06  -2.3646554E-05
78   4.8347774E-06  -2.3363405E-05
79   1.3530505E-07  -2.3182609E-05
80  -4.5366348E-06  -2.3084456E-05
81  -9.1952630E-06  -2.3045199E-05
82  -1.3849882E-05  -2.3037074E-05
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:43                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                      :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      5.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -2.4201E-03   0.000       0.000       6.080       3.040          ACTIVE   0.000     -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.3868     -2.3624E-03   3.800       1.934       9.880       4.940          ACTIVE   0.000     -0.5200       0.000
1.000       1.000       1.934       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D  0.7737     -2.3046E-03   7.600       3.868       13.68       6.840          ACTIVE   0.000     -0.7200       0.000
1.000       1.000       3.868       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.161     -2.2469E-03   11.40       5.803       17.48       8.740          ACTIVE   0.000     -0.9200       0.000
1.000       1.000       5.803       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.547     -2.1892E-03   15.20       7.737       21.28       10.64          ACTIVE   0.000      -1.120       0.000
1.000       1.000       7.737       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   1.934     -2.1315E-03   19.00       9.671       25.08       12.54          ACTIVE   0.000      -1.320       0.000
1.000       1.000       9.671       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.321     -2.0738E-03   22.80       11.61       28.88       14.44          ACTIVE   0.000      -1.520       0.000
1.000       1.000       11.61       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   2.708     -2.0161E-03   26.60       13.54       32.68       16.34          ACTIVE   0.000      -1.720       0.000
1.000       1.000       13.54       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.095     -1.9585E-03   30.40       15.47       36.48       18.24          ACTIVE   0.000      -1.920       0.000
1.000       1.000       15.47       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   3.482     -1.9009E-03   34.20       17.41       40.28       20.14          ACTIVE   0.000      -2.120       0.000
1.000       1.000       17.41       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   3.868     -1.8434E-03   38.00       19.34       44.08       22.04          ACTIVE   0.000      -2.320       0.000
1.000       1.000       19.34       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.255     -1.7860E-03   41.80       21.28       47.88       23.94          ACTIVE   0.000      -2.520       0.000
1.000       1.000       21.28       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   4.642     -1.7288E-03   45.60       23.21       51.68       25.84          ACTIVE   0.000      -2.720       0.000
1.000       1.000       23.21       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.029     -1.6717E-03   49.40       25.14       55.48       27.74          ACTIVE   0.000      -2.920       0.000
1.000       1.000       25.14       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.416     -1.6149E-03   53.20       27.08       59.28       29.64          ACTIVE   0.000      -3.120       0.000
1.000       1.000       27.08       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   5.803     -1.5583E-03   57.00       29.01       63.08       31.54          ACTIVE   0.000      -3.320       0.000
1.000       1.000       29.01       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.189     -1.5021E-03   60.80       30.95       66.88       33.44          ACTIVE   0.000      -3.520       0.000
1.000       1.000       30.95       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   6.576     -1.4464E-03   64.60       32.88       70.68       35.34          ACTIVE   0.000      -3.720       0.000
1.000       1.000       32.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   6.963     -1.3911E-03   68.40       34.82       74.48       37.24          ACTIVE   0.000      -3.920       0.000
1.000       1.000       34.82       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.350     -1.3365E-03   72.20       36.75       78.28       39.14          ACTIVE   0.000      -4.120       0.000
1.000       1.000       36.75       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   7.737     -1.2825E-03   76.00       38.68       82.08       41.04          ACTIVE   0.000      -4.320       0.000
1.000       1.000       38.68       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   5.240     -1.2400E-03   78.02       24.42       84.10       42.05          ACTIVE   0.000      -4.520       1.776
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1.000       1.000       26.20       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   5.815     -1.1956E-03   79.85       25.32       85.93       42.97         ACTIVE   0.000      -4.720       3.750
1.000       1.000       29.07       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   6.389     -1.1439E-03   81.68       26.22       87.76       43.88         ACTIVE   0.000      -4.920       5.724
1.000       1.000       31.95       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   6.964     -1.0933E-03   83.50       27.12       89.58       44.79         ACTIVE   0.000      -5.120       7.698
1.000       1.000       34.82       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   7.539     -1.0439E-03   85.33       28.02       91.41       45.70         ACTIVE   0.000      -5.320       9.672
1.000       1.000       37.70       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   8.114     -9.9555E-04   87.15       28.92       93.23       46.62         ACTIVE   0.000      -5.520       11.65
1.000       1.000       40.57       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   8.689     -9.4846E-04   88.98       29.82       95.06       47.53         ACTIVE   0.000      -5.720       13.62
1.000       1.000       43.44       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   9.264     -9.0266E-04   90.81       30.72       96.89       48.44         ACTIVE   0.000      -5.920       15.59
1.000       1.000       46.32       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   9.838     -8.5817E-04   92.63       31.63       98.71       49.36         ACTIVE   0.000      -6.120       17.57
1.000       1.000       49.19       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   10.41     -8.1504E-04   94.46       32.53       100.5       50.27         ACTIVE   0.000      -6.320       19.54
1.000       1.000       52.07       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   10.99     -7.7329E-04   96.28       33.43       102.4       51.18         ACTIVE   0.000      -6.520       21.52
1.000       1.000       54.94       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   11.56     -7.3295E-04   98.11       34.33       104.2       52.10         ACTIVE   0.000      -6.720       23.49
1.000       1.000       57.82       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   12.14     -6.9404E-04   99.94       35.23       106.0       53.01         ACTIVE   0.000      -6.920       25.46
1.000       1.000       60.69       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   12.71     -6.5657E-04   101.8       36.13       107.8       53.92         ACTIVE   0.000      -7.120       27.44
1.000       1.000       63.56       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   13.29     -6.2054E-04   103.6       37.03       109.7       54.83         ACTIVE   0.000      -7.320       29.41
1.000       1.000       66.44       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   13.86     -5.8596E-04   105.4       37.93       111.5       55.75         ACTIVE   0.000      -7.520       31.39
1.000       1.000       69.31       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   14.44     -5.5282E-04   107.2       38.83       113.3       56.66         ACTIVE   0.000      -7.720       33.36
1.000       1.000       72.19       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   15.01     -5.2111E-04   109.1       39.73       115.1       57.57         ACTIVE   0.000      -7.920       35.33
1.000       1.000       75.06       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   15.59     -4.9081E-04   110.9       40.63       117.0       58.49         ACTIVE   0.000      -8.120       37.31
1.000       1.000       77.93       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   16.16     -4.6191E-04   112.7       41.53       118.8       59.40         ACTIVE   0.000      -8.320       39.28
1.000       1.000       80.81       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   16.74     -4.3438E-04   114.5       42.43       120.6       60.31         ACTIVE   0.000      -8.520       41.26
1.000       1.000       83.68       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   17.31     -4.0819E-04   116.4       43.33       122.5       61.23         ACTIVE   0.000      -8.720       43.23
1.000       1.000       86.56       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   18.03     -3.8331E-04   118.2       44.93       124.3       62.14          UL-RL  3.5318E+04  -8.920       45.20
1.000       1.000       90.13       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   18.78     -3.5970E-04   120.0       46.74       126.1       63.05          UL-RL  3.5318E+04  -9.120       47.18
1.000       1.000       93.92       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   19.53     -3.3732E-04   121.8       48.51       127.9       63.96          UL-RL  3.5318E+04  -9.320       49.15
1.000       1.000       97.66       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   20.27     -3.1613E-04   123.7       50.23       129.8       64.88          UL-RL  3.5318E+04  -9.520       51.13
1.000       1.000       101.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   21.00     -2.9609E-04   125.5       51.91       131.6       65.79          UL-RL  3.5318E+04  -9.720       53.10
1.000       1.000       105.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   21.72     -2.7715E-04   127.3       53.55       133.4       66.70          UL-RL  3.5318E+04  -9.920       55.07
1.000       1.000       108.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   22.44     -2.5925E-04   129.2       55.15       135.2       67.62          UL-RL  3.5318E+04  -10.12       57.05
1.000       1.000       112.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   23.15     -2.4236E-04   131.0       56.71       137.1       68.53          UL-RL  3.5318E+04  -10.32       59.02
1.000       1.000       115.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   23.85     -2.2641E-04   132.8       58.24       138.9       69.44          UL-RL  3.5318E+04  -10.52       61.00
1.000       1.000       119.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   24.54     -2.1137E-04   134.6       59.73       140.7       70.36          UL-RL  3.5318E+04  -10.72       62.97
1.000       1.000       122.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   25.23     -1.9718E-04   136.5       61.20       142.5       71.27          UL-RL  3.5318E+04  -10.92       64.94
1.000       1.000       126.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   25.91     -1.8378E-04   138.3       62.63       144.4       72.18          UL-RL  3.5318E+04  -11.12       66.92
1.000       1.000       129.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   26.59     -1.7114E-04   140.1       64.04       146.2       73.09          UL-RL  3.5318E+04  -11.32       68.89
1.000       1.000       132.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   27.26     -1.5920E-04   141.9       65.43       148.0       74.01          UL-RL  3.5318E+04  -11.52       70.86
1.000       1.000       136.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   27.93     -1.4792E-04   143.8       66.79       149.8       74.92          UL-RL  3.5318E+04  -11.72       72.84
1.000       1.000       139.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   28.59     -1.3725E-04   145.6       68.13       151.7       75.83          UL-RL  3.5318E+04  -11.92       74.81
1.000       1.000       142.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   29.25     -1.2715E-04   147.4       69.45       153.5       76.75          UL-RL  3.5318E+04  -12.12       76.79
1.000       1.000       146.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   29.90     -1.1757E-04   149.2       70.76       155.3       77.66          UL-RL  3.5318E+04  -12.32       78.76
1.000       1.000       149.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   30.56     -1.0848E-04   151.1       72.05       157.1       78.57          UL-RL  3.5318E+04  -12.52       80.73
1.000       1.000       152.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   31.21     -9.9835E-05   152.9       73.32       159.0       79.49          UL-RL  3.5318E+04  -12.72       82.71
1.000       1.000       156.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   31.85     -9.1607E-05   154.7       74.58       160.8       80.40          UL-RL  3.5318E+04  -12.92       84.68
1.000       1.000       159.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   32.50     -8.3762E-05   156.5       75.82       162.6       81.31          UL-RL  3.5318E+04  -13.12       86.66
1.000       1.000       162.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   33.14     -7.6270E-05   158.4       77.06       164.4       82.22          UL-RL  3.5318E+04  -13.32       88.63
1.000       1.000       165.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   33.78     -6.9107E-05   160.2       78.28       166.3       83.14          UL-RL  3.5318E+04  -13.52       90.60
1.000       1.000       168.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   34.41     -6.2251E-05   162.0       79.49       168.1       84.05          UL-RL  3.5318E+04  -13.72       92.58
1.000       1.000       172.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   32.19     -5.2215E-05   163.9       66.38       169.9       84.97          UL-RL  2.4005E+05  -13.92       94.55
1.000       1.000       160.9       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   33.14     -4.6184E-05   165.9       69.16       172.0       85.99          UL-RL  2.4005E+05  -14.12       96.53
1.000       1.000       165.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   34.08     -4.0403E-05   167.9       71.89       174.0       87.00          UL-RL  2.4005E+05  -14.32       98.50
1.000       1.000       170.4       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   35.00     -3.4851E-05   169.9       74.55       176.0       88.01          UL-RL  2.4005E+05  -14.52       100.5
1.000       1.000       175.0       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   35.92     -2.9501E-05   172.0       77.16       178.1       89.03          UL-RL  2.4005E+05  -14.72       102.4
1.000       1.000       179.6       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   36.83     -2.4327E-05   174.0       79.72       180.1       90.04          UL-RL  2.4005E+05  -14.92       104.4
1.000       1.000       184.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   37.73     -1.9301E-05   176.0       82.24       182.1       91.05          UL-RL  2.4005E+05  -15.12       106.4
1.000       1.000       188.6       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   38.62     -1.4394E-05   178.0       84.73       184.1       92.06          UL-RL  2.4005E+05  -15.32       108.4
1.000       1.000       193.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   39.51     -9.5803E-06   180.1       87.19       186.2       93.08          UL-RL  2.4005E+05  -15.52       110.3
1.000       1.000       197.5       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   40.39     -4.8348E-06   182.1       89.63       188.2       94.09          UL-RL  2.4005E+05  -15.72       112.3
1.000       1.000       202.0       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   41.27     -1.3531E-07   184.1       92.06       190.2       95.10          UL-RL  2.4005E+05  -15.92       114.3
1.000       1.000       206.4       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   42.15      4.5366E-06   186.2       94.48       192.2       96.12          UL-RL  2.4005E+05  -16.12       116.3
1.000       1.000       210.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   43.03      9.1953E-06   188.2       96.90       194.3       97.13          UL-RL  2.4005E+05  -16.32       118.2
1.000       1.000       215.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   21.87      1.3850E-05   190.2       98.53       196.3       98.53           V-C  8.0017E+04  -16.52       120.2
1.000       1.000       218.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                  Exe Time :28 January 2022   10:29:43                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      5.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1     0.000         --          --          --          --          --         REMOVED     --      -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --         REMOVED     --      -0.5200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --         REMOVED     --      -0.7200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --         REMOVED     --      -0.9200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --         REMOVED     --       -1.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --         REMOVED     --       -1.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --         REMOVED     --       -1.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --         REMOVED     --       -1.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --         REMOVED     --       -1.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --         REMOVED     --       -2.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --         REMOVED     --       -2.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --         REMOVED     --       -2.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --         REMOVED     --       -2.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --         REMOVED     --       -2.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --         REMOVED     --       -3.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  16 D   0.000      1.5583E-03   0.000       0.000       63.08       32.14         PASSIVE   0.000      -3.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   1.704      1.5021E-03   3.800       8.520       66.88       33.91         PASSIVE   0.000      -3.520       0.000
1.000       1.000       8.520       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   3.408      1.4464E-03   7.600       17.04       70.68       35.68         PASSIVE   0.000      -3.720       0.000
1.000       1.000       17.04       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   5.112      1.3911E-03   11.40       25.56       74.48       37.45         PASSIVE   0.000      -3.920       0.000
1.000       1.000       25.56       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   6.816      1.3365E-03   15.20       34.08       78.28       39.22         PASSIVE   0.000      -4.120       0.000
1.000       1.000       34.08       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   8.520      1.2825E-03   19.00       42.60       82.08       42.60         PASSIVE   0.000      -4.320       0.000
1.000       1.000       42.60       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   9.836      1.2400E-03   22.80       49.18       85.88       49.18           V-C   9556.      -4.520       0.000
1.000       1.000       49.18       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   10.22      1.1956E-03   25.92       50.43       89.00       50.43           V-C   9556.      -4.720       0.6798
1.000       1.000       51.11       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   10.71      1.1439E-03   27.69       50.82       90.77       50.82           V-C   9556.      -4.920       2.706
1.000       1.000       53.53       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   11.19      1.0933E-03   29.47       51.22       92.55       51.22           V-C   9556.      -5.120       4.732
1.000       1.000       55.95       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   11.68      1.0439E-03   31.24       51.63       94.32       51.63           V-C   9556.      -5.320       6.758
1.000       1.000       58.39       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   12.17      9.9555E-04   33.02       52.05       96.10       52.05           V-C   9556.      -5.520       8.784
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1.000       1.000       60.83       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   12.66      9.4846E-04   34.79       52.48       97.87       52.48            V-C   9556.      -5.720       10.81
1.000       1.000       63.29       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   13.15      9.0266E-04   36.56       52.92       99.64       52.92            V-C   9556.      -5.920       12.84
1.000       1.000       65.76       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   13.65      8.5817E-04   38.34       53.38       101.4       53.38            V-C   9556.      -6.120       14.86
1.000       1.000       68.24       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   14.15      8.1504E-04   40.11       53.84       103.2       53.84            V-C   9556.      -6.320       16.89
1.000       1.000       70.73       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   14.65      7.7329E-04   41.89       54.33       105.0       54.33            V-C   9556.      -6.520       18.91
1.000       1.000       73.24       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   15.15      7.3295E-04   43.66       54.82       106.7       54.82            V-C   9556.      -6.720       20.94
1.000       1.000       75.76       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   15.66      6.9404E-04   45.43       55.33       108.5       55.33            V-C   9556.      -6.920       22.97
1.000       1.000       78.30       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   16.17      6.5657E-04   47.21       55.86       110.3       55.86            V-C   9556.      -7.120       24.99
1.000       1.000       80.85       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   16.68      6.2054E-04   48.98       56.40       112.1       56.40            V-C   9556.      -7.320       27.02
1.000       1.000       83.41       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   17.11      5.8596E-04   50.76       56.51       113.8       57.17         UL-RL  2.8668E+04  -7.520       29.04
1.000       1.000       85.55       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   17.50      5.5282E-04   52.53       56.45       115.6       58.05         UL-RL  2.8668E+04  -7.720       31.07
1.000       1.000       87.52       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   17.91      5.2111E-04   54.30       56.43       117.4       58.93         UL-RL  2.8668E+04  -7.920       33.10
1.000       1.000       89.53       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   18.32      4.9081E-04   56.08       56.45       119.2       59.81         UL-RL  2.8668E+04  -8.120       35.12
1.000       1.000       91.58       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   18.73      4.6191E-04   57.85       56.52       120.9       60.69         UL-RL  2.8668E+04  -8.320       37.15
1.000       1.000       93.67       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   19.16      4.3438E-04   59.63       56.62       122.7       61.57         UL-RL  2.8668E+04  -8.520       39.17
1.000       1.000       95.80       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   19.59      4.0819E-04   61.40       56.77       124.5       62.46         UL-RL  2.8668E+04  -8.720       41.20
1.000       1.000       97.97       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   20.04      3.8331E-04   63.17       56.95       126.3       63.34         UL-RL  2.8668E+04  -8.920       43.23
1.000       1.000       100.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   20.49      3.5970E-04   64.95       57.17       128.0       64.22         UL-RL  2.8668E+04  -9.120       45.25
1.000       1.000       102.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   20.94      3.3732E-04   66.72       57.43       129.8       65.10         UL-RL  2.8668E+04  -9.320       47.28
1.000       1.000       104.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   21.40      3.1613E-04   68.50       57.72       131.6       65.98         UL-RL  2.8668E+04  -9.520       49.30
1.000       1.000       107.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   21.87      2.9609E-04   70.27       58.04       133.3       66.86         UL-RL  2.8668E+04  -9.720       51.33
1.000       1.000       109.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   22.35      2.7715E-04   72.04       58.40       135.1       67.74         UL-RL  2.8668E+04  -9.920       53.36
1.000       1.000       111.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   22.83      2.5925E-04   73.82       58.78       136.9       68.63         UL-RL  2.8668E+04  -10.12       55.38
1.000       1.000       114.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   23.32      2.4236E-04   75.59       59.20       138.7       69.51         UL-RL  2.8668E+04  -10.32       57.41
1.000       1.000       116.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   23.81      2.2641E-04   77.37       59.64       140.4       70.39         UL-RL  2.8668E+04  -10.52       59.43
1.000       1.000       119.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  53 D   24.31      2.1137E-04   79.14       60.10       142.2       71.27         UL-RL  2.8668E+04  -10.72       61.46
1.000       1.000       121.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   24.81      1.9718E-04   80.91       60.59       144.0       72.15         UL-RL  2.8668E+04  -10.92       63.49
1.000       1.000       124.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   25.32      1.8378E-04   82.69       61.10       145.8       73.03         UL-RL  2.8668E+04  -11.12       65.51
1.000       1.000       126.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   25.83      1.7114E-04   84.46       61.63       147.5       73.91         UL-RL  2.8668E+04  -11.32       67.54
1.000       1.000       129.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   26.35      1.5920E-04   86.24       62.18       149.3       74.80         UL-RL  2.8668E+04  -11.52       69.56
1.000       1.000       131.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  58 D   26.87      1.4792E-04   88.01       62.74       151.1       75.68          UL-RL  2.8668E+04  -11.72       71.59
1.000       1.000       134.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   27.39      1.3725E-04   89.78       63.33       152.9       76.56          UL-RL  2.8668E+04  -11.92       73.62
1.000       1.000       136.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   27.91      1.2715E-04   91.56       63.92       154.6       77.44          UL-RL  2.8668E+04  -12.12       75.64
1.000       1.000       139.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   28.44      1.1757E-04   93.33       64.53       156.4       78.32          UL-RL  2.8668E+04  -12.32       77.67
1.000       1.000       142.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   28.97      1.0848E-04   95.11       65.16       158.2       79.20          UL-RL  2.8668E+04  -12.52       79.69
1.000       1.000       144.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   29.50      9.9835E-05   96.88       65.79       160.0       80.09          UL-RL  2.8668E+04  -12.72       81.72
1.000       1.000       147.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   30.04      9.1607E-05   98.65       66.44       161.7       80.97          UL-RL  2.8668E+04  -12.92       83.75
1.000       1.000       150.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   30.57      8.3762E-05   100.4       67.09       163.5       81.85          UL-RL  2.8668E+04  -13.12       85.77
1.000       1.000       152.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   31.11      7.6270E-05   102.2       67.76       165.3       82.73          UL-RL  2.8668E+04  -13.32       87.80
1.000       1.000       155.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   31.65      6.9107E-05   104.0       68.43       167.1       83.61          UL-RL  2.8668E+04  -13.52       89.82
1.000       1.000       158.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   32.19      6.2251E-05   105.7       69.11       168.8       84.49          UL-RL  2.8668E+04  -13.72       91.85
1.000       1.000       161.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   34.96      5.2215E-05   107.5       80.91       170.6       85.38          UL-RL  1.8746E+05  -13.92       93.88
1.000       1.000       174.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   35.29      4.6184E-05   109.5       80.55       172.6       86.36          UL-RL  1.8746E+05  -14.12       95.90
1.000       1.000       176.5       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   35.63      4.0403E-05   111.5       80.24       174.6       87.34          UL-RL  1.8746E+05  -14.32       97.93
1.000       1.000       178.2       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   35.99      3.4851E-05   113.5       79.98       176.5       88.33          UL-RL  1.8746E+05  -14.52       99.95
1.000       1.000       179.9       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   36.35      2.9501E-05   115.4       79.75       178.5       89.31          UL-RL  1.8746E+05  -14.72       102.0
1.000       1.000       181.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   36.71      2.4327E-05   117.4       79.56       180.5       90.29          UL-RL  1.8746E+05  -14.92       104.0
1.000       1.000       183.6       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   37.09      1.9301E-05   119.4       79.41       182.5       91.27          UL-RL  1.8746E+05  -15.12       106.0
1.000       1.000       185.4       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   37.47      1.4394E-05   121.4       79.27       184.4       92.25          UL-RL  1.8746E+05  -15.32       108.1
1.000       1.000       187.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   37.85      9.5803E-06   123.3       79.16       186.4       93.23          UL-RL  1.8746E+05  -15.52       110.1
1.000       1.000       189.2       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   38.23      4.8348E-06   125.3       79.06       188.4       94.22          UL-RL  1.8746E+05  -15.72       112.1
1.000       1.000       191.2       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   38.62      1.3531E-07   127.3       78.98       190.4       95.20          UL-RL  1.8746E+05  -15.92       114.1
1.000       1.000       193.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   39.01     -4.5366E-06   129.3       78.89       192.3       96.18          UL-RL  1.8746E+05  -16.12       116.2
1.000       1.000       195.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   39.40     -9.1953E-06   131.2       78.81       194.3       97.16          UL-RL  1.8746E+05  -16.32       118.2
1.000       1.000       197.0       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   19.89     -1.3850E-05   133.2       78.73       196.3       98.14          UL-RL  1.8746E+05  -16.52       120.2
1.000       1.000       198.9       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
```

New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   81
C U R R E N T   T I M E   I S   5.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

EL	TA	TB	MA	MB
1	2.54090E-11	-2.54090E-11	2.74447E-12	2.44231E-10
2	0.38684	-0.38684	-4.42427E-10	7.73680E-02
3	1.1605	-1.1605	-7.73680E-02	0.30947
4	2.3210	-2.3210	-0.30947	0.77368
5	3.8684	-3.8684	-0.77368	1.5474
6	5.8026	-5.8026	-1.5474	2.7079
7	8.1236	-8.1236	-2.7079	4.3326
8	10.832	-10.832	-4.3326	6.4989
9	13.926	-13.926	-6.4989	9.2842
10	17.408	-17.408	-9.2842	12.766
11	21.276	-21.276	-12.766	17.021
12	25.531	-25.531	-17.021	22.127
13	30.174	-30.174	-22.127	28.162
14	35.202	-35.202	-28.162	35.202
15	40.618	-40.618	-35.202	43.326
16	46.421	-46.421	-43.326	52.610
17	50.906	-50.906	-52.610	62.792
18	54.075	-54.075	-62.792	73.607
19	55.926	-55.926	-73.607	84.792
20	56.460	-56.460	-84.792	96.084
21	55.678	-55.678	-96.084	107.22
22	51.082	-51.082	-107.22	117.44
23	46.675	-46.675	-117.44	126.77
24	42.359	-42.359	-126.77	135.24
25	38.133	-38.133	-135.24	142.87
26	33.995	-33.995	-142.87	149.67
27	29.943	-29.943	-149.67	155.66
28	25.975	-25.975	-155.66	160.85
29	22.087	-22.087	-160.85	165.27
30	18.278	-18.278	-165.27	168.92
31	14.545	-14.545	-168.92	171.83
32	10.885	-10.885	-171.83	174.01
33	7.2955	-7.2955	-174.01	175.47
34	3.7737	-3.7737	-175.47	176.22
35	0.31672	-0.31672	-176.22	176.29
36	-3.0784	3.0784	-176.29	175.67
37	-6.3267	6.3267	-175.67	174.41
38	-9.3933	9.3933	-174.41	172.53
39	-12.287	12.287	-172.53	170.07
40	-15.015	15.015	-170.07	167.07
41	-17.587	17.587	-167.07	163.55
42	-20.010	20.010	-163.55	159.55
43	-22.292	22.292	-159.55	155.09
44	-24.302	24.302	-155.09	150.23
45	-26.003	26.003	-150.23	145.03
46	-27.413	27.413	-145.03	139.55
47	-28.547	28.547	-139.55	133.84
48	-29.420	29.420	-133.84	127.95
49	-30.047	30.047	-127.95	121.94
50	-30.442	30.442	-121.94	115.86
51	-30.617	30.617	-115.86	109.73
52	-30.585	30.585	-109.73	103.62
53	-30.357	30.357	-103.62	97.544
54	-29.943	29.943	-97.544	91.555
55	-29.356	29.356	-91.555	85.684
56	-28.602	28.602	-85.684	79.964
57	-27.692	27.692	-79.964	74.426
58	-26.632	26.632	-74.426	69.099
59	-25.432	25.432	-69.099	64.013
60	-24.097	24.097	-64.013	59.193
61	-22.633	22.633	-59.193	54.667
62	-21.048	21.048	-54.667	50.457
63	-19.344	19.344	-50.457	46.588
64	-17.529	17.529	-46.588	43.082
65	-15.606	15.606	-43.082	39.961
66	-13.580	13.580	-39.961	37.245
67	-11.453	11.453	-37.245	34.955
68	-9.2313	9.2313	-34.955	33.108
69	-12.003	12.003	-33.108	30.708
70	-14.156	14.156	-30.708	27.876

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   71 -15.712      15.712     -27.876      24.734
   72 -16.693      16.693     -24.734      21.395
   73 -17.118      17.118     -21.395      17.972
   74 -17.003      17.003     -17.972      14.571
   75 -16.363      16.363     -14.571      11.299
   76 -15.210      15.210     -11.299      8.2566
   77 -13.552      13.552     -8.2566      5.5463
   78 -11.396      11.396     -5.5463      3.2671
   79 -8.7473      8.7473     -3.2671      1.5177
   80 -5.6082      5.6082     -1.5177     0.39603
   81 -1.9801      1.9801    -0.39603    -2.97205E-15

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1771E+06 RIMNOR=0.1670E+07
           RENORM= 1009.     REMNOR=0.2355E-18 RATIO =0.7550E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 56.46     RMMAX = 176.3
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1771E+06 RDR   =0.1670E+07
           RATIOT=0.7550E-01 RATIOR= 0.000
           MAX UN= 10.41     IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           MIN UN=-.3065E-08 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1771E+06 RIMNOR=0.1670E+07
           RENORM= 269.9     REMNOR=0.1402E-16 RATIO =0.3904E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 56.46     RMMAX = 176.3
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1771E+06 RDR   =0.1670E+07
           RATIOT=0.3904E-01 RATIOR= 0.000
           MAX UN= 5.558     IEQ=    51 NODE     26 DOF   1  Y-DISPL.F
           MIN UN=-2.148     IEQ=   159 NODE     80 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1771E+06 RIMNOR=0.1670E+07
           RENORM= 42.39     REMNOR=0.1930E-16 RATIO =0.1547E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 56.46     RMMAX = 176.3
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1771E+06 RDR   =0.1670E+07
           RATIOT=0.1547E-01 RATIOR= 0.000
           MAX UN= 2.468     IEQ=    93 NODE     47 DOF   1  Y-DISPL.F
           MIN UN=-.8992     IEQ=   151 NODE     76 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1771E+06 RIMNOR=0.1670E+07
           RENORM=0.7316     REMNOR=0.7942E-17 RATIO =0.2033E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 56.46     RMMAX = 176.3
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1771E+06 RDR   =0.1670E+07
           RATIOT=0.2033E-02 RATIOR= 0.000
           MAX UN=0.4615     IEQ=   131 NODE     66 DOF   1  Y-DISPL.F
           MIN UN=-.3975     IEQ=   151 NODE     76 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1771E+06 RIMNOR=0.1670E+07
           RENORM=0.3286E-04 REMNOR=0.5071E-17 RATIO =0.1362E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 56.46     RMMAX = 176.3
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1771E+06 RDR   =0.1670E+07
           RATIOT=0.1362E-04 RATIOR= 0.000
           MAX UN=0.1651E-07 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN=-.5732E-02 IEQ=   155 NODE     78 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

New Project
SOLUTION REACHED USING   5 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P   6   (AT TIME   6.000   ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

	Y-DISPL.F 02	X-ROT. F 04
1	1.0810035E-02	-9.7215341E-04
2	1.0615604E-02	-9.7215341E-04
3	1.0421174E-02	-9.7215182E-04
4	1.0226744E-02	-9.7214389E-04
5	1.0032317E-02	-9.7212167E-04
6	9.8378969E-03	-9.7207405E-04
7	9.6434900E-03	-9.7198676E-04
8	9.4491060E-03	-9.7184234E-04
9	9.2547582E-03	-9.7162014E-04
10	9.0604647E-03	-9.7129637E-04
11	8.8662483E-03	-9.7084405E-04
12	8.6721376E-03	-9.7023301E-04
13	8.4781679E-03	-9.6942994E-04
14	8.2843809E-03	-9.6839832E-04
15	8.0908264E-03	-9.6709849E-04
16	7.8975622E-03	-9.6548758E-04
17	7.7046552E-03	-9.6351957E-04
18	7.5121805E-03	-9.6114526E-04
19	7.3202267E-03	-9.5831228E-04
20	7.1288909E-03	-9.5496509E-04
21	6.9382798E-03	-9.5104495E-04
22	6.7591936E-03	-9.4648997E-04
23	6.5781915E-03	-9.4124765E-04
24	6.3902141E-03	-9.3527493E-04
25	6.2035091E-03	-9.2852572E-04
26	6.0182346E-03	-9.2095075E-04
27	5.8345595E-03	-9.1253542E-04
28	5.6526491E-03	-9.0330915E-04
29	5.4726616E-03	-8.9331511E-04
30	5.2947462E-03	-8.8260655E-04
31	5.1190382E-03	-8.7124135E-04
32	4.9456640E-03	-8.5927750E-04
33	4.7747378E-03	-8.4677120E-04
34	4.6063625E-03	-8.3377701E-04
35	4.4406304E-03	-8.2034781E-04
36	4.2776241E-03	-8.0653491E-04
37	4.1174139E-03	-7.9238780E-04
38	3.9600624E-03	-7.7795456E-04
39	3.8056223E-03	-7.6328166E-04
40	3.6541370E-03	-7.4841401E-04
41	3.5056410E-03	-7.3339502E-04
42	3.3601605E-03	-7.1826664E-04
43	3.2177139E-03	-7.0306943E-04
44	3.0783096E-03	-6.8784232E-04
45	2.9419506E-03	-6.7262310E-04
46	2.8086316E-03	-6.5744812E-04
47	2.6783402E-03	-6.4235245E-04
48	2.5510578E-03	-6.2736993E-04
49	2.4267573E-03	-6.1253294E-04
50	2.3054040E-03	-5.9787254E-04
51	2.1869714E-03	-5.8342031E-04
52	2.0714002E-03	-5.6920344E-04
53	1.9586465E-03	-5.5525056E-04
54	1.8486547E-03	-5.4158848E-04
55	1.7413640E-03	-5.2824295E-04
56	1.6367088E-03	-5.1523870E-04
57	1.5346183E-03	-5.0259947E-04
58	1.4350172E-03	-4.9034804E-04
59	1.3378258E-03	-4.7850623E-04
60	1.2429601E-03	-4.6709447E-04
61	1.1503322E-03	-4.5613084E-04
62	1.0598509E-03	-4.4563069E-04
63	9.7142215E-04	-4.3560668E-04
64	8.8494978E-04	-4.2606884E-04
65	8.0033571E-04	-4.1702465E-04
66	7.1748068E-04	-4.0847910E-04
67	6.3628466E-04	-4.0043472E-04
68	5.5664736E-04	-3.9289167E-04
69	4.7500309E-04	-3.8584659E-04
70	3.9844902E-04	-3.7932024E-04
71	3.2314458E-04	-3.7335725E-04
72	2.4897306E-04	-3.6799723E-04
73	1.7581032E-04	-3.6327489E-04
74	1.0352578E-04	-3.5921956E-04

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75   3.1983899E-05  -3.5585034E-04
76  -3.8952718E-05  -3.5316375E-04
77  -1.0941787E-04  -3.5112826E-04
78  -1.7953660E-04  -3.4968857E-04
79  -2.4942072E-04  -3.4876742E-04
80  -3.1916444E-04  -3.4826648E-04
81  -3.8884024E-04  -3.4806650E-04
82  -4.5849798E-04  -3.4802547E-04
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:43                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      6.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -1.0810E-02   0.000       0.000       6.080       3.040          ACTIVE   0.000     -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.3868     -1.0616E-02   3.800       1.934       9.880       4.940          ACTIVE   0.000     -0.5200       0.000
1.000       1.000       1.934       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D  0.7737     -1.0421E-02   7.600       3.868       13.68       6.840          ACTIVE   0.000     -0.7200       0.000
1.000       1.000       3.868       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.161     -1.0227E-02   11.40       5.803       17.48       8.740          ACTIVE   0.000     -0.9200       0.000
1.000       1.000       5.803       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.547     -1.0032E-02   15.20       7.737       21.28       10.64          ACTIVE   0.000      -1.120       0.000
1.000       1.000       7.737       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   1.934     -9.8379E-03   19.00       9.671       25.08       12.54          ACTIVE   0.000      -1.320       0.000
1.000       1.000       9.671       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.321     -9.6435E-03   22.80       11.61       28.88       14.44          ACTIVE   0.000      -1.520       0.000
1.000       1.000       11.61       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   2.708     -9.4491E-03   26.60       13.54       32.68       16.34          ACTIVE   0.000      -1.720       0.000
1.000       1.000       13.54       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.095     -9.2548E-03   30.40       15.47       36.48       18.24          ACTIVE   0.000      -1.920       0.000
1.000       1.000       15.47       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   3.482     -9.0605E-03   34.20       17.41       40.28       20.14          ACTIVE   0.000      -2.120       0.000
1.000       1.000       17.41       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   3.868     -8.8662E-03   38.00       19.34       44.08       22.04          ACTIVE   0.000      -2.320       0.000
1.000       1.000       19.34       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.255     -8.6721E-03   41.80       21.28       47.88       23.94          ACTIVE   0.000      -2.520       0.000
1.000       1.000       21.28       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   4.642     -8.4782E-03   45.60       23.21       51.68       25.84          ACTIVE   0.000      -2.720       0.000
1.000       1.000       23.21       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.029     -8.2844E-03   49.40       25.14       55.48       27.74          ACTIVE   0.000      -2.920       0.000
1.000       1.000       25.14       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.416     -8.0908E-03   53.20       27.08       59.28       29.64          ACTIVE   0.000      -3.120       0.000
1.000       1.000       27.08       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   5.803     -7.8976E-03   57.00       29.01       63.08       31.54          ACTIVE   0.000      -3.320       0.000
1.000       1.000       29.01       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.189     -7.7047E-03   60.80       30.95       66.88       33.44          ACTIVE   0.000      -3.520       0.000
1.000       1.000       30.95       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   6.576     -7.5122E-03   64.60       32.88       70.68       35.34          ACTIVE   0.000      -3.720       0.000
1.000       1.000       32.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   6.963     -7.3202E-03   68.40       34.82       74.48       37.24          ACTIVE   0.000      -3.920       0.000
1.000       1.000       34.82       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.350     -7.1289E-03   72.20       36.75       78.28       39.14          ACTIVE   0.000      -4.120       0.000
1.000       1.000       36.75       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   7.737     -6.9383E-03   76.00       38.68       82.08       41.04          ACTIVE   0.000      -4.320       0.000
1.000       1.000       38.68       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   5.060     -6.7592E-03   79.80       25.30       84.10       42.05          ACTIVE   0.000      -4.520       0.000
```

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1.000       1.000       25.30       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   5.434     -6.5782E-03   83.60       27.17       85.93       42.97         ACTIVE   0.000      -4.720       0.000
1.000       1.000       27.17       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   5.809     -6.3902E-03   87.40       29.05       87.76       43.88         ACTIVE   0.000      -4.920       0.000
1.000       1.000       29.05       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   6.184     -6.2035E-03   91.20       30.92       91.20       44.79         ACTIVE   0.000      -5.120       0.000
1.000       1.000       30.92       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   6.638     -6.0182E-03   94.21       32.40       94.21       45.70         ACTIVE   0.000      -5.320       0.7855
1.000       1.000       33.19       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   7.212     -5.8346E-03   96.05       33.31       96.05       46.62         ACTIVE   0.000      -5.520       2.752
1.000       1.000       36.06       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   7.786     -5.6526E-03   97.88       34.21       97.88       47.53         ACTIVE   0.000      -5.720       4.718
1.000       1.000       38.93       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   8.360     -5.4727E-03   99.72       35.12       99.72       48.44         ACTIVE   0.000      -5.920       6.684
1.000       1.000       41.80       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   8.934     -5.2947E-03   101.5       36.02       101.5       49.36         ACTIVE   0.000      -6.120       8.650
1.000       1.000       44.67       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   9.508     -5.1190E-03   103.4       36.93       103.4       50.27         ACTIVE   0.000      -6.320       10.62
1.000       1.000       47.54       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   10.08     -4.9457E-03   105.2       37.83       105.2       51.18         ACTIVE   0.000      -6.520       12.58
1.000       1.000       50.41       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   10.66     -4.7747E-03   107.1       38.73       107.1       52.10         ACTIVE   0.000      -6.720       14.55
1.000       1.000       53.28       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   11.23     -4.6064E-03   108.9       39.64       108.9       53.01         ACTIVE   0.000      -6.920       16.52
1.000       1.000       56.15       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   11.80     -4.4406E-03   110.7       40.54       110.7       53.92         ACTIVE   0.000      -7.120       18.48
1.000       1.000       59.02       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   12.38     -4.2776E-03   112.6       41.45       112.6       54.83         ACTIVE   0.000      -7.320       20.45
1.000       1.000       61.89       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   12.95     -4.1174E-03   114.4       42.35       114.4       55.75         ACTIVE   0.000      -7.520       22.41
1.000       1.000       64.76       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   13.53     -3.9601E-03   116.2       43.25       116.2       56.66         ACTIVE   0.000      -7.720       24.38
1.000       1.000       67.63       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   14.10     -3.8056E-03   118.1       44.16       118.1       57.57         ACTIVE   0.000      -7.920       26.35
1.000       1.000       70.50       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   14.67     -3.6541E-03   119.9       45.06       119.9       58.49         ACTIVE   0.000      -8.120       28.31
1.000       1.000       73.37       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   15.25     -3.5056E-03   121.7       45.97       121.7       59.40         ACTIVE   0.000      -8.320       30.28
1.000       1.000       76.24       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   15.82     -3.3602E-03   123.6       46.87       123.6       60.31         ACTIVE   0.000      -8.520       32.25
1.000       1.000       79.11       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   16.40     -3.2177E-03   125.4       47.77       125.4       61.23         ACTIVE   0.000      -8.720       34.21
1.000       1.000       81.99       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   16.97     -3.0783E-03   127.2       48.68       127.2       62.14         ACTIVE   0.000      -8.920       36.18
1.000       1.000       84.86       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   17.55     -2.9420E-03   129.1       49.58       129.1       63.05         ACTIVE   0.000      -9.120       38.14
1.000       1.000       87.73       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   18.12     -2.8086E-03   130.9       50.49       130.9       63.96         ACTIVE   0.000      -9.320       40.11
1.000       1.000       90.60       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   18.69     -2.6783E-03   132.7       51.39       132.7       64.88         ACTIVE   0.000      -9.520       42.08
1.000       1.000       93.47       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   19.27     -2.5511E-03   134.6       52.29       134.6       65.79         ACTIVE   0.000      -9.720       44.04
1.000       1.000       96.34       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   19.84     -2.4268E-03   136.4       53.20       136.4       66.70         ACTIVE   0.000      -9.920       46.01
1.000       1.000       99.21       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   20.42     -2.3054E-03   138.2       54.10       138.2       67.62         ACTIVE   0.000      -10.12       47.98
1.000       1.000       102.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   20.99     -2.1870E-03   140.1       55.01       140.1       68.53         ACTIVE   0.000      -10.32       49.94
1.000       1.000       104.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   21.56     -2.0714E-03   141.9       55.91       141.9       69.44         ACTIVE   0.000      -10.52       51.91
1.000       1.000       107.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   22.14     -1.9586E-03   143.7       56.81       143.7       70.36          ACTIVE   0.000      -10.72       53.87
1.000       1.000       110.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   22.71     -1.8487E-03   145.6       57.72       145.6       71.27          ACTIVE   0.000      -10.92       55.84
1.000       1.000       113.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   23.29     -1.7414E-03   147.4       58.62       147.4       72.18          ACTIVE   0.000      -11.12       57.81
1.000       1.000       116.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   23.86     -1.6367E-03   149.2       59.53       149.2       73.09          ACTIVE   0.000      -11.32       59.77
1.000       1.000       119.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   24.43     -1.5346E-03   151.1       60.43       151.1       74.01          ACTIVE   0.000      -11.52       61.74
1.000       1.000       122.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   25.01     -1.4350E-03   152.9       61.33       152.9       74.92          ACTIVE   0.000      -11.72       63.70
1.000       1.000       125.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   25.58     -1.3378E-03   154.7       62.24       154.7       75.83          ACTIVE   0.000      -11.92       65.67
1.000       1.000       127.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   26.16     -1.2430E-03   156.6       63.14       156.6       76.75          ACTIVE   0.000      -12.12       67.64
1.000       1.000       130.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   26.73     -1.1503E-03   158.4       64.05       158.4       77.66          ACTIVE   0.000      -12.32       69.60
1.000       1.000       133.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   27.30     -1.0599E-03   160.2       64.95       160.2       78.57          ACTIVE   0.000      -12.52       71.57
1.000       1.000       136.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   27.88     -9.7142E-04   162.1       65.85       162.1       79.49          ACTIVE   0.000      -12.72       73.54
1.000       1.000       139.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   28.45     -8.8495E-04   163.9       66.76       163.9       80.40          ACTIVE   0.000      -12.92       75.50
1.000       1.000       142.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   29.03     -8.0034E-04   165.7       67.66       165.7       81.31          ACTIVE   0.000      -13.12       77.47
1.000       1.000       145.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   29.60     -7.1748E-04   167.6       68.57       167.6       82.22          ACTIVE   0.000      -13.32       79.43
1.000       1.000       148.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   30.17     -6.3628E-04   169.4       69.47       169.4       83.14          ACTIVE   0.000      -13.52       81.40
1.000       1.000       150.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   31.03     -5.5665E-04   171.2       71.77       171.2       84.05           UL-RL  2.1891E+04  -13.72       83.37
1.000       1.000       155.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   30.63     -4.7500E-04   173.1       67.80       173.1       84.97          ACTIVE   0.000      -13.92       85.33
1.000       1.000       153.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   31.21     -3.9845E-04   175.1       68.76       175.1       85.99          ACTIVE   0.000      -14.12       87.30
1.000       1.000       156.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   31.80     -3.2314E-04   177.2       69.71       177.2       87.00          ACTIVE   0.000      -14.32       89.27
1.000       1.000       159.0       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   32.38     -2.4897E-04   179.2       70.67       179.2       88.01          ACTIVE   0.000      -14.52       91.23
1.000       1.000       161.9       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   32.97     -1.7581E-04   181.2       71.63       181.2       89.03          ACTIVE   0.000      -14.72       93.20
1.000       1.000       164.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   33.55     -1.0353E-04   183.3       72.59       183.3       90.04          ACTIVE   0.000      -14.92       95.16
1.000       1.000       167.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   36.12     -3.1984E-05   185.3       83.48       185.3       91.05           UL-RL  1.4879E+05  -15.12       97.13
1.000       1.000       180.6       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   38.08      3.8953E-05   187.3       91.30       187.3       94.31           UL-RL  1.4879E+05  -15.32       99.10
1.000       1.000       190.4       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   39.63      1.0942E-04   189.4       97.07       189.4       98.56           UL-RL  1.4879E+05  -15.52       101.1
1.000       1.000       198.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   41.16      1.7954E-04   191.4       102.8       191.4       102.8            V-C  4.9597E+04  -15.72       103.0
1.000       1.000       205.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   42.52      2.4942E-04   193.4       107.6       193.4       107.6            V-C  4.9597E+04  -15.92       105.0
1.000       1.000       212.6       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   44.04      3.1916E-04   195.5       113.2       195.5       113.2            V-C  4.9597E+04  -16.12       107.0
1.000       1.000       220.2       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   45.82      3.8884E-04   197.5       120.2       197.5       120.2            V-C  4.9597E+04  -16.32       108.9
1.000       1.000       229.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   23.61      4.5850E-04   199.5       125.2       199.5       125.2            V-C  4.9597E+04  -16.52       110.9
1.000       1.000       236.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:43                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      6.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1     0.000         --          --          --          --          --         REMOVED     --      -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --         REMOVED     --      -0.5200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --         REMOVED     --      -0.7200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --         REMOVED     --      -0.9200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --         REMOVED     --       -1.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --         REMOVED     --       -1.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --         REMOVED     --       -1.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --         REMOVED     --       -1.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --         REMOVED     --       -1.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --         REMOVED     --       -2.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --         REMOVED     --       -2.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --         REMOVED     --       -2.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --         REMOVED     --       -2.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --         REMOVED     --       -2.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --         REMOVED     --       -3.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --         REMOVED     --       -3.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --         REMOVED     --       -3.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --         REMOVED     --       -3.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --         REMOVED     --       -3.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --         REMOVED     --       -4.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --         REMOVED     --       -4.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --         REMOVED     --       -4.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --         REMOVED     --       -4.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  24     0.000         --          --          --          --          --         REMOVED     --       -4.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  25     0.000         --          --          --          --          --         REMOVED     --       -5.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  26 D   9.257      6.0182E-03   3.040       46.29       94.32       51.63        PASSIVE   0.000      -5.320       0.000
1.000       1.000       46.29       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   11.76      5.8346E-03   6.840       58.79       96.10       58.79        PASSIVE   0.000      -5.520       0.000
1.000       1.000       58.79       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   13.77      5.6526E-03   9.568       67.77       97.87       67.77        PASSIVE   0.000      -5.720       1.072
1.000       1.000       68.84       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   15.34      5.4727E-03   11.33       73.58       99.64       73.58        PASSIVE   0.000      -5.920       3.105
1.000       1.000       76.69       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   16.10      5.2947E-03   13.10       75.34       101.4       75.34             V-C   5923.      -6.120       5.139
1.000       1.000       80.48       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
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0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   16.46      5.1190E-03   14.87       75.14       103.2       75.14            V-C   5923.      -6.320       7.173
1.000       1.000       82.32       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   16.83      4.9457E-03   16.63       74.95       105.0       74.95            V-C   5923.      -6.520       9.207
1.000       1.000       84.16       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   17.20      4.7747E-03   18.40       74.77       106.7       74.77            V-C   5923.      -6.720       11.24
1.000       1.000       86.01       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   17.57      4.6064E-03   20.17       74.60       108.5       74.60            V-C   5923.      -6.920       13.27
1.000       1.000       87.87       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   17.95      4.4406E-03   21.93       74.44       110.3       74.44            V-C   5923.      -7.120       15.31
1.000       1.000       89.75       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   18.33      4.2776E-03   23.70       74.30       112.1       74.30            V-C   5923.      -7.320       17.34
1.000       1.000       91.64       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   18.71      4.1174E-03   25.46       74.17       113.8       74.17            V-C   5923.      -7.520       19.38
1.000       1.000       93.55       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   19.09      3.9601E-03   27.23       74.06       115.6       74.06            V-C   5923.      -7.720       21.41
1.000       1.000       95.47       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   19.48      3.8056E-03   29.00       73.97       117.4       73.97            V-C   5923.      -7.920       23.44
1.000       1.000       97.41       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   19.87      3.6541E-03   30.76       73.90       119.2       73.90            V-C   5923.      -8.120       25.48
1.000       1.000       99.37       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   20.27      3.5056E-03   32.53       73.84       120.9       73.84            V-C   5923.      -8.320       27.51
1.000       1.000       101.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   20.67      3.3602E-03   34.30       73.81       122.7       73.81            V-C   5923.      -8.520       29.54
1.000       1.000       103.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   21.08      3.2177E-03   36.06       73.80       124.5       73.80            V-C   5923.      -8.720       31.58
1.000       1.000       105.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   21.48      3.0783E-03   37.83       73.81       126.3       73.81            V-C   5923.      -8.920       33.61
1.000       1.000       107.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   21.90      2.9420E-03   39.59       73.83       128.0       73.83            V-C   5923.      -9.120       35.65
1.000       1.000       109.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   22.31      2.8086E-03   41.36       73.88       129.8       73.88            V-C   5923.      -9.320       37.68
1.000       1.000       111.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   22.73      2.6783E-03   43.13       73.95       131.6       73.95            V-C   5923.      -9.520       39.71
1.000       1.000       113.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   23.16      2.5511E-03   44.89       74.04       133.3       74.04            V-C   5923.      -9.720       41.75
1.000       1.000       115.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   23.59      2.4268E-03   46.66       74.15       135.1       74.15            V-C   5923.      -9.920       43.78
1.000       1.000       117.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   24.02      2.3054E-03   48.43       74.28       136.9       74.28            V-C   5923.      -10.12       45.81
1.000       1.000       120.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   24.46      2.1870E-03   50.19       74.43       138.7       74.43            V-C   5923.      -10.32       47.85
1.000       1.000       122.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   24.90      2.0714E-03   51.96       74.60       140.4       74.60            V-C   5923.      -10.52       49.88
1.000       1.000       124.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  53 D   25.34      1.9586E-03   53.72       74.78       142.2       74.78            V-C   5923.      -10.72       51.92
1.000       1.000       126.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   25.79      1.8487E-03   55.49       74.99       144.0       74.99            V-C   5923.      -10.92       53.95
1.000       1.000       128.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   26.24      1.7414E-03   57.26       75.21       145.8       75.21            V-C   5923.      -11.12       55.98
1.000       1.000       131.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   26.69      1.6367E-03   59.02       75.45       147.5       75.45            V-C   5923.      -11.32       58.02
1.000       1.000       133.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   27.15      1.5346E-03   60.79       75.70       149.3       75.70            V-C   5923.      -11.52       60.05
1.000       1.000       135.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   27.61      1.4350E-03   62.56       75.97       151.1       75.97            V-C   5923.      -11.72       62.08
1.000       1.000       138.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   27.96      1.3378E-03   64.32       75.66       152.9       76.56          UL-RL  1.7770E+04  -11.92       64.12
1.000       1.000       139.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   28.19      1.2430E-03   66.09       74.80       154.6       77.44          UL-RL  1.7770E+04  -12.12       66.15
1.000       1.000       141.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   28.43      1.1503E-03   67.85       73.98       156.4       78.32          UL-RL  1.7770E+04  -12.32       68.19
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1.000       1.000       142.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   28.69      1.0599E-03   69.62       73.21       158.2       79.20          UL-RL  1.7770E+04  -12.52       70.22
1.000       1.000       143.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   28.94      9.7142E-04   71.39       72.47       160.0       80.09          UL-RL  1.7770E+04  -12.72       72.25
1.000       1.000       144.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   29.21      8.8495E-04   73.15       71.76       161.7       80.97          UL-RL  1.7770E+04  -12.92       74.29
1.000       1.000       146.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   29.48      8.0034E-04   74.92       71.09       163.5       81.85          UL-RL  1.7770E+04  -13.12       76.32
1.000       1.000       147.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   29.76      7.1748E-04   76.69       70.46       165.3       82.73          UL-RL  1.7770E+04  -13.32       78.35
1.000       1.000       148.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   30.05      6.3628E-04   78.45       69.85       167.1       83.61          UL-RL  1.7770E+04  -13.52       80.39
1.000       1.000       150.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   30.34      5.5665E-04   80.22       69.27       168.8       84.49          UL-RL  1.7770E+04  -13.72       82.42
1.000       1.000       151.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   36.37      4.7500E-04   82.00       97.41       170.6       97.41           V-C  3.8732E+04  -13.92       84.46
1.000       1.000       181.9       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   36.34      3.9845E-04   83.97       95.22       172.6       95.22           V-C  3.8732E+04  -14.12       86.49
1.000       1.000       181.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   36.32      3.2314E-04   85.94       93.09       174.6       93.09           V-C  3.8732E+04  -14.32       88.52
1.000       1.000       181.6       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   36.31      2.4897E-04   87.90       91.01       176.5       91.01           V-C  3.8732E+04  -14.52       90.56
1.000       1.000       181.6       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   36.18      1.7581E-04   89.87       88.30       178.5       89.31          UL-RL  1.1619E+05  -14.72       92.59
1.000       1.000       180.9       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   34.99      1.0353E-04   91.84       80.35       180.5       90.29          UL-RL  1.1619E+05  -14.92       94.62
1.000       1.000       175.0       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   33.83      3.1984E-05   93.80       72.50       182.5       91.27          UL-RL  1.1619E+05  -15.12       96.66
1.000       1.000       169.2       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   32.68     -3.8953E-05   95.77       64.72       184.4       92.25          UL-RL  1.1619E+05  -15.32       98.69
1.000       1.000       163.4       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   31.55     -1.0942E-04   97.73       57.01       186.4       93.23          UL-RL  1.1619E+05  -15.52       100.7
1.000       1.000       157.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   30.42     -1.7954E-04   99.70       49.34       188.4       94.22          UL-RL  1.1619E+05  -15.72       102.8
1.000       1.000       152.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   29.30     -2.4942E-04   101.7       41.71       190.4       95.20          UL-RL  1.1619E+05  -15.92       104.8
1.000       1.000       146.5       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   28.18     -3.1916E-04   103.6       34.09       192.3       96.18          UL-RL  1.1619E+05  -16.12       106.8
1.000       1.000       140.9       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   27.07     -3.8884E-04   105.6       26.48       194.3       97.16          UL-RL  1.1619E+05  -16.32       108.9
1.000       1.000       135.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   13.62     -4.5850E-04   107.6       25.27       196.3       98.14         ACTIVE   0.000      -16.52       110.9
1.000       1.000       136.2       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
```

New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   81
C U R R E N T   T I M E   I S   6.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

EL	TA	TB	MA	MB
1	1.66523E-09	-1.66523E-09	1.64407E-10	1.45522E-09
2	0.38684	-0.38684	-9.35942E-10	7.73680E-02
3	1.1605	-1.1605	-7.73680E-02	0.30947
4	2.3210	-2.3210	-0.30947	0.77368
5	3.8684	-3.8684	-0.77368	1.5474
6	5.8026	-5.8026	-1.5474	2.7079
7	8.1236	-8.1236	-2.7079	4.3326
8	10.832	-10.832	-4.3326	6.4989
9	13.926	-13.926	-6.4989	9.2842
10	17.408	-17.408	-9.2842	12.766
11	21.276	-21.276	-12.766	17.021
12	25.531	-25.531	-17.021	22.127
13	30.174	-30.174	-22.127	28.162
14	35.202	-35.202	-28.162	35.202
15	40.618	-40.618	-35.202	43.326
16	46.421	-46.421	-43.326	52.610
17	52.610	-52.610	-52.610	63.132
18	59.187	-59.187	-63.132	74.970
19	66.150	-66.150	-74.970	88.200
20	73.500	-73.500	-88.200	102.90
21	81.236	-81.236	-102.90	119.15
22	86.296	-86.296	-119.15	136.41
23	91.731	-91.731	-136.41	154.75
24	97.540	-97.540	-154.75	174.26
25	103.72	-103.72	-174.26	195.00
26	101.10	-101.10	-195.00	215.23
27	96.558	-96.558	-215.23	234.54
28	90.575	-90.575	-234.54	252.65
29	83.598	-83.598	-252.65	269.37
30	76.437	-76.437	-269.37	284.66
31	69.482	-69.482	-284.66	298.56
32	62.732	-62.732	-298.56	311.10
33	56.187	-56.187	-311.10	322.34
34	49.842	-49.842	-322.34	332.31
35	43.697	-43.697	-332.31	341.05
36	37.748	-37.748	-341.05	348.60
37	31.992	-31.992	-348.60	354.99
38	26.424	-26.424	-354.99	360.28
39	21.043	-21.043	-360.28	364.49
40	15.843	-15.843	-364.49	367.66
41	10.821	-10.821	-367.66	369.82
42	5.9735	-5.9735	-369.82	371.02
43	1.2954	-1.2954	-371.02	371.27
44	-3.2170	3.2170	-371.27	370.63
45	-7.5678	7.5678	-370.63	369.12
46	-11.761	11.761	-369.12	366.77
47	-15.801	15.801	-366.77	363.61
48	-19.691	19.691	-363.61	359.67
49	-23.436	23.436	-359.67	354.98
50	-27.040	27.040	-354.98	349.57
51	-30.506	30.506	-349.57	343.47
52	-33.838	33.838	-343.47	336.70
53	-37.040	37.040	-336.70	329.30
54	-40.116	40.116	-329.30	321.27
55	-43.069	43.069	-321.27	312.66
56	-45.902	45.902	-312.66	303.48
57	-48.619	48.619	-303.48	293.75
58	-51.223	51.223	-293.75	283.51
59	-53.597	53.597	-283.51	272.79
60	-55.632	55.632	-272.79	261.66
61	-57.336	57.336	-261.66	250.20
62	-58.717	58.717	-250.20	238.45
63	-59.783	59.783	-238.45	226.50
64	-60.541	60.541	-226.50	214.39
65	-60.997	60.997	-214.39	202.19
66	-61.159	61.159	-202.19	189.96
67	-61.032	61.032	-189.96	177.75
68	-60.344	60.344	-177.75	165.68
69	-66.090	66.090	-165.68	152.46
70	-71.221	71.221	-152.46	138.22

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   71 -75.748      75.748     -138.22      123.07
   72 -79.681      79.681     -123.07      107.13
   73 -82.894      82.894     -107.13      90.555
   74 -84.339      84.339     -90.555      73.688
   75 -82.047      82.047     -73.688      57.278
   76 -76.650      76.650     -57.278      41.948
   77 -68.570      68.570     -41.948      28.234
   78 -57.820      57.820     -28.234      16.670
   79 -44.604      44.604     -16.670      7.7493
   80 -28.748      28.748     -7.7493      1.9996
   81 -9.9976      9.9976     -1.9996    -1.38159E-11

ITER     0 RNORM = 24.33     RMNORM= 0.000
           RINORM=0.5487E+06 RIMNOR=0.8711E+07
           RENORM= 27.56     REMNOR=0.5071E-17 RATIO =0.7087E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 103.7     RMMAX = 371.3
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.5487E+06 RDR   =0.8711E+07
           RATIOT=0.7087E-02 RATIOR= 0.000
           MAX UN= 1.177     IEQ=    57 NODE     29 DOF   1  Y-DISPL.F
           MIN UN=-.5732E-02 IEQ=   155 NODE     78 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 24.33     RMNORM= 0.000
           RINORM=0.5487E+06 RIMNOR=0.8711E+07
           RENORM= 109.1     REMNOR=0.1621E-16 RATIO =0.1410E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 103.7     RMMAX = 371.3
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.5487E+06 RDR   =0.8711E+07
           RATIOT=0.1410E-01 RATIOR= 0.000
           MAX UN= 5.654     IEQ=   137 NODE     69 DOF   1  Y-DISPL.F
           MIN UN=-4.629     IEQ=   161 NODE     81 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 24.33     RMNORM= 0.000
           RINORM=0.5487E+06 RIMNOR=0.8711E+07
           RENORM=0.1476     REMNOR=0.1124E-16 RATIO =0.5187E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 103.7     RMMAX = 371.3
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.5487E+06 RDR   =0.8711E+07
           RATIOT=0.5187E-03 RATIOR= 0.000
           MAX UN=0.2852     IEQ=    65 NODE     33 DOF   1  Y-DISPL.F
           MIN UN=-.1757E-07 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 24.33     RMNORM= 0.000
           RINORM=0.5487E+06 RIMNOR=0.8711E+07
           RENORM=0.2019E-03 REMNOR=0.9313E-17 RATIO =0.1918E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 103.7     RMMAX = 371.3
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.5487E+06 RDR   =0.8711E+07
           RATIOT=0.1918E-04 RATIOR= 0.000
           MAX UN=0.1377E-07 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           MIN UN=-.1294E-01 IEQ=   149 NODE     75 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:43                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     4 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    7     ( AT TIME   7.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
    1   1.5588379E-02  -1.3851307E-03
    2   1.5311353E-02  -1.3851286E-03
    3   1.5034328E-02  -1.3851166E-03
    4   1.4757307E-02  -1.3850816E-03
    5   1.4480298E-02  -1.3850073E-03
    6   1.4203308E-02  -1.3848743E-03
    7   1.3926353E-02  -1.3846600E-03
    8   1.3649452E-02  -1.3843385E-03
    9   1.3372627E-02  -1.3838810E-03
   10   1.3095910E-02  -1.3832552E-03
   11   1.2819339E-02  -1.3824260E-03
   12   1.2542956E-02  -1.3813547E-03
   13   1.2266816E-02  -1.3799997E-03
   14   1.1990978E-02  -1.3783163E-03
   15   1.1715514E-02  -1.3762563E-03
   16   1.1440504E-02  -1.3737686E-03
   17   1.1166039E-02  -1.3707989E-03
   18   1.0892219E-02  -1.3672896E-03
   19   1.0619162E-02  -1.3631800E-03
   20   1.0346993E-02  -1.3584062E-03
   21   1.0075849E-02  -1.3529013E-03
   22   9.8165641E-03  -1.3465948E-03
   23   9.5557307E-03  -1.3394261E-03
   24   9.2883255E-03  -1.3313438E-03
   25   9.0226339E-03  -1.3222933E-03
   26   8.7588525E-03  -1.3122188E-03
   27   8.4971906E-03  -1.3011015E-03
   28   8.2378544E-03  -1.2889664E-03
   29   7.9810441E-03  -1.2758500E-03
   30   7.7269527E-03  -1.2617970E-03
   31   7.4757602E-03  -1.2468579E-03
   32   7.2276393E-03  -1.2310898E-03
   33   6.9827498E-03  -1.2145559E-03
   34   6.7412378E-03  -1.1973255E-03
   35   6.5032355E-03  -1.1794715E-03
   36   6.2688615E-03  -1.1610656E-03
   37   6.0382170E-03  -1.1421769E-03
   38   5.8113928E-03  -1.1228726E-03
   39   5.5884656E-03  -1.1032174E-03
   40   5.3694993E-03  -1.0832740E-03
   41   5.1545454E-03  -1.0631027E-03
   42   4.9436437E-03  -1.0427619E-03
   43   4.7368235E-03  -1.0223077E-03
   44   4.5340998E-03  -1.0017943E-03
   45   4.3354804E-03  -9.8127386E-04
   46   4.1409616E-03  -9.6079658E-04
   47   3.9505298E-03  -9.4041078E-04
   48   3.7641631E-03  -9.2016299E-04
   49   3.5818275E-03  -9.0009762E-04
   50   3.4034788E-03  -8.8025713E-04
   51   3.2290851E-03  -8.6068458E-04
   52   3.0585675E-03  -8.4141691E-04
   53   2.8918695E-03  -8.2249287E-04
   54   2.7289191E-03  -8.0394859E-04
   55   2.5696366E-03  -7.8581865E-04
   56   2.4139358E-03  -7.6813609E-04
   57   2.2617242E-03  -7.5093244E-04
   58   2.1129030E-03  -7.3423780E-04
   59   1.9673673E-03  -7.1808081E-04
   60   1.8250070E-03  -7.0248874E-04
   61   1.6857065E-03  -6.8748752E-04
   62   1.5493450E-03  -6.7310171E-04
   63   1.4157972E-03  -6.5935463E-04
   64   1.2849331E-03  -6.4626828E-04
   65   1.1566185E-03  -6.3386232E-04
   66   1.0307158E-03  -6.2215275E-04
   67   9.0708419E-04  -6.1115187E-04
   68   7.8558117E-04  -6.0086835E-04
   69   6.6259699E-04  -5.9130726E-04
   70   5.4518290E-04  -5.8249981E-04
   71   4.2945028E-04  -5.7450124E-04
   72   3.1523245E-04  -5.6735922E-04
   73   2.0235395E-04  -5.6111394E-04
   74   9.0632046E-05  -5.5579822E-04
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75  -2.0121341E-05  -5.5142975E-04
76  -1.3009470E-04  -5.4799103E-04
77  -2.3946881E-04  -5.4542524E-04
78  -3.4840999E-04  -5.4364453E-04
79  -4.5706390E-04  -5.4253019E-04
80  -5.6554968E-04  -5.4193714E-04
81  -6.7395559E-04  -5.4170371E-04
82  -7.8234182E-04  -5.4165600E-04
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:43                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      7.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -1.5588E-02   0.000       0.000       6.080       3.040          ACTIVE   0.000     -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.3868     -1.5311E-02   3.800       1.934       9.880       4.940          ACTIVE   0.000     -0.5200       0.000
1.000       1.000       1.934       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D  0.7737     -1.5034E-02   7.600       3.868       13.68       6.840          ACTIVE   0.000     -0.7200       0.000
1.000       1.000       3.868       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.161     -1.4757E-02   11.40       5.803       17.48       8.740          ACTIVE   0.000     -0.9200       0.000
1.000       1.000       5.803       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.547     -1.4480E-02   15.20       7.737       21.28       10.64          ACTIVE   0.000      -1.120       0.000
1.000       1.000       7.737       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   1.934     -1.4203E-02   19.00       9.671       25.08       12.54          ACTIVE   0.000      -1.320       0.000
1.000       1.000       9.671       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.321     -1.3926E-02   22.80       11.61       28.88       14.44          ACTIVE   0.000      -1.520       0.000
1.000       1.000       11.61       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   2.708     -1.3649E-02   26.60       13.54       32.68       16.34          ACTIVE   0.000      -1.720       0.000
1.000       1.000       13.54       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.095     -1.3373E-02   30.40       15.47       36.48       18.24          ACTIVE   0.000      -1.920       0.000
1.000       1.000       15.47       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   3.482     -1.3096E-02   34.20       17.41       40.28       20.14          ACTIVE   0.000      -2.120       0.000
1.000       1.000       17.41       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   3.868     -1.2819E-02   38.00       19.34       44.08       22.04          ACTIVE   0.000      -2.320       0.000
1.000       1.000       19.34       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.255     -1.2543E-02   41.80       21.28       47.88       23.94          ACTIVE   0.000      -2.520       0.000
1.000       1.000       21.28       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   4.642     -1.2267E-02   45.60       23.21       51.68       25.84          ACTIVE   0.000      -2.720       0.000
1.000       1.000       23.21       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.029     -1.1991E-02   49.40       25.14       55.48       27.74          ACTIVE   0.000      -2.920       0.000
1.000       1.000       25.14       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.416     -1.1716E-02   53.20       27.08       59.28       29.64          ACTIVE   0.000      -3.120       0.000
1.000       1.000       27.08       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   5.803     -1.1441E-02   57.00       29.01       63.08       31.54          ACTIVE   0.000      -3.320       0.000
1.000       1.000       29.01       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.189     -1.1166E-02   60.80       30.95       66.88       33.44          ACTIVE   0.000      -3.520       0.000
1.000       1.000       30.95       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   6.576     -1.0892E-02   64.60       32.88       70.68       35.34          ACTIVE   0.000      -3.720       0.000
1.000       1.000       32.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   6.963     -1.0619E-02   68.40       34.82       74.48       37.24          ACTIVE   0.000      -3.920       0.000
1.000       1.000       34.82       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.350     -1.0347E-02   72.20       36.75       78.28       39.14          ACTIVE   0.000      -4.120       0.000
1.000       1.000       36.75       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   7.737     -1.0076E-02   76.00       38.68       82.08       41.04          ACTIVE   0.000      -4.320       0.000
1.000       1.000       38.68       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   5.060     -9.8166E-03   79.80       25.30       84.10       42.05          ACTIVE   0.000      -4.520       0.000
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1.000       1.000       25.30       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   5.434     -9.5557E-03   83.60       27.17       85.93       42.97         ACTIVE   0.000      -4.720       0.000
1.000       1.000       27.17       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   5.809     -9.2883E-03   87.40       29.05       87.76       43.88         ACTIVE   0.000      -4.920       0.000
1.000       1.000       29.05       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   6.184     -9.0226E-03   91.20       30.92       91.20       44.79         ACTIVE   0.000      -5.120       0.000
1.000       1.000       30.92       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   6.638     -8.7589E-03   94.21       32.40       94.21       45.70         ACTIVE   0.000      -5.320       0.7855
1.000       1.000       33.19       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   7.212     -8.4972E-03   96.05       33.31       96.05       46.62         ACTIVE   0.000      -5.520       2.752
1.000       1.000       36.06       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   7.786     -8.2379E-03   97.88       34.21       97.88       47.53         ACTIVE   0.000      -5.720       4.718
1.000       1.000       38.93       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   8.360     -7.9810E-03   99.72       35.12       99.72       48.44         ACTIVE   0.000      -5.920       6.684
1.000       1.000       41.80       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   8.934     -7.7270E-03   101.5       36.02       101.5       49.36         ACTIVE   0.000      -6.120       8.650
1.000       1.000       44.67       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   9.508     -7.4758E-03   103.4       36.93       103.4       50.27         ACTIVE   0.000      -6.320       10.62
1.000       1.000       47.54       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   10.08     -7.2276E-03   105.2       37.83       105.2       51.18         ACTIVE   0.000      -6.520       12.58
1.000       1.000       50.41       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   10.66     -6.9827E-03   107.1       38.73       107.1       52.10         ACTIVE   0.000      -6.720       14.55
1.000       1.000       53.28       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   11.23     -6.7412E-03   108.9       39.64       108.9       53.01         ACTIVE   0.000      -6.920       16.52
1.000       1.000       56.15       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   11.80     -6.5032E-03   110.7       40.54       110.7       53.92         ACTIVE   0.000      -7.120       18.48
1.000       1.000       59.02       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   12.38     -6.2689E-03   112.6       41.45       112.6       54.83         ACTIVE   0.000      -7.320       20.45
1.000       1.000       61.89       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   12.95     -6.0382E-03   114.4       42.35       114.4       55.75         ACTIVE   0.000      -7.520       22.41
1.000       1.000       64.76       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   13.53     -5.8114E-03   116.2       43.25       116.2       56.66         ACTIVE   0.000      -7.720       24.38
1.000       1.000       67.63       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   14.10     -5.5885E-03   118.1       44.16       118.1       57.57         ACTIVE   0.000      -7.920       26.35
1.000       1.000       70.50       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   14.67     -5.3695E-03   119.9       45.06       119.9       58.49         ACTIVE   0.000      -8.120       28.31
1.000       1.000       73.37       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   15.25     -5.1545E-03   121.7       45.97       121.7       59.40         ACTIVE   0.000      -8.320       30.28
1.000       1.000       76.24       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   15.82     -4.9436E-03   123.6       46.87       123.6       60.31         ACTIVE   0.000      -8.520       32.25
1.000       1.000       79.11       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   16.40     -4.7368E-03   125.4       47.77       125.4       61.23         ACTIVE   0.000      -8.720       34.21
1.000       1.000       81.99       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   16.97     -4.5341E-03   127.2       48.68       127.2       62.14         ACTIVE   0.000      -8.920       36.18
1.000       1.000       84.86       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   17.55     -4.3355E-03   129.1       49.58       129.1       63.05         ACTIVE   0.000      -9.120       38.14
1.000       1.000       87.73       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   18.12     -4.1410E-03   130.9       50.49       130.9       63.96         ACTIVE   0.000      -9.320       40.11
1.000       1.000       90.60       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   18.69     -3.9505E-03   132.7       51.39       132.7       64.88         ACTIVE   0.000      -9.520       42.08
1.000       1.000       93.47       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   19.27     -3.7642E-03   134.6       52.29       134.6       65.79         ACTIVE   0.000      -9.720       44.04
1.000       1.000       96.34       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   19.84     -3.5818E-03   136.4       53.20       136.4       66.70         ACTIVE   0.000      -9.920       46.01
1.000       1.000       99.21       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   20.42     -3.4035E-03   138.2       54.10       138.2       67.62         ACTIVE   0.000      -10.12       47.98
1.000       1.000       102.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   20.99     -3.2291E-03   140.1       55.01       140.1       68.53         ACTIVE   0.000      -10.32       49.94
1.000       1.000       104.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   21.56     -3.0586E-03   141.9       55.91       141.9       69.44         ACTIVE   0.000      -10.52       51.91
1.000       1.000       107.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   22.14     -2.8919E-03   143.7       56.81       143.7       70.36          ACTIVE   0.000      -10.72       53.87
1.000       1.000       110.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   22.71     -2.7289E-03   145.6       57.72       145.6       71.27          ACTIVE   0.000      -10.92       55.84
1.000       1.000       113.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   23.29     -2.5696E-03   147.4       58.62       147.4       72.18          ACTIVE   0.000      -11.12       57.81
1.000       1.000       116.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   23.86     -2.4139E-03   149.2       59.53       149.2       73.09          ACTIVE   0.000      -11.32       59.77
1.000       1.000       119.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   24.43     -2.2617E-03   151.1       60.43       151.1       74.01          ACTIVE   0.000      -11.52       61.74
1.000       1.000       122.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   25.01     -2.1129E-03   152.9       61.33       152.9       74.92          ACTIVE   0.000      -11.72       63.70
1.000       1.000       125.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   25.58     -1.9674E-03   154.7       62.24       154.7       75.83          ACTIVE   0.000      -11.92       65.67
1.000       1.000       127.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   26.16     -1.8250E-03   156.6       63.14       156.6       76.75          ACTIVE   0.000      -12.12       67.64
1.000       1.000       130.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   26.73     -1.6857E-03   158.4       64.05       158.4       77.66          ACTIVE   0.000      -12.32       69.60
1.000       1.000       133.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   27.30     -1.5493E-03   160.2       64.95       160.2       78.57          ACTIVE   0.000      -12.52       71.57
1.000       1.000       136.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   27.88     -1.4158E-03   162.1       65.85       162.1       79.49          ACTIVE   0.000      -12.72       73.54
1.000       1.000       139.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   28.45     -1.2849E-03   163.9       66.76       163.9       80.40          ACTIVE   0.000      -12.92       75.50
1.000       1.000       142.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   29.03     -1.1566E-03   165.7       67.66       165.7       81.31          ACTIVE   0.000      -13.12       77.47
1.000       1.000       145.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   29.60     -1.0307E-03   167.6       68.57       167.6       82.22          ACTIVE   0.000      -13.32       79.43
1.000       1.000       148.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   30.17     -9.0708E-04   169.4       69.47       169.4       83.14          ACTIVE   0.000      -13.52       81.40
1.000       1.000       150.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   30.75     -7.8558E-04   171.2       70.37       171.2       84.05          ACTIVE   0.000      -13.72       83.37
1.000       1.000       153.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   30.63     -6.6260E-04   173.1       67.80       173.1       84.97          ACTIVE   0.000      -13.92       85.33
1.000       1.000       153.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   31.21     -5.4518E-04   175.1       68.76       175.1       85.99          ACTIVE   0.000      -14.12       87.30
1.000       1.000       156.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   31.80     -4.2945E-04   177.2       69.71       177.2       87.00          ACTIVE   0.000      -14.32       89.27
1.000       1.000       159.0       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   32.38     -3.1523E-04   179.2       70.67       179.2       88.01          ACTIVE   0.000      -14.52       91.23
1.000       1.000       161.9       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   32.97     -2.0235E-04   181.2       71.63       181.2       89.03          ACTIVE   0.000      -14.72       93.20
1.000       1.000       164.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   33.93     -9.0632E-05   183.3       74.51       183.3       90.04           UL-RL  1.4879E+05  -14.92       95.16
1.000       1.000       169.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   37.64      2.0121E-05   185.3       91.05       185.3       91.14           UL-RL  1.4879E+05  -15.12       97.13
1.000       1.000       188.2       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   39.38      1.3009E-04   187.3       97.80       187.3       97.84           UL-RL  1.4879E+05  -15.32       99.10
1.000       1.000       196.9       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   41.12      2.3947E-04   189.4       104.5       189.4       104.5             V-C  4.9597E+04  -15.52       101.1
1.000       1.000       205.6       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   42.84      3.4841E-04   191.4       111.2       191.4       111.2             V-C  4.9597E+04  -15.72       103.0
1.000       1.000       214.2       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   44.58      4.5706E-04   193.4       117.9       193.4       117.9             V-C  4.9597E+04  -15.92       105.0
1.000       1.000       222.9       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   46.48      5.6555E-04   195.5       125.5       195.5       125.5             V-C  4.9597E+04  -16.12       107.0
1.000       1.000       232.4       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   48.65      6.7396E-04   197.5       134.3       197.5       134.3             V-C  4.9597E+04  -16.32       108.9
1.000       1.000       243.2       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   25.22      7.8234E-04   199.5       141.3       199.5       141.3             V-C  4.9597E+04  -16.52       110.9
1.000       1.000       252.2       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                    Exe Time :28 January 2022   10:29:43                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      7.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1     0.000         --          --          --          --          --         REMOVED     --      -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --         REMOVED     --      -0.5200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --         REMOVED     --      -0.7200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --         REMOVED     --      -0.9200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --         REMOVED     --       -1.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --         REMOVED     --       -1.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --         REMOVED     --       -1.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --         REMOVED     --       -1.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --         REMOVED     --       -1.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --         REMOVED     --       -2.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --         REMOVED     --       -2.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --         REMOVED     --       -2.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --         REMOVED     --       -2.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --         REMOVED     --       -2.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --         REMOVED     --       -3.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --         REMOVED     --       -3.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --         REMOVED     --       -3.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --         REMOVED     --       -3.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --         REMOVED     --       -3.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --         REMOVED     --       -4.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --         REMOVED     --       -4.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --         REMOVED     --       -4.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --         REMOVED     --       -4.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  24     0.000         --          --          --          --          --         REMOVED     --       -4.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  25     0.000         --          --          --          --          --         REMOVED     --       -5.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  26 D   8.838      8.7589E-03   3.040       44.19       94.32       51.63        PASSIVE   0.000      -5.320       0.000
1.000       1.000       44.19       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0             0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   11.09      8.4972E-03   6.840       55.46       96.10       58.79        PASSIVE   0.000      -5.520       0.000
1.000       1.000       55.46       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0             0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   12.84      8.2379E-03   9.568       63.15       97.87       67.77        PASSIVE   0.000      -5.720       1.072
1.000       1.000       64.22       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0             0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   14.16      7.9810E-03   11.33       67.70       99.64       73.58        PASSIVE   0.000      -5.920       3.105
1.000       1.000       70.80       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0             0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   15.49      7.7270E-03   13.10       72.31       101.4       75.34        PASSIVE   0.000      -6.120       5.139
1.000       1.000       77.45       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0             0.0000
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0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   16.83      7.4758E-03   14.87       76.95       103.2       76.95        PASSIVE   0.000      -6.320       7.173
1.000       1.000       84.13       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   18.17      7.2276E-03   16.63       81.63       105.0       81.63        PASSIVE   0.000      -6.520       9.207
1.000       1.000       90.83       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   19.51      6.9827E-03   18.40       86.32       106.7       86.32        PASSIVE   0.000      -6.720       11.24
1.000       1.000       97.56       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   20.10      6.7412E-03   20.17       87.24       108.5       87.24            V-C   5923.      -6.920       13.27
1.000       1.000       100.5       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   20.39      6.5032E-03   21.93       86.66       110.3       86.66            V-C   5923.      -7.120       15.31
1.000       1.000       102.0       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   20.69      6.2689E-03   23.70       86.09       112.1       86.09            V-C   5923.      -7.320       17.34
1.000       1.000       103.4       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   20.98      6.0382E-03   25.46       85.55       113.8       85.55            V-C   5923.      -7.520       19.38
1.000       1.000       104.9       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   21.29      5.8114E-03   27.23       85.03       115.6       85.03            V-C   5923.      -7.720       21.41
1.000       1.000       106.4       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   21.59      5.5885E-03   29.00       84.53       117.4       84.53            V-C   5923.      -7.920       23.44
1.000       1.000       108.0       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   21.91      5.3695E-03   30.76       84.06       119.2       84.06            V-C   5923.      -8.120       25.48
1.000       1.000       109.5       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   22.22      5.1545E-03   32.53       83.61       120.9       83.61            V-C   5923.      -8.320       27.51
1.000       1.000       111.1       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   22.55      4.9436E-03   34.30       83.19       122.7       83.19            V-C   5923.      -8.520       29.54
1.000       1.000       112.7       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   22.87      4.7368E-03   36.06       82.80       124.5       82.80            V-C   5923.      -8.720       31.58
1.000       1.000       114.4       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   23.21      4.5341E-03   37.83       82.43       126.3       82.43            V-C   5923.      -8.920       33.61
1.000       1.000       116.0       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   23.55      4.3355E-03   39.59       82.09       128.0       82.09            V-C   5923.      -9.120       35.65
1.000       1.000       117.7       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   23.89      4.1410E-03   41.36       81.77       129.8       81.77            V-C   5923.      -9.320       37.68
1.000       1.000       119.5       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   24.24      3.9505E-03   43.13       81.49       131.6       81.49            V-C   5923.      -9.520       39.71
1.000       1.000       121.2       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   24.59      3.7642E-03   44.89       81.23       133.3       81.23            V-C   5923.      -9.720       41.75
1.000       1.000       123.0       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   24.95      3.5818E-03   46.66       80.99       135.1       80.99            V-C   5923.      -9.920       43.78
1.000       1.000       124.8       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   25.32      3.4035E-03   48.43       80.78       136.9       80.78            V-C   5923.      -10.12       45.81
1.000       1.000       126.6       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   25.69      3.2291E-03   50.19       80.60       138.7       80.60            V-C   5923.      -10.32       47.85
1.000       1.000       128.5       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   26.07      3.0586E-03   51.96       80.44       140.4       80.44            V-C   5923.      -10.52       49.88
1.000       1.000       130.3       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  53 D   26.45      2.8919E-03   53.72       80.31       142.2       80.31            V-C   5923.      -10.72       51.92
1.000       1.000       132.2       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   26.83      2.7289E-03   55.49       80.20       144.0       80.20            V-C   5923.      -10.92       53.95
1.000       1.000       134.2       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   27.22      2.5696E-03   57.26       80.12       145.8       80.12            V-C   5923.      -11.12       55.98
1.000       1.000       136.1       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   27.61      2.4139E-03   59.02       80.05       147.5       80.05            V-C   5923.      -11.32       58.02
1.000       1.000       138.1       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   28.01      2.2617E-03   60.79       80.01       149.3       80.01            V-C   5923.      -11.52       60.05
1.000       1.000       140.1       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   28.41      2.1129E-03   62.56       79.99       151.1       79.99            V-C   5923.      -11.72       62.08
1.000       1.000       142.1       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   28.82      1.9674E-03   64.32       79.99       152.9       79.99            V-C   5923.      -11.92       64.12
1.000       1.000       144.1       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   29.23      1.8250E-03   66.09       80.01       154.6       80.01            V-C   5923.      -12.12       66.15
1.000       1.000       146.2       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   29.65      1.6857E-03   67.85       80.05       156.4       80.05            V-C   5923.      -12.32       68.19
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1.000       1.000       148.2       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   30.06      1.5493E-03   69.62       80.10       158.2       80.10           V-C   5923.      -12.52       70.22
1.000       1.000       150.3       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   30.49      1.4158E-03   71.39       80.18       160.0       80.18           V-C   5923.      -12.72       72.25
1.000       1.000       152.4       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   30.63      1.2849E-03   73.15       78.87       161.7       80.97         UL-RL  1.7770E+04  -12.92       74.29
1.000       1.000       153.2       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   30.75      1.1566E-03   74.92       77.42       163.5       81.85         UL-RL  1.7770E+04  -13.12       76.32
1.000       1.000       153.7       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   30.88      1.0307E-03   76.69       76.02       165.3       82.73         UL-RL  1.7770E+04  -13.32       78.35
1.000       1.000       154.4       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   31.01      9.0708E-04   78.45       74.66       167.1       83.61         UL-RL  1.7770E+04  -13.52       80.39
1.000       1.000       155.1       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   31.15      7.8558E-04   80.22       73.34       168.8       84.49         UL-RL  1.7770E+04  -13.72       82.42
1.000       1.000       155.8       0.000       0.000       10.22       10.22     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   37.83      6.6260E-04   82.00       104.7       170.6       104.7           V-C  3.8732E+04  -13.92       84.46
1.000       1.000       189.1       0.000       0.000       10.22       10.22     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   37.48      5.4518E-04   83.97       100.9       172.6       100.9           V-C  3.8732E+04  -14.12       86.49
1.000       1.000       187.4       0.000       0.000       10.22       10.22     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   37.15      4.2945E-04   85.94       97.21       174.6       97.21           V-C  3.8732E+04  -14.32       88.52
1.000       1.000       185.7       0.000       0.000       10.22       10.22     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   36.83      3.1523E-04   87.90       93.58       176.5       93.58           V-C  3.8732E+04  -14.52       90.56
1.000       1.000       184.1       0.000       0.000       10.22       10.22     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   36.52      2.0235E-04   89.87       90.00       178.5       90.00           V-C  3.8732E+04  -14.72       92.59
1.000       1.000       182.6       0.000       0.000       10.22       10.22     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   34.70      9.0632E-05   91.84       78.85       180.5       90.29         UL-RL  1.1619E+05  -14.92       94.62
1.000       1.000       173.5       0.000       0.000       10.22       10.22     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   32.62     -2.0121E-05   93.80       66.44       182.5       91.27         UL-RL  1.1619E+05  -15.12       96.66
1.000       1.000       163.1       0.000       0.000       10.22       10.22     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   30.56     -1.3009E-04   95.77       54.13       184.4       92.25         UL-RL  1.1619E+05  -15.32       98.69
1.000       1.000       152.8       0.000       0.000       10.22       10.22     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   28.52     -2.3947E-04   97.73       41.90       186.4       93.23         UL-RL  1.1619E+05  -15.52       100.7
1.000       1.000       142.6       0.000       0.000       10.22       10.22     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   26.50     -3.4841E-04   99.70       29.72       188.4       94.22         UL-RL  1.1619E+05  -15.72       102.8
1.000       1.000       132.5       0.000       0.000       10.22       10.22     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   25.56     -4.5706E-04   101.7       22.99       190.4       95.20          ACTIVE   0.000      -15.92       104.8
1.000       1.000       127.8       0.000       0.000       10.22       10.22     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   26.10     -5.6555E-04   103.6       23.67       192.3       96.18          ACTIVE   0.000      -16.12       106.8
1.000       1.000       130.5       0.000       0.000       10.22       10.22     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   26.64     -6.7396E-04   105.6       24.34       194.3       97.16          ACTIVE   0.000      -16.32       108.9
1.000       1.000       133.2       0.000       0.000       10.22       10.22     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   13.59     -7.8234E-04   107.6       25.02       196.3       98.14          ACTIVE   0.000      -16.52       110.9
1.000       1.000       135.9       0.000       0.000       10.22       10.22     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   81
C U R R E N T   T I M E   I S   7.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

EL	TA	TB	MA	MB
1	0.50761	-0.50761	-3.59943E-11	0.10152
2	1.9097	-1.9097	-0.10152	0.48345
3	3.6986	-3.6986	-0.48345	1.2232
4	5.8743	-5.8743	-1.2232	2.3980
5	8.4369	-8.4369	-2.3980	4.0854
6	11.386	-11.386	-4.0854	6.3626
7	14.723	-14.723	-6.3626	9.3071
8	18.446	-18.446	-9.3071	12.996
9	22.556	-22.556	-12.996	17.507
10	27.052	-27.052	-17.507	22.918
11	31.936	-31.936	-22.918	29.305
12	37.206	-37.206	-29.305	36.746
13	42.864	-42.864	-36.746	45.319
14	48.908	-48.908	-45.319	55.101
15	55.339	-55.339	-55.101	66.168
16	62.157	-62.157	-66.168	78.600
17	69.361	-69.361	-78.600	92.472
18	76.953	-76.953	-92.472	107.86
19	84.931	-84.931	-107.86	124.85
20	93.296	-93.296	-124.85	143.51
21	102.05	-102.05	-143.51	163.92
22	108.12	-108.12	-163.92	185.54
23	114.57	-114.57	-185.54	208.46
24	121.40	-121.40	-208.46	232.74
25	128.19	-128.19	-232.74	258.37
26	125.99	-125.99	-258.37	283.57
27	122.11	-122.11	-283.57	307.99
28	117.05	-117.05	-307.99	331.40
29	111.25	-111.25	-331.40	353.65
30	104.70	-104.70	-353.65	374.59
31	97.379	-97.379	-374.59	394.07
32	89.295	-89.295	-394.07	411.93
33	80.440	-80.440	-411.93	428.02
34	71.567	-71.567	-428.02	442.33
35	62.978	-62.978	-442.33	454.93
36	54.670	-54.670	-454.93	465.86
37	46.638	-46.638	-465.86	475.19
38	38.878	-38.878	-475.19	482.96
39	31.384	-31.384	-482.96	489.24
40	24.153	-24.153	-489.24	494.07
41	17.177	-17.177	-494.07	497.51
42	10.454	-10.454	-497.51	499.60
43	3.9760	-3.9760	-499.60	500.39
44	-2.2610	2.2610	-500.39	499.94
45	-8.2626	8.2626	-499.94	498.29
46	-14.034	14.034	-498.29	495.48
47	-19.581	19.581	-495.48	491.56
48	-24.908	24.908	-491.56	486.58
49	-30.022	30.022	-486.58	480.58
50	-34.926	34.926	-480.58	473.59
51	-39.627	39.627	-473.59	465.67
52	-44.128	44.128	-465.67	456.84
53	-48.436	48.436	-456.84	447.15
54	-52.555	52.555	-447.15	436.64
55	-56.489	56.489	-436.64	425.35
56	-60.242	60.242	-425.35	413.30
57	-63.821	63.821	-413.30	400.53
58	-67.228	67.228	-400.53	387.09
59	-70.467	70.467	-387.09	372.99
60	-73.543	73.543	-372.99	358.29
61	-76.460	76.460	-358.29	342.99
62	-79.221	79.221	-342.99	327.15
63	-81.829	81.829	-327.15	310.78
64	-84.008	84.008	-310.78	293.98
65	-85.731	85.731	-293.98	276.84
66	-87.006	87.006	-276.84	259.43
67	-87.842	87.842	-259.43	241.87
68	-88.246	88.246	-241.87	224.22
69	-95.445	95.445	-224.22	205.13
70	-101.71	101.71	-205.13	184.79

71	-107.06	107.06	-184.79	163.37
72	-111.51	111.51	-163.37	141.07
73	-115.06	115.06	-141.07	118.06
74	-115.82	115.82	-118.06	94.895
75	-110.79	110.79	-94.895	72.736
76	-101.97	101.97	-72.736	52.341
77	-89.383	89.383	-52.341	34.465
78	-73.039	73.039	-34.465	19.857
79	-54.020	54.020	-19.857	9.0531
80	-33.636	33.636	-9.0531	2.3259
81	-11.629	11.629	-2.3259	-3.80028E-11

```
+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:43                                                 |
+-----------------------------------------------------------------------------------------------------------------------+


     F I N A L   I N C R E M E N T A L   A N A L Y S I S

                   S U M M A R Y

     STEP                                  NO. OF ITERATIONS

        1          CONVERGENCE :YES                      2
        2          CONVERGENCE :YES                      2
        3          CONVERGENCE :YES                      2
        4          CONVERGENCE :YES                      5
        5          CONVERGENCE :YES                      5
        6          CONVERGENCE :YES                      5
        7          CONVERGENCE :YES                      4


 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....    0.09 [sec]
DATABASE  CREATION CPU TIME.....    0.33 [sec]
```

8.3. Design Assumption : SLE (Rara/Frequente/Quasi Permanente) - File di Paratie - File di input (.d)

```
* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: SLE (Rara/Frequente/Quasi Permanente)
 * Time:venerdì 28 gennaio 2022 10:29:43
 * 1: Defining general settings
 UNIT  m kN
 TITLE New Project
 DELTA 0.2
 option param itemax 40
 option control contact lagrange

 option control hinges 0 0.0001 0.001

 * 2: Defining wall(s)
 WALL LeftWall_36 0 -16.52 -0.32 1

 * 3: Defining surfaces for wall(s)
 SOIL 0_L LeftWall_36 -16.52 -0.32 1 0
 SOIL 0_R LeftWall_36 -16.52 -0.32 2 180

 * 4: Defining soil layers
 *
 * Soil Profile (a_20886_12_L_0)
 *
 LDATA a_20886_12_L_0 0 LeftWall_36
 ATREST 0.5 0.5 1
 WEIGHT 19 9 10
 PERMEABILITY 1E-05
 RESISTANCE 0 18 0 0 0
 TZDATA  LINEAR 10000 0 25 0.5 0
 KSCALE  0 0
 YOUNG 30000 90000
 ENDL
 *
 * Soil Profile (Ecla_20887_22088_L_0)
 *
 LDATA Ecla_20887_22088_L_0 -4.5 LeftWall_36
 ATREST 0.5 0.5 1
 WEIGHT 19 9 10
 PERMEABILITY 1E-05
 RESISTANCE 10 25 0 0 0
 TZDATA  LINEAR 10000 0 25 0.5 0
 KSCALE  0 0
 YOUNG 30000 90000
 ENDL
 *
 * Soil Profile (Salt_167_22090_L_0)
 *
 LDATA Salt_167_22090_L_0 -13.9 LeftWall_36
 ATREST 0.5 0.5 1
 WEIGHT 20 10 10
 PERMEABILITY 1E-05
 RESISTANCE 10 26 0 0 0
 TZDATA  LINEAR 10000 0 25 0.5 0
 KSCALE  0 0
 YOUNG 2E+05 6E+05
 ENDL

 * 5: Defining structural materials
 * Steel material: 114 Name=Fe360 E=206000200 kPa
 MATERIAL Fe360_114 2.06E+08
 * Concrete material: 112 Name=C32/40 E=33345800 kPa
 MATERIAL C3240_112 3.3346E+07

 * 6: Defining structural elements
 * 6.1: Beams and combined Wall Elements
 ** rev 2021 and later
 BEAM WallElement_23099 LeftWall_36 -16.52 -0.32 C3240_112 1.206 1.0395 0.14618 25.987 00 00 0


 * 6.2: Supports




 * 6.3: Strips

 * 7: Defining Steps
 STEP Stage1_2689
 CHANGE a_20886_12_L_0 U-FRICT=18 LeftWall_36
 CHANGE a_20886_12_L_0 D-FRICT=18 LeftWall_36
 CHANGE a_20886_12_L_0 U-KA=0.766 LeftWall_36
 CHANGE a_20886_12_L_0 U-KP=2.853 LeftWall_36
 CHANGE a_20886_12_L_0 D-KA=0.391 LeftWall_36
```

```
CHANGE a_20886_12_L_0 D-KP=1.118 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-FRICT=25 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-FRICT=25 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-KA=0.488 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-KP=4.417 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KA=0.3 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KP=1.722 LeftWall_36
CHANGE Salt_167_22090_L_0 U-FRICT=26 LeftWall_36
CHANGE Salt_167_22090_L_0 D-FRICT=26 LeftWall_36
CHANGE Salt_167_22090_L_0 U-KA=0.463 LeftWall_36
CHANGE Salt_167_22090_L_0 U-KP=4.643 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KA=0.288 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KP=1.816 LeftWall_36
CHANGE a_20886_12_L_0 U-COHE=0 LeftWall_36
CHANGE a_20886_12_L_0 U-ADHES=0 LeftWall_36
CHANGE a_20886_12_L_0 D-COHE=0 LeftWall_36
CHANGE a_20886_12_L_0 D-ADHES=0 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-COHE=10 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-ADHES=0 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-COHE=10 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-ADHES=0 LeftWall_36
CHANGE Salt_167_22090_L_0 U-COHE=10 LeftWall_36
CHANGE Salt_167_22090_L_0 U-ADHES=0 LeftWall_36
CHANGE Salt_167_22090_L_0 D-COHE=10 LeftWall_36
CHANGE Salt_167_22090_L_0 D-ADHES=0 LeftWall_36
SETWALL LeftWall_36
GEOM 0 0
SURCHARGE 0 0 0 0
WATER -4.3401 0.31279 -16.52 0 0
ENDSTEP

STEP Stage2-Prescavo_22100
CHANGE a_20886_12_L_0 U-KA=0.509 LeftWall_36
CHANGE a_20886_12_L_0 U-KP=2.855 LeftWall_36
CHANGE a_20886_12_L_0 D-KA=0.436 LeftWall_36
CHANGE a_20886_12_L_0 D-KP=1.626 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-KA=0.493 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-KP=4.453 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KA=0.312 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KP=1.917 LeftWall_36
CHANGE Salt_167_22090_L_0 U-KA=0.471 LeftWall_36
CHANGE Salt_167_22090_L_0 U-KP=4.683 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KA=0.298 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KP=1.986 LeftWall_36
SETWALL LeftWall_36
GEOM -0.32 -0.32
SURCHARGE 0 0 0 0
WATER -4.3401 0.31279 -16.52 0 0
ENDSTEP

STEP Stage3-Paratia_22846
SETWALL LeftWall_36
GEOM -0.32 -0.32
SURCHARGE 0 0 0 0
WATER -4.3401 0.31279 -16.52 0 0
ADD WallElement_23099
ENDSTEP

STEP Stage4-ScavoH=1.5m_23100
CHANGE a_20886_12_L_0 D-KA=0.477 LeftWall_36
CHANGE a_20886_12_L_0 D-KP=2.242 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KA=0.355 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KP=2.66 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KA=0.337 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KP=2.668 LeftWall_36
SETWALL LeftWall_36
GEOM -0.32 -1.82
SURCHARGE 0 0 0 0
WATER -4.3401 0.31279 -16.52 0 0
ENDSTEP

STEP Stage5-ScavoH=3m_23353
CHANGE Ecla_20887_22088_L_0 D-KA=0.359 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KP=3.112 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KA=0.344 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KP=3.146 LeftWall_36
SETWALL LeftWall_36
GEOM -0.32 -3.32
SURCHARGE 0 0 0 0
WATER -4.3401 0.31279 -16.52 0 0
ENDSTEP

STEP Stage6-ScavoH=4.84m_23606
CHANGE Ecla_20887_22088_L_0 D-KP=3.291 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KP=3.491 LeftWall_36
SETWALL LeftWall_36
GEOM -0.32 -5.16
SURCHARGE 0 0 0 0
WATER -5.2401 0.37452 -16.52 0 0
ENDSTEP

STEP Sismica_23859
```

```
SETWALL LeftWall_36
GEOM -0.32 -5.16
SURCHARGE 0 0 0 0
WATER -5.2401 0.37452 -16.52 0 0
ENDSTEP
```

8.4. Design Assumption : SLE (Rara/Frequente/Quasi Permanente) - File di Paratie - File di output (.out)

```
+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                Exe Time :28 January 2022   10:29:44                                                   |
+-----------------------------------------------------------------------------------------------------------------------+

                    ********************************************************
                    *                                                      *
                    *  PARATIE PLUS Non-Linear Spring Engine               *
                    *                                                      *
                    *          AN ELASTOPLASTIC FINITE ELEMENT PROGRAM     *
                    *          FOR FLEXIBLE EARTH-RETAINING STRUCTURES     *
                    *                                                      *
                    *          Written by CEAS s.r.l. (ITALY)              *
                    *          with the scientific supervision of          *
                    *          Roberto Nova - full professor SOIL MECHANICS*
                    *          at Politecnico di Milano (ITALY)            *
                    *                                                      *
                    ********************************************************
                    *                                                      *
                    *  RELEASE   2022.0.0   *Build date:Sep 13, 2021*      *
                    *                                                      *
                    *                                                      *
                    *  CEAS S.R.L  VIALE   GIUSTINIANO 10                  *
                    *              20129   M I L A N O  (ITALIA)           *
                    *  TEL.        +39 02 2020221                          *
                    *                                                      *
                    *  email       bruno.becci@ceas.it                     *
                    *  Web Page    www.ceas.it     www.paratieplus.com     *
                    ********************************************************



 JOB : ParatiePlus
 STARTING
ACCEPTED   &lt;FILE,GENW                                                                    &gt;
ACCEPTED   &lt;FILE,PLOTTER,BINARY                                                          &gt;
ACCEPTED   &lt;SOLVE TOTAL_STRESS                                                           &gt;
ACCEPTED   &lt;PARAM ITEMAX 40                                                              &gt;
ACCEPTED   &lt;CONTROL CONTACT LAGRANGE                                                     &gt;
ACCEPTED   &lt;CONTROL HINGES 0 0.0001 0.001                                                &gt;


                    ********************************************************
                    *                                                      *
                    *  WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED *
                    *    BY THE PROGRAM.                                   *
                    ********************************************************

PRELIMINARY OPERATIONS CPU TIME     0.00 [sec]
```

```
+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:44                                                 |
+-----------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................   82
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)...................... 164
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    3
NO. OF SOLUTION STEPS (NSTE)...................    7
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN ..................... 136
NO. OF LONG NAMES (LASTNAME) ..................   23
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
MAX INELASTIC DISPL. TABLE LENGTH..............    0
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


IDOFA (01) =  2  Y-DISPL.F
IDOFA (02) =  4   X-ROT. F

 RELEVANT ITEMS UNITS

 STRESSES                  kPa
 Y-DISPLACEMENTS           m
 ROTATIONS                 RADIANS
 BEAM AND SLAB MOMENTS     kN*m/m
 BEAM SHEAR FORCES         kN/m
 ANCHOR FORCES             kN/m
 AXIAL FORCES IN TRUSSES   kN/m
 AXIAL FORCES SPRINGS      kN/m
 Y-REACTIONS               kN/m
 X-MOMENT REACTIONS        kN*m/m
 ETC.
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*              |
|                                                                                                                         |
|                                                ParatiePlus                                                              |
|                                Exe Time :28 January 2022   10:29:44                                                     |
+-------------------------------------------------------------------------------------------------------------------------+
                  P R E P R O C E S S O R     D A T A

                  N O.  O F   C O M M A N D S    136

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
    4 : option param itemax 40
    5 : option control contact lagrange
    6 : option control hinges 0 0.0001 0.001
    7 : WALL LeftWall_36 0 -16.52 -0.32 1
    8 : SOIL 0_L LeftWall_36 -16.52 -0.32 1 0
    9 : SOIL 0_R LeftWall_36 -16.52 -0.32 2 180
   10 : LDATA a_20886_12_L_0 0 LeftWall_36
   11 : ATREST 0.5 0.5 1
   12 : WEIGHT 19 9 10
   13 : PERMEABILITY 1E-05
   14 : RESISTANCE 0 18 0 0 0
   15 : TZDATA  LINEAR 10000 0 25 0.5 0
   16 : KSCALE  0 0
   17 : YOUNG 30000 90000
   18 : ENDL
   19 : LDATA Ecla_20887_22088_L_0 -4.5 LeftWall_36
   20 : ATREST 0.5 0.5 1
   21 : WEIGHT 19 9 10
   22 : PERMEABILITY 1E-05
   23 : RESISTANCE 10 25 0 0 0
   24 : TZDATA  LINEAR 10000 0 25 0.5 0
   25 : KSCALE  0 0
   26 : YOUNG 30000 90000
   27 : ENDL
   28 : LDATA Salt_167_22090_L_0 -13.9 LeftWall_36
   29 : ATREST 0.5 0.5 1
   30 : WEIGHT 20 10 10
   31 : PERMEABILITY 1E-05
   32 : RESISTANCE 10 26 0 0 0
   33 : TZDATA  LINEAR 10000 0 25 0.5 0
   34 : KSCALE  0 0
   35 : YOUNG 2E+05 6E+05
   36 : ENDL
   37 : MATERIAL Fe360_114 2.06E+08
   38 : MATERIAL C3240_112 3.3346E+07
   39 : BEAM WallElement_23099 LeftWall_36 -16.52 -0.32 C3240_112 1.206 1.0395 0.14618 25.987 00 00 0
   40 : STEP Stage1_2689
   41 : CHANGE a_20886_12_L_0 U-FRICT=18 LeftWall_36
   42 : CHANGE a_20886_12_L_0 D-FRICT=18 LeftWall_36
   43 : CHANGE a_20886_12_L_0 U-KA=0.766 LeftWall_36
   44 : CHANGE a_20886_12_L_0 U-KP=2.853 LeftWall_36
   45 : CHANGE a_20886_12_L_0 D-KA=0.391 LeftWall_36
   46 : CHANGE a_20886_12_L_0 D-KP=1.118 LeftWall_36
   47 : CHANGE Ecla_20887_22088_L_0 U-FRICT=25 LeftWall_36
   48 : CHANGE Ecla_20887_22088_L_0 D-FRICT=25 LeftWall_36
   49 : CHANGE Ecla_20887_22088_L_0 U-KA=0.488 LeftWall_36
   50 : CHANGE Ecla_20887_22088_L_0 U-KP=4.417 LeftWall_36
   51 : CHANGE Ecla_20887_22088_L_0 D-KA=0.3 LeftWall_36
   52 : CHANGE Ecla_20887_22088_L_0 D-KP=1.722 LeftWall_36
   53 : CHANGE Salt_167_22090_L_0 U-FRICT=26 LeftWall_36
   54 : CHANGE Salt_167_22090_L_0 D-FRICT=26 LeftWall_36
   55 : CHANGE Salt_167_22090_L_0 U-KA=0.463 LeftWall_36
   56 : CHANGE Salt_167_22090_L_0 U-KP=4.643 LeftWall_36
   57 : CHANGE Salt_167_22090_L_0 D-KA=0.288 LeftWall_36
   58 : CHANGE Salt_167_22090_L_0 D-KP=1.816 LeftWall_36
   59 : CHANGE a_20886_12_L_0 U-COHE=0 LeftWall_36
   60 : CHANGE a_20886_12_L_0 U-ADHES=0 LeftWall_36
   61 : CHANGE a_20886_12_L_0 D-COHE=0 LeftWall_36
   62 : CHANGE a_20886_12_L_0 D-ADHES=0 LeftWall_36
   63 : CHANGE Ecla_20887_22088_L_0 U-COHE=10 LeftWall_36
   64 : CHANGE Ecla_20887_22088_L_0 U-ADHES=0 LeftWall_36
   65 : CHANGE Ecla_20887_22088_L_0 D-COHE=10 LeftWall_36
   66 : CHANGE Ecla_20887_22088_L_0 D-ADHES=0 LeftWall_36
   67 : CHANGE Salt_167_22090_L_0 U-COHE=10 LeftWall_36
   68 : CHANGE Salt_167_22090_L_0 U-ADHES=0 LeftWall_36
   69 : CHANGE Salt_167_22090_L_0 D-COHE=10 LeftWall_36
   70 : CHANGE Salt_167_22090_L_0 D-ADHES=0 LeftWall_36
   71 : SETWALL LeftWall_36
   72 : GEOM 0 0
   73 : SURCHARGE 0 0 0 0
   74 : WATER -4.3401 0.31279 -16.52 0 0
   75 : ENDSTEP
   76 : STEP Stage2-Prescavo_22100
   77 : CHANGE a_20886_12_L_0 U-KA=0.509 LeftWall_36
   78 : CHANGE a_20886_12_L_0 U-KP=2.855 LeftWall_36
   79 : CHANGE a_20886_12_L_0 D-KA=0.436 LeftWall_36
```

```
 80 : CHANGE a_20886_12_L_0 D-KP=1.626 LeftWall_36
 81 : CHANGE Ecla_20887_22088_L_0 U-KA=0.493 LeftWall_36
 82 : CHANGE Ecla_20887_22088_L_0 U-KP=4.453 LeftWall_36
 83 : CHANGE Ecla_20887_22088_L_0 D-KA=0.312 LeftWall_36
 84 : CHANGE Ecla_20887_22088_L_0 D-KP=1.917 LeftWall_36
 85 : CHANGE Salt_167_22090_L_0 U-KA=0.471 LeftWall_36
 86 : CHANGE Salt_167_22090_L_0 U-KP=4.683 LeftWall_36
 87 : CHANGE Salt_167_22090_L_0 D-KA=0.298 LeftWall_36
 88 : CHANGE Salt_167_22090_L_0 D-KP=1.986 LeftWall_36
 89 : SETWALL LeftWall_36
 90 : GEOM -0.32 -0.32
 91 : SURCHARGE 0 0 0 0
 92 : WATER -4.3401 0.31279 -16.52 0 0
 93 : ENDSTEP
 94 : STEP Stage3-Paratia_22846
 95 : SETWALL LeftWall_36
 96 : GEOM -0.32 -0.32
 97 : SURCHARGE 0 0 0 0
 98 : WATER -4.3401 0.31279 -16.52 0 0
 99 : ADD WallElement_23099
100 : ENDSTEP
101 : STEP Stage4-ScavoH=1.5m_23100
102 : CHANGE a_20886_12_L_0 D-KA=0.477 LeftWall_36
103 : CHANGE a_20886_12_L_0 D-KP=2.242 LeftWall_36
104 : CHANGE Ecla_20887_22088_L_0 D-KA=0.355 LeftWall_36
105 : CHANGE Ecla_20887_22088_L_0 D-KP=2.66 LeftWall_36
106 : CHANGE Salt_167_22090_L_0 D-KA=0.337 LeftWall_36
107 : CHANGE Salt_167_22090_L_0 D-KP=2.668 LeftWall_36
108 : SETWALL LeftWall_36
109 : GEOM -0.32 -1.82
110 : SURCHARGE 0 0 0 0
111 : WATER -4.3401 0.31279 -16.52 0 0
112 : ENDSTEP
113 : STEP Stage5-ScavoH=3m_23353
114 : CHANGE Ecla_20887_22088_L_0 D-KA=0.359 LeftWall_36
115 : CHANGE Ecla_20887_22088_L_0 D-KP=3.112 LeftWall_36
116 : CHANGE Salt_167_22090_L_0 D-KA=0.344 LeftWall_36
117 : CHANGE Salt_167_22090_L_0 D-KP=3.146 LeftWall_36
118 : SETWALL LeftWall_36
119 : GEOM -0.32 -3.32
120 : SURCHARGE 0 0 0 0
121 : WATER -4.3401 0.31279 -16.52 0 0
122 : ENDSTEP
123 : STEP Stage6-ScavoH=4.84m_23606
124 : CHANGE Ecla_20887_22088_L_0 D-KP=3.291 LeftWall_36
125 : CHANGE Salt_167_22090_L_0 D-KP=3.491 LeftWall_36
126 : SETWALL LeftWall_36
127 : GEOM -0.32 -5.16
128 : SURCHARGE 0 0 0 0
129 : WATER -5.2401 0.37452 -16.52 0 0
130 : ENDSTEP
131 : STEP Sismica_23859
132 : SETWALL LeftWall_36
133 : GEOM -0.32 -5.16
134 : SURCHARGE 0 0 0 0
135 : WATER -5.2401 0.37452 -16.52 0 0
136 : ENDSTEP
```

N O D A L P O I N T D A T A

NODE	Y-COORD	Z-COORD	NODE	Y-COORD	Z-COORD	NODE	Y-COORD	Z-COORD	NODE	Y-COORD	Z-COORD
1	0.0000	-0.32000	2	0.0000	-0.52000	3	0.0000	-0.72000	4	0.0000	-0.92000
5	0.0000	-1.1200	6	0.0000	-1.3200	7	0.0000	-1.5200	8	0.0000	-1.7200
9	0.0000	-1.9200	10	0.0000	-2.1200	11	0.0000	-2.3200	12	0.0000	-2.5200
13	0.0000	-2.7200	14	0.0000	-2.9200	15	0.0000	-3.1200	16	0.0000	-3.3200
17	0.0000	-3.5200	18	0.0000	-3.7200	19	0.0000	-3.9200	20	0.0000	-4.1200
21	0.0000	-4.3200	22	0.0000	-4.5200	23	0.0000	-4.7200	24	0.0000	-4.9200
25	0.0000	-5.1200	26	0.0000	-5.3200	27	0.0000	-5.5200	28	0.0000	-5.7200
29	0.0000	-5.9200	30	0.0000	-6.1200	31	0.0000	-6.3200	32	0.0000	-6.5200
33	0.0000	-6.7200	34	0.0000	-6.9200	35	0.0000	-7.1200	36	0.0000	-7.3200
37	0.0000	-7.5200	38	0.0000	-7.7200	39	0.0000	-7.9200	40	0.0000	-8.1200
41	0.0000	-8.3200	42	0.0000	-8.5200	43	0.0000	-8.7200	44	0.0000	-8.9200
45	0.0000	-9.1200	46	0.0000	-9.3200	47	0.0000	-9.5200	48	0.0000	-9.7200
49	0.0000	-9.9200	50	0.0000	-10.120	51	0.0000	-10.320	52	0.0000	-10.520
53	0.0000	-10.720	54	0.0000	-10.920	55	0.0000	-11.120	56	0.0000	-11.320
57	0.0000	-11.520	58	0.0000	-11.720	59	0.0000	-11.920	60	0.0000	-12.120
61	0.0000	-12.320	62	0.0000	-12.520	63	0.0000	-12.720	64	0.0000	-12.920
65	0.0000	-13.120	66	0.0000	-13.320	67	0.0000	-13.520	68	0.0000	-13.720
69	0.0000	-13.920	70	0.0000	-14.120	71	0.0000	-14.320	72	0.0000	-14.520
73	0.0000	-14.720	74	0.0000	-14.920	75	0.0000	-15.120	76	0.0000	-15.320
77	0.0000	-15.520	78	0.0000	-15.720	79	0.0000	-15.920	80	0.0000	-16.120
81	0.0000	-16.320	82	0.0000	-16.520						

```
+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:44                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                                                        :
   5  82   0   1   0   0   0   0   0   0   0   0   0   0   3   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active
    7   active

 material set no.    1

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  2.00000


 material set no.    3

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  3.00000


 element data

   el    n  mat      area     .....     .....     .....      flag
-------------------------------------------------------------------

    1    1    1    0.1000       0.000       0.000       0.000       1.000
    2    2    1    0.2000       0.000       0.000       0.000       1.000
    3    3    1    0.2000       0.000       0.000       0.000       1.000
    4    4    1    0.2000       0.000       0.000       0.000       1.000
    5    5    1    0.2000       0.000       0.000       0.000       1.000
    6    6    1    0.2000       0.000       0.000       0.000       1.000
    7    7    1    0.2000       0.000       0.000       0.000       1.000
    8    8    1    0.2000       0.000       0.000       0.000       1.000
    9    9    1    0.2000       0.000       0.000       0.000       1.000
   10   10    1    0.2000       0.000       0.000       0.000       1.000
   11   11    1    0.2000       0.000       0.000       0.000       1.000
   12   12    1    0.2000       0.000       0.000       0.000       1.000
   13   13    1    0.2000       0.000       0.000       0.000       1.000
   14   14    1    0.2000       0.000       0.000       0.000       1.000
   15   15    1    0.2000       0.000       0.000       0.000       1.000
   16   16    1    0.2000       0.000       0.000       0.000       1.000
   17   17    1    0.2000       0.000       0.000       0.000       1.000
   18   18    1    0.2000       0.000       0.000       0.000       1.000
   19   19    1    0.2000       0.000       0.000       0.000       1.000
   20   20    1    0.2000       0.000       0.000       0.000       1.000
   21   21    1    0.2000       0.000       0.000       0.000       1.000
   22   22    2    0.2000       0.000       0.000       0.000       1.000
   23   23    2    0.2000       0.000       0.000       0.000       1.000
   24   24    2    0.2000       0.000       0.000       0.000       1.000
   25   25    2    0.2000       0.000       0.000       0.000       1.000
   26   26    2    0.2000       0.000       0.000       0.000       1.000
   27   27    2    0.2000       0.000       0.000       0.000       1.000
   28   28    2    0.2000       0.000       0.000       0.000       1.000
   29   29    2    0.2000       0.000       0.000       0.000       1.000
   30   30    2    0.2000       0.000       0.000       0.000       1.000
   31   31    2    0.2000       0.000       0.000       0.000       1.000
   32   32    2    0.2000       0.000       0.000       0.000       1.000
   33   33    2    0.2000       0.000       0.000       0.000       1.000
   34   34    2    0.2000       0.000       0.000       0.000       1.000
   35   35    2    0.2000       0.000       0.000       0.000       1.000
   36   36    2    0.2000       0.000       0.000       0.000       1.000
   37   37    2    0.2000       0.000       0.000       0.000       1.000
   38   38    2    0.2000       0.000       0.000       0.000       1.000
   39   39    2    0.2000       0.000       0.000       0.000       1.000
   40   40    2    0.2000       0.000       0.000       0.000       1.000
```

41	41	2	0.2000	0.000	0.000	0.000	1.000
42	42	2	0.2000	0.000	0.000	0.000	1.000
43	43	2	0.2000	0.000	0.000	0.000	1.000
44	44	2	0.2000	0.000	0.000	0.000	1.000
45	45	2	0.2000	0.000	0.000	0.000	1.000
46	46	2	0.2000	0.000	0.000	0.000	1.000
47	47	2	0.2000	0.000	0.000	0.000	1.000
48	48	2	0.2000	0.000	0.000	0.000	1.000
49	49	2	0.2000	0.000	0.000	0.000	1.000
50	50	2	0.2000	0.000	0.000	0.000	1.000
51	51	2	0.2000	0.000	0.000	0.000	1.000
52	52	2	0.2000	0.000	0.000	0.000	1.000
53	53	2	0.2000	0.000	0.000	0.000	1.000
54	54	2	0.2000	0.000	0.000	0.000	1.000
55	55	2	0.2000	0.000	0.000	0.000	1.000
56	56	2	0.2000	0.000	0.000	0.000	1.000
57	57	2	0.2000	0.000	0.000	0.000	1.000
58	58	2	0.2000	0.000	0.000	0.000	1.000
59	59	2	0.2000	0.000	0.000	0.000	1.000
60	60	2	0.2000	0.000	0.000	0.000	1.000
61	61	2	0.2000	0.000	0.000	0.000	1.000
62	62	2	0.2000	0.000	0.000	0.000	1.000
63	63	2	0.2000	0.000	0.000	0.000	1.000
64	64	2	0.2000	0.000	0.000	0.000	1.000
65	65	2	0.2000	0.000	0.000	0.000	1.000
66	66	2	0.2000	0.000	0.000	0.000	1.000
67	67	2	0.2000	0.000	0.000	0.000	1.000
68	68	2	0.2000	0.000	0.000	0.000	1.000
69	69	3	0.2000	0.000	0.000	0.000	1.000
70	70	3	0.2000	0.000	0.000	0.000	1.000
71	71	3	0.2000	0.000	0.000	0.000	1.000
72	72	3	0.2000	0.000	0.000	0.000	1.000
73	73	3	0.2000	0.000	0.000	0.000	1.000
74	74	3	0.2000	0.000	0.000	0.000	1.000
75	75	3	0.2000	0.000	0.000	0.000	1.000
76	76	3	0.2000	0.000	0.000	0.000	1.000
77	77	3	0.2000	0.000	0.000	0.000	1.000
78	78	3	0.2000	0.000	0.000	0.000	1.000
79	79	3	0.2000	0.000	0.000	0.000	1.000
80	80	3	0.2000	0.000	0.000	0.000	1.000
81	81	3	0.2000	0.000	0.000	0.000	1.000
82	82	3	0.1000	0.000	0.000	0.000	1.000

```
+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:44                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                                                        :
   5  82   0   1   0   0   0   0   0   0   0   0   0   0   3   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active
    7   active

 material set no.    1

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  2.00000


 material set no.    3

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  3.00000


 element data

   el    n  mat      area     .....     .....     .....      flag
-----------------------------------------------------------------

    1    1    1    0.1000       0.000       0.000       0.000       2.000
    2    2    1    0.2000       0.000       0.000       0.000       2.000
    3    3    1    0.2000       0.000       0.000       0.000       2.000
    4    4    1    0.2000       0.000       0.000       0.000       2.000
    5    5    1    0.2000       0.000       0.000       0.000       2.000
    6    6    1    0.2000       0.000       0.000       0.000       2.000
    7    7    1    0.2000       0.000       0.000       0.000       2.000
    8    8    1    0.2000       0.000       0.000       0.000       2.000
    9    9    1    0.2000       0.000       0.000       0.000       2.000
   10   10    1    0.2000       0.000       0.000       0.000       2.000
   11   11    1    0.2000       0.000       0.000       0.000       2.000
   12   12    1    0.2000       0.000       0.000       0.000       2.000
   13   13    1    0.2000       0.000       0.000       0.000       2.000
   14   14    1    0.2000       0.000       0.000       0.000       2.000
   15   15    1    0.2000       0.000       0.000       0.000       2.000
   16   16    1    0.2000       0.000       0.000       0.000       2.000
   17   17    1    0.2000       0.000       0.000       0.000       2.000
   18   18    1    0.2000       0.000       0.000       0.000       2.000
   19   19    1    0.2000       0.000       0.000       0.000       2.000
   20   20    1    0.2000       0.000       0.000       0.000       2.000
   21   21    1    0.2000       0.000       0.000       0.000       2.000
   22   22    2    0.2000       0.000       0.000       0.000       2.000
   23   23    2    0.2000       0.000       0.000       0.000       2.000
   24   24    2    0.2000       0.000       0.000       0.000       2.000
   25   25    2    0.2000       0.000       0.000       0.000       2.000
   26   26    2    0.2000       0.000       0.000       0.000       2.000
   27   27    2    0.2000       0.000       0.000       0.000       2.000
   28   28    2    0.2000       0.000       0.000       0.000       2.000
   29   29    2    0.2000       0.000       0.000       0.000       2.000
   30   30    2    0.2000       0.000       0.000       0.000       2.000
   31   31    2    0.2000       0.000       0.000       0.000       2.000
   32   32    2    0.2000       0.000       0.000       0.000       2.000
   33   33    2    0.2000       0.000       0.000       0.000       2.000
   34   34    2    0.2000       0.000       0.000       0.000       2.000
   35   35    2    0.2000       0.000       0.000       0.000       2.000
   36   36    2    0.2000       0.000       0.000       0.000       2.000
   37   37    2    0.2000       0.000       0.000       0.000       2.000
   38   38    2    0.2000       0.000       0.000       0.000       2.000
   39   39    2    0.2000       0.000       0.000       0.000       2.000
   40   40    2    0.2000       0.000       0.000       0.000       2.000
```

41	41	2	0.2000	0.000	0.000	0.000	2.000
42	42	2	0.2000	0.000	0.000	0.000	2.000
43	43	2	0.2000	0.000	0.000	0.000	2.000
44	44	2	0.2000	0.000	0.000	0.000	2.000
45	45	2	0.2000	0.000	0.000	0.000	2.000
46	46	2	0.2000	0.000	0.000	0.000	2.000
47	47	2	0.2000	0.000	0.000	0.000	2.000
48	48	2	0.2000	0.000	0.000	0.000	2.000
49	49	2	0.2000	0.000	0.000	0.000	2.000
50	50	2	0.2000	0.000	0.000	0.000	2.000
51	51	2	0.2000	0.000	0.000	0.000	2.000
52	52	2	0.2000	0.000	0.000	0.000	2.000
53	53	2	0.2000	0.000	0.000	0.000	2.000
54	54	2	0.2000	0.000	0.000	0.000	2.000
55	55	2	0.2000	0.000	0.000	0.000	2.000
56	56	2	0.2000	0.000	0.000	0.000	2.000
57	57	2	0.2000	0.000	0.000	0.000	2.000
58	58	2	0.2000	0.000	0.000	0.000	2.000
59	59	2	0.2000	0.000	0.000	0.000	2.000
60	60	2	0.2000	0.000	0.000	0.000	2.000
61	61	2	0.2000	0.000	0.000	0.000	2.000
62	62	2	0.2000	0.000	0.000	0.000	2.000
63	63	2	0.2000	0.000	0.000	0.000	2.000
64	64	2	0.2000	0.000	0.000	0.000	2.000
65	65	2	0.2000	0.000	0.000	0.000	2.000
66	66	2	0.2000	0.000	0.000	0.000	2.000
67	67	2	0.2000	0.000	0.000	0.000	2.000
68	68	2	0.2000	0.000	0.000	0.000	2.000
69	69	3	0.2000	0.000	0.000	0.000	2.000
70	70	3	0.2000	0.000	0.000	0.000	2.000
71	71	3	0.2000	0.000	0.000	0.000	2.000
72	72	3	0.2000	0.000	0.000	0.000	2.000
73	73	3	0.2000	0.000	0.000	0.000	2.000
74	74	3	0.2000	0.000	0.000	0.000	2.000
75	75	3	0.2000	0.000	0.000	0.000	2.000
76	76	3	0.2000	0.000	0.000	0.000	2.000
77	77	3	0.2000	0.000	0.000	0.000	2.000
78	78	3	0.2000	0.000	0.000	0.000	2.000
79	79	3	0.2000	0.000	0.000	0.000	2.000
80	80	3	0.2000	0.000	0.000	0.000	2.000
81	81	3	0.2000	0.000	0.000	0.000	2.000
82	82	3	0.1000	0.000	0.000	0.000	2.000

ELEMENT GROUP NO. 3

WallElement_23099 :

2 81 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0

.....

.....2D WALL ELEMENT.....

.....

element group behaviour throughout stage analysis

stage	status
1	inactive
2	inactive
3	active
4	active
5	active
6	active
7	active

material set no. 1

prop(1) young modulus 0.333500E+08
prop(2) modification time 0.00000
prop(3) new young modulus 0.00000
prop(4) poisson ratio 0.00000
prop(5) future 0.00000

no. of step variable items: 1

step	inertia multipier
1	1.000
2	1.000
3	1.000
4	1.000
5	1.000
6	1.000
7	1.000

element data

el	na	nb	mat	erc1	erc2	thick	area	inertia	wgt(-z)	by-i	by-j
1	1	2	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
2	2	3	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
3	3	4	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
4	4	5	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
5	5	6	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
6	6	7	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
7	7	8	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
8	8	9	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
9	9	10	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
10	10	11	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
11	11	12	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
12	12	13	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
13	13	14	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
14	14	15	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
15	15	16	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
16	16	17	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
17	17	18	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
18	18	19	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
19	19	20	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
20	20	21	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
21	21	22	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
22	22	23	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
23	23	24	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
24	24	25	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
25	25	26	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
26	26	27	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
27	27	28	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
28	28	29	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
29	29	30	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
30	30	31	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
31	31	32	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
32	32	33	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
33	33	34	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
34	34	35	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
35	35	36	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
36	36	37	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
37	37	38	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
38	38	39	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
39	39	40	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000

40	40	41	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
41	41	42	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
42	42	43	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
43	43	44	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
44	44	45	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
45	45	46	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
46	46	47	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
47	47	48	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
48	48	49	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
49	49	50	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
50	50	51	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
51	51	52	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
52	52	53	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
53	53	54	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
54	54	55	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
55	55	56	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
56	56	57	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
57	57	58	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
58	58	59	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
59	59	60	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
60	60	61	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
61	61	62	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
62	62	63	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
63	63	64	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
64	64	65	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
65	65	66	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
66	66	67	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
67	67	68	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
68	68	69	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
69	69	70	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
70	70	71	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
71	71	72	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
72	72	73	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
73	73	74	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
74	74	75	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
75	75	76	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
76	76	77	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
77	77	78	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
78	78	79	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
79	79	80	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
80	80	81	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
81	81	82	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000

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+-------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*           |
|                                                                                                                   |
|                                                ParatiePlus                                                        |
|                                  Exe Time :28 January 2022   10:29:44                                             |
+-------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ..................    0
NO. OF LOAD CURVES  (NLCUR) ..................   14
MAXIMUM POINTS/LCURVE (NPTM)..................    5
```

L O A D D A T A

LOAD FUNCTION NUMBER = 1
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
0.80000	0.0000E+00
1.00000	0.1000E+01
1.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 2
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
1.80000	0.0000E+00
2.00000	0.1000E+01
2.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 3
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
2.80000	0.0000E+00
3.00000	0.1000E+01
3.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 4
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
3.80000	0.0000E+00
4.00000	0.1000E+01
4.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 5
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
4.80000	0.0000E+00
5.00000	0.1000E+01
5.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 6
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
5.80000	0.0000E+00
6.00000	0.1000E+01
6.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 7

NUMBER OF TIME POINTS =   5

TIME VALUE   FUNCTION

   0.00000   0.0000E+00
   6.80000   0.0000E+00
   7.00000   0.1000E+01
   7.20000   0.0000E+00
   8.00000   0.0000E+00

LOAD FUNCTION NUMBER   =   8
NUMBER OF TIME POINTS =   4

TIME VALUE   FUNCTION

   0.00000   0.0000E+00
   0.80000   0.0000E+00
   1.00000   0.1000E+01
   8.00000   0.1000E+01

LOAD FUNCTION NUMBER   =   9
NUMBER OF TIME POINTS =   4

TIME VALUE   FUNCTION

   0.00000   0.0000E+00
   1.80000   0.0000E+00
   2.00000   0.1000E+01
   8.00000   0.1000E+01

LOAD FUNCTION NUMBER   =   10
NUMBER OF TIME POINTS =   4

TIME VALUE   FUNCTION

   0.00000   0.0000E+00
   2.80000   0.0000E+00
   3.00000   0.1000E+01
   8.00000   0.1000E+01

LOAD FUNCTION NUMBER   =   11
NUMBER OF TIME POINTS =   4

TIME VALUE   FUNCTION

   0.00000   0.0000E+00
   3.80000   0.0000E+00
   4.00000   0.1000E+01
   8.00000   0.1000E+01

LOAD FUNCTION NUMBER   =   12
NUMBER OF TIME POINTS =   4

TIME VALUE   FUNCTION

   0.00000   0.0000E+00
   4.80000   0.0000E+00
   5.00000   0.1000E+01
   8.00000   0.1000E+01

LOAD FUNCTION NUMBER   =   13
NUMBER OF TIME POINTS =   4

TIME VALUE   FUNCTION

   0.00000   0.0000E+00
   5.80000   0.0000E+00
   6.00000   0.1000E+01
   8.00000   0.1000E+01

LOAD FUNCTION NUMBER   =   14
NUMBER OF TIME POINTS =   4

TIME VALUE   FUNCTION

   0.00000   0.0000E+00
   6.80000   0.0000E+00
   7.00000   0.1000E+01

```
       8.00000    0.1000E+01

NO. OF DISTRIBUTED LOAD CARDS     0
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L O A D B A L A N C E

STEP 1 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 0.0000000
STEP 1 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

STEP 2 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 0.0000000
STEP 2 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

STEP 3 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 0.0000000
STEP 3 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

STEP 4 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 0.0000000
STEP 4 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

STEP 5 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 0.0000000
STEP 5 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

STEP 6 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 0.0000000
STEP 6 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

STEP 7 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 0.0000000
STEP 7 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

LOAD INPUT SECTION COMPLETED

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+-------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*           |
|                                                                                                                   |
|                                              ParatiePlus                                                          |
|                                 Exe Time :28 January 2022   10:29:44                                              |
+-------------------------------------------------------------------------------------------------------------------+


NO. OF LAYERS ..............................    3
NO. OF DATA PER LAYER.......................  160
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LAYER DESCRIPTORS FOR STEP NO. 1

NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 1 FOR STEP NO. 1

ITEM NO. 1<NAME >= 18.000 (BOTH WALLS)
ITEM NO. 2<NATURE >= 1.0000 (BOTH WALLS)
ITEM NO. 3<LEVEL >= 0.0000 (BOTH WALLS)
ITEM NO. 4<WALL >= 1.0000 (BOTH WALLS)
ITEM NO. 5<GAMMAD >= 19.000 (BOTH WALLS)
ITEM NO. 6<GAMMAB >= 9.0000 (BOTH WALLS)
ITEM NO. 7<GAMMAW >= 10.000 (BOTH WALLS)
ITEM NO. 9<U-FRICT >= 18.000 (BOTH WALLS)
ITEM NO. 10<U-KA >= 0.76600 WALL NO. 1
ITEM NO. 11<U-KP >= 2.8530 WALL NO. 1
ITEM NO. 12<K0-NC >= 0.50000 (BOTH WALLS)
ITEM NO. 13<NEXP >= 0.50000 (BOTH WALLS)
ITEM NO. 14<OCR >= 1.0000 (BOTH WALLS)
ITEM NO. 16<MODEL >= 1.0000 (BOTH WALLS)
ITEM NO. 17<EVC >= 30000. (BOTH WALLS)
ITEM NO. 18<EUR >= 90000. (BOTH WALLS)
ITEM NO. 27<U-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 58<U-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 60<U-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 61<U-TZALPH>= 0.50000 (BOTH WALLS)
ITEM NO. 82<D-NATURE>= 1.0000 (BOTH WALLS)
ITEM NO. 83<D-LEVEL >= 0.0000 (BOTH WALLS)
ITEM NO. 89<D-FRICT >= 18.000 (BOTH WALLS)
ITEM NO. 90<D-KA >= 0.39100 WALL NO. 1
ITEM NO. 91<D-KP >= 1.1180 WALL NO. 1
ITEM NO. 107<D-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138<D-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 140<D-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 141<D-TZALPH>= 0.50000 (BOTH WALLS)

NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 2 FOR STEP NO. 1

ITEM NO. 1<NAME >= 19.000 (BOTH WALLS)
ITEM NO. 2<NATURE >= 1.0000 (BOTH WALLS)
ITEM NO. 3<LEVEL >= -4.5000 (BOTH WALLS)
ITEM NO. 4<WALL >= 1.0000 (BOTH WALLS)
ITEM NO. 5<GAMMAD >= 19.000 (BOTH WALLS)
ITEM NO. 6<GAMMAB >= 9.0000 (BOTH WALLS)
ITEM NO. 7<GAMMAW >= 10.000 (BOTH WALLS)
ITEM NO. 8<U-COHE >= 10.000 (BOTH WALLS)
ITEM NO. 9<U-FRICT >= 25.000 (BOTH WALLS)
ITEM NO. 10<U-KA >= 0.48800 WALL NO. 1
ITEM NO. 11<U-KP >= 4.4170 WALL NO. 1
ITEM NO. 12<K0-NC >= 0.50000 (BOTH WALLS)
ITEM NO. 13<NEXP >= 0.50000 (BOTH WALLS)
ITEM NO. 14<OCR >= 1.0000 (BOTH WALLS)
ITEM NO. 16<MODEL >= 1.0000 (BOTH WALLS)
ITEM NO. 17<EVC >= 30000. (BOTH WALLS)
ITEM NO. 18<EUR >= 90000. (BOTH WALLS)
ITEM NO. 27<U-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 58<U-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 60<U-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 61<U-TZALPH>= 0.50000 (BOTH WALLS)
ITEM NO. 82<D-NATURE>= 1.0000 (BOTH WALLS)
ITEM NO. 83<D-LEVEL >= 0.0000 (BOTH WALLS)
ITEM NO. 88<D-COHE >= 10.000 (BOTH WALLS)
ITEM NO. 89<D-FRICT >= 25.000 (BOTH WALLS)
ITEM NO. 90<D-KA >= 0.30000 WALL NO. 1
ITEM NO. 91<D-KP >= 1.7220 WALL NO. 1
ITEM NO. 107<D-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138<D-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 140<D-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 141<D-TZALPH>= 0.50000 (BOTH WALLS)

NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 3 FOR STEP NO. 1

ITEM NO. 1<NAME >= 20.000 (BOTH WALLS)
ITEM NO. 2<NATURE >= 1.0000 (BOTH WALLS)
ITEM NO. 3<LEVEL >= -13.900 (BOTH WALLS)
ITEM NO. 4<WALL >= 1.0000 (BOTH WALLS)
ITEM NO. 5<GAMMAD >= 20.000 (BOTH WALLS)
ITEM NO. 6<GAMMAB >= 10.000 (BOTH WALLS)
ITEM NO. 7<GAMMAW >= 10.000 (BOTH WALLS)
ITEM NO. 8<U-COHE >= 10.000 (BOTH WALLS)
ITEM NO. 9<U-FRICT >= 26.000 (BOTH WALLS)
ITEM NO. 10<U-KA >= 0.46300 WALL NO. 1
ITEM NO. 11<U-KP >= 4.6430 WALL NO. 1

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ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.28800     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.8160     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    2

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  18.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.50900     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  2.8550     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  18.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.43600     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.6260     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    2

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -4.5000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  25.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.49300     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.4530     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  25.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.31200     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.9170     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    3 FOR STEP NO.    2
```

ITEM NO. 1<NAME >= 20.000 (BOTH WALLS)
ITEM NO. 2<NATURE >= 1.0000 (BOTH WALLS)
ITEM NO. 3<LEVEL >= -13.900 (BOTH WALLS)
ITEM NO. 4<WALL >= 1.0000 (BOTH WALLS)
ITEM NO. 5<GAMMAD >= 20.000 (BOTH WALLS)
ITEM NO. 6<GAMMAB >= 10.000 (BOTH WALLS)
ITEM NO. 7<GAMMAW >= 10.000 (BOTH WALLS)
ITEM NO. 8<U-COHE >= 10.000 (BOTH WALLS)
ITEM NO. 9<U-FRICT >= 26.000 (BOTH WALLS)
ITEM NO. 10<U-KA >= 0.47100 WALL NO. 1
ITEM NO. 11<U-KP >= 4.6830 WALL NO. 1
ITEM NO. 12<K0-NC >= 0.50000 (BOTH WALLS)
ITEM NO. 13<NEXP >= 0.50000 (BOTH WALLS)
ITEM NO. 14<OCR >= 1.0000 (BOTH WALLS)
ITEM NO. 16<MODEL >= 1.0000 (BOTH WALLS)
ITEM NO. 17<EVC >= 0.20000E+06 (BOTH WALLS)
ITEM NO. 18<EUR >= 0.60000E+06 (BOTH WALLS)
ITEM NO. 27<U-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 58<U-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 60<U-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 61<U-TZALPH>= 0.50000 (BOTH WALLS)
ITEM NO. 82<D-NATURE>= 1.0000 (BOTH WALLS)
ITEM NO. 83<D-LEVEL >= 0.0000 (BOTH WALLS)
ITEM NO. 88<D-COHE >= 10.000 (BOTH WALLS)
ITEM NO. 89<D-FRICT >= 26.000 (BOTH WALLS)
ITEM NO. 90<D-KA >= 0.29800 WALL NO. 1
ITEM NO. 91<D-KP >= 1.9860 WALL NO. 1
ITEM NO. 107<D-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138<D-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 140<D-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 141<D-TZALPH>= 0.50000 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO. 3

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 1 FOR STEP NO. 3

ITEM NO. 1<NAME >= 18.000 (BOTH WALLS)
ITEM NO. 2<NATURE >= 1.0000 (BOTH WALLS)
ITEM NO. 3<LEVEL >= 0.0000 (BOTH WALLS)
ITEM NO. 4<WALL >= 1.0000 (BOTH WALLS)
ITEM NO. 5<GAMMAD >= 19.000 (BOTH WALLS)
ITEM NO. 6<GAMMAB >= 9.0000 (BOTH WALLS)
ITEM NO. 7<GAMMAW >= 10.000 (BOTH WALLS)
ITEM NO. 9<U-FRICT >= 18.000 (BOTH WALLS)
ITEM NO. 10<U-KA >= 0.50900 WALL NO. 1
ITEM NO. 11<U-KP >= 2.8550 WALL NO. 1
ITEM NO. 12<K0-NC >= 0.50000 (BOTH WALLS)
ITEM NO. 13<NEXP >= 0.50000 (BOTH WALLS)
ITEM NO. 14<OCR >= 1.0000 (BOTH WALLS)
ITEM NO. 16<MODEL >= 1.0000 (BOTH WALLS)
ITEM NO. 17<EVC >= 30000. (BOTH WALLS)
ITEM NO. 18<EUR >= 90000. (BOTH WALLS)
ITEM NO. 27<U-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 58<U-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 60<U-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 61<U-TZALPH>= 0.50000 (BOTH WALLS)
ITEM NO. 82<D-NATURE>= 1.0000 (BOTH WALLS)
ITEM NO. 83<D-LEVEL >= 0.0000 (BOTH WALLS)
ITEM NO. 89<D-FRICT >= 18.000 (BOTH WALLS)
ITEM NO. 90<D-KA >= 0.43600 WALL NO. 1
ITEM NO. 91<D-KP >= 1.6260 WALL NO. 1
ITEM NO. 107<D-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138<D-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 140<D-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 141<D-TZALPH>= 0.50000 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 2 FOR STEP NO. 3

ITEM NO. 1<NAME >= 19.000 (BOTH WALLS)
ITEM NO. 2<NATURE >= 1.0000 (BOTH WALLS)
ITEM NO. 3<LEVEL >= -4.5000 (BOTH WALLS)
ITEM NO. 4<WALL >= 1.0000 (BOTH WALLS)
ITEM NO. 5<GAMMAD >= 19.000 (BOTH WALLS)
ITEM NO. 6<GAMMAB >= 9.0000 (BOTH WALLS)
ITEM NO. 7<GAMMAW >= 10.000 (BOTH WALLS)
ITEM NO. 8<U-COHE >= 10.000 (BOTH WALLS)
ITEM NO. 9<U-FRICT >= 25.000 (BOTH WALLS)
ITEM NO. 10<U-KA >= 0.49300 WALL NO. 1
ITEM NO. 11<U-KP >= 4.4530 WALL NO. 1
ITEM NO. 12<K0-NC >= 0.50000 (BOTH WALLS)
ITEM NO. 13<NEXP >= 0.50000 (BOTH WALLS)
ITEM NO. 14<OCR >= 1.0000 (BOTH WALLS)
ITEM NO. 16<MODEL >= 1.0000 (BOTH WALLS)
ITEM NO. 17<EVC >= 30000. (BOTH WALLS)
ITEM NO. 18<EUR >= 90000. (BOTH WALLS)
ITEM NO. 27<U-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 58<U-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 60<U-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 61<U-TZALPH>= 0.50000 (BOTH WALLS)
ITEM NO. 82<D-NATURE>= 1.0000 (BOTH WALLS)
ITEM NO. 83<D-LEVEL >= 0.0000 (BOTH WALLS)

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ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  25.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.31200     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.9170     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    3 FOR STEP NO.    3

ITEM NO.   1&lt;NAME    &gt;=  20.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -13.900     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.47100     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.6830     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.29800     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.9860     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    4

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  18.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.50900     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  2.8550     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  18.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.47700     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.2420     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    4

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -4.5000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  25.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.49300     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.4530     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
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ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  25.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.35500     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.6600     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    3 FOR STEP NO.    4

ITEM NO.   1&lt;NAME    &gt;=  20.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -13.900     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.47100     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.6830     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.33700     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.6680     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    5

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  18.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.50900     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  2.8550     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  18.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.47700     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.2420     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    5

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
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ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -4.5000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  25.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.49300     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.4530     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  25.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.35900     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  3.1120     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    3 FOR STEP NO.    5

ITEM NO.   1&lt;NAME    &gt;=  20.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -13.900     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.47100     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.6830     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.34400     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  3.1460     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    6


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    6

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  18.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.50900     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  2.8550     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
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ITEM NO.  89&lt;D-FRICT &gt;=  18.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.47700     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.2420     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    6

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -4.5000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  25.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.49300     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.4530     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  25.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.35900     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  3.2910     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    3 FOR STEP NO.    6

ITEM NO.   1&lt;NAME    &gt;=  20.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -13.900     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.47100     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.6830     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.34400     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  3.4910     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    7

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    7

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  18.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.50900     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  2.8550     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
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ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  18.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.47700     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.2420     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    7

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -4.5000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  25.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.49300     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.4530     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  25.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.35900     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  3.2910     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    3 FOR STEP NO.    7

ITEM NO.   1&lt;NAME    &gt;=  20.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -13.900     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.47100     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.6830     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.34400     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  3.4910     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON    21 VALUES
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+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:44                                                 |
+-----------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1 no. of subincrements     1
                                       LEFT WALL    RIGHT WALL
Y                                       0.000       -0.9990E+30
Z-PC                                    0.000         0.000
Z-EXCAVATION                            0.000         0.000
Z-WATER_TABLE                          -4.340       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL               0.000         0.000
ZQ                                      0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.3128         0.000
QS_ON_THE_EXCAVATION_SIDE               0.000         0.000
ZQS                                     0.000       -0.9990E+30
ZCUT                                    0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES       -16.52        -16.52
WATER_BEHAVIOUR_FLAG (LINING OPT)       0.000         0.000
PORE_UPDATE_FLAG                        0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)        0.000         0.000
lateral thrusts reduction elevatio      0.000         0.000
Downhill reduction factor for effe      0.000         0.000
Downhill reduction factor for pore      0.000         0.000
Uphill reduction factor for effect      0.000         0.000
Uphill reduction factor for pore p      0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]        0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]       0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]       0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]         0.000         0.000
UPHILL DELTA/PHI RATIO                  0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
DOWNHILL DELTA/PHI RATIO                0.000         0.000
DYN.WATER BEHAVIOUR                     0.000         0.000
Excess pore pressure RATIO Ru           0.000         0.000
SEISMIC PRESSURE LOWER VALUE            0.000         0.000
SEISMIC PRESSURE UPPER VALUE            0.000         0.000
SEISMIC PRESSURE LOWER LEVEL            0.000         0.000
SEISMIC PRESSURE UPPER LEVEL            0.000         0.000

=============================================================================================================end of step    1


STEP  NO.     2 no. of subincrements     1
                                       LEFT WALL    RIGHT WALL
Y                                       0.000       -0.9990E+30
Z-PC                                   -0.3200         0.000
Z-EXCAVATION                           -0.3200         0.000
Z-WATER_TABLE                           -4.340       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL               0.000         0.000
ZQ                                      0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.3128         0.000
QS_ON_THE_EXCAVATION_SIDE               0.000         0.000
ZQS                                     0.000       -0.9990E+30
ZCUT                                    0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES       -16.52        -16.52
WATER_BEHAVIOUR_FLAG (LINING OPT)       0.000         0.000
PORE_UPDATE_FLAG                        0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)        0.000         0.000
lateral thrusts reduction elevatio      0.000         0.000
Downhill reduction factor for effe      0.000         0.000
Downhill reduction factor for pore      0.000         0.000
Uphill reduction factor for effect      0.000         0.000
Uphill reduction factor for pore p      0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]        0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]       0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]       0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]         0.000         0.000
UPHILL DELTA/PHI RATIO                  0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
DOWNHILL DELTA/PHI RATIO                0.000         0.000
DYN.WATER BEHAVIOUR                     0.000         0.000
Excess pore pressure RATIO Ru           0.000         0.000
SEISMIC PRESSURE LOWER VALUE            0.000         0.000
SEISMIC PRESSURE UPPER VALUE            0.000         0.000
SEISMIC PRESSURE LOWER LEVEL            0.000         0.000
SEISMIC PRESSURE UPPER LEVEL            0.000         0.000

=============================================================================================================end of step    2


STEP  NO.     3 no. of subincrements     1
                                       LEFT WALL    RIGHT WALL
Y                                       0.000       -0.9990E+30
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Z-PC                                -0.3200         0.000
Z-EXCAVATION                        -0.3200         0.000
Z-WATER_TABLE                        -4.340       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL             0.000         0.000
ZQ                                    0.000         0.000
DZW_OF_THE_WATER_TABLE               0.3128         0.000
QS_ON_THE_EXCAVATION_SIDE             0.000         0.000
ZQS                                   0.000       -0.9990E+30
ZCUT                                  0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -16.52        -16.52
WATER_BEHAVIOUR_FLAG (LINING OPT)     0.000         0.000
PORE_UPDATE_FLAG                      0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)      0.000         0.000
lateral thrusts reduction elevatio    0.000         0.000
Downhill reduction factor for effe    0.000         0.000
Downhill reduction factor for pore    0.000         0.000
Uphill reduction factor for effect    0.000         0.000
Uphill reduction factor for pore p    0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]      0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]     0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]     0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
UPHILL DELTA/PHI RATIO                0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]     0.000         0.000
DOWNHILL DELTA/PHI RATIO              0.000         0.000
DYN.WATER BEHAVIOUR                   0.000         0.000
Excess pore pressure RATIO Ru         0.000         0.000
SEISMIC PRESSURE LOWER VALUE          0.000         0.000
SEISMIC PRESSURE UPPER VALUE          0.000         0.000
SEISMIC PRESSURE LOWER LEVEL          0.000         0.000
SEISMIC PRESSURE UPPER LEVEL          0.000         0.000

=============================================================================================================end of step    3


STEP  NO.     4 no. of subincrements     1
                                     LEFT WALL    RIGHT WALL
Y                                     0.000       -0.9990E+30
Z-PC                                -0.3200         0.000
Z-EXCAVATION                         -1.820         0.000
Z-WATER_TABLE                        -4.340       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL             0.000         0.000
ZQ                                    0.000         0.000
DZW_OF_THE_WATER_TABLE               0.3128         0.000
QS_ON_THE_EXCAVATION_SIDE             0.000         0.000
ZQS                                   0.000       -0.9990E+30
ZCUT                                  0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -16.52        -16.52
WATER_BEHAVIOUR_FLAG (LINING OPT)     0.000         0.000
PORE_UPDATE_FLAG                      0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)      0.000         0.000
lateral thrusts reduction elevatio    0.000         0.000
Downhill reduction factor for effe    0.000         0.000
Downhill reduction factor for pore    0.000         0.000
Uphill reduction factor for effect    0.000         0.000
Uphill reduction factor for pore p    0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]      0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]     0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]     0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
UPHILL DELTA/PHI RATIO                0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]     0.000         0.000
DOWNHILL DELTA/PHI RATIO              0.000         0.000
DYN.WATER BEHAVIOUR                   0.000         0.000
Excess pore pressure RATIO Ru         0.000         0.000
SEISMIC PRESSURE LOWER VALUE          0.000         0.000
SEISMIC PRESSURE UPPER VALUE          0.000         0.000
SEISMIC PRESSURE LOWER LEVEL          0.000         0.000
SEISMIC PRESSURE UPPER LEVEL          0.000         0.000

=============================================================================================================end of step    4


STEP  NO.     5 no. of subincrements     1
                                     LEFT WALL    RIGHT WALL
Y                                     0.000       -0.9990E+30
Z-PC                                -0.3200         0.000
Z-EXCAVATION                         -3.320         0.000
Z-WATER_TABLE                        -4.340       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL             0.000         0.000
ZQ                                    0.000         0.000
DZW_OF_THE_WATER_TABLE               0.3128         0.000
QS_ON_THE_EXCAVATION_SIDE             0.000         0.000
ZQS                                   0.000       -0.9990E+30
ZCUT                                  0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -16.52        -16.52
WATER_BEHAVIOUR_FLAG (LINING OPT)     0.000         0.000
PORE_UPDATE_FLAG                      0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)      0.000         0.000
lateral thrusts reduction elevatio    0.000         0.000
Downhill reduction factor for effe    0.000         0.000
Downhill reduction factor for pore    0.000         0.000
```

Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step   5

STEP NO.   6 no. of subincrements   1

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	-0.3200	0.000
Z-EXCAVATION	-5.160	0.000
Z-WATER_TABLE	-5.240	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.3745	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.52	-16.52
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step   6

STEP NO.   7 no. of subincrements   1

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	-0.3200	0.000
Z-EXCAVATION	-5.160	0.000
Z-WATER_TABLE	-5.240	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.3745	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.52	-16.52
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

```
==========================================================================================================end of step    7


 LEFT-HAND WALL

 LOWER  LEVEL         -16.52000
 UPPER  LEVEL          -0.32000

 RIGHT-HAND WALL

 LOWER  LEVEL         -16.52000
 UPPER  LEVEL          -0.32000



 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        8804

 NO. OF D.P.W  FOR THIS AREA      12539
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO          40

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9374E+05 RIMNOR= 0.000
           RENORM= 1.932     REMNOR= 0.000     RATIO =0.4540E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 43.07     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9374E+05 RDR   = 0.000
           RATIOT=0.4540E-02 RATIOR= 0.000
           MAX UN=0.3070     IEQ=    45 NODE     23 DOF   1  Y-DISPL.F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9374E+05 RIMNOR= 0.000
           RENORM=0.6626E-27 REMNOR= 0.000     RATIO =0.8408E-16 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 43.07     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9374E+05 RDR   = 0.000
           RATIOT=0.8408E-16 RATIOR= 0.000
           MAX UN=0.7105E-14 IEQ=   143 NODE     72 DOF   1  Y-DISPL.F
           MIN UN=-.1421E-13 IEQ=   159 NODE     80 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:44                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    1     ( AT TIME   1.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
   22   1.0683516E-05    0.000000
   23   1.8470258E-05    0.000000
   24   1.8157203E-05    0.000000
   25   1.7844149E-05    0.000000
   26   1.7531094E-05    0.000000
   27   1.7218039E-05    0.000000
   28   1.6904983E-05    0.000000
   29   1.6591928E-05    0.000000
   30   1.6278874E-05    0.000000
   31   1.5965819E-05    0.000000
   32   1.5652764E-05    0.000000
   33   1.5339709E-05    0.000000
   34   1.5026654E-05    0.000000
   35   1.4713598E-05    0.000000
   36   1.4400545E-05    0.000000
   37   1.4087490E-05    0.000000
   38   1.3774434E-05    0.000000
   39   1.3461379E-05    0.000000
   40   1.3148324E-05    0.000000
   41   1.2835269E-05    0.000000
   42   1.2522213E-05    0.000000
   43   1.2209160E-05    0.000000
   44   1.1896105E-05    0.000000
   45   1.1583049E-05    0.000000
   46   1.1269994E-05    0.000000
   47   1.0956939E-05    0.000000
   48   1.0643885E-05    0.000000
   49   1.0330830E-05    0.000000
   50   1.0017767E-05    0.000000
   51   9.7047274E-06    0.000000
   52   9.3916722E-06    0.000000
   53   9.0786170E-06    0.000000
   54   8.7655618E-06    0.000000
   55   8.4525065E-06    0.000000
   56   8.1394513E-06    0.000000
   57   7.8263961E-06    0.000000
   58   7.5133409E-06    0.000000
   59   7.2002857E-06    0.000000
   60   6.8872305E-06    0.000000
   61   6.5741752E-06    0.000000
   62   6.2611200E-06    0.000000
   63   5.9480648E-06    0.000000
   64   5.6350096E-06    0.000000
   65   5.3219544E-06    0.000000
   66   5.0088991E-06    0.000000
   67   4.6958439E-06    0.000000
   68   4.3827887E-06    0.000000
   69   6.0364540E-07    0.000000
   70   5.5721131E-07    0.000000
   71   5.1077723E-07    0.000000
   72   4.6434315E-07    0.000000
   73   4.1790907E-07    0.000000
   74   3.7147498E-07    0.000000
   75   3.2504090E-07    0.000000
   76   2.7860682E-07    0.000000
   77   2.3217274E-07    0.000000
   78   1.8573865E-07    0.000000
   79   1.3930457E-07    0.000000
   80   9.2870487E-08    0.000000
   81   4.6436404E-08    0.000000
```

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                            ParatiePlus                                                                |
|                                  Exe Time :28 January 2022   10:29:44                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      1.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D  0.3040       0.000       6.080       3.040       6.080       3.040           V-C  1.9116E+04 -0.3200       0.000
1.000       1.000       3.040       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.9880       0.000       9.880       4.940       9.880       4.940           V-C  1.9116E+04 -0.5200       0.000
1.000       1.000       4.940       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.368       0.000       13.68       6.840       13.68       6.840           V-C  1.9116E+04 -0.7200       0.000
1.000       1.000       6.840       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.748       0.000       17.48       8.740       17.48       8.740           V-C  1.9116E+04 -0.9200       0.000
1.000       1.000       8.740       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   2.128       0.000       21.28       10.64       21.28       10.64           V-C  1.9116E+04  -1.120       0.000
1.000       1.000       10.64       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   2.508       0.000       25.08       12.54       25.08       12.54           V-C  1.9116E+04  -1.320       0.000
1.000       1.000       12.54       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.888       0.000       28.88       14.44       28.88       14.44           V-C  1.9116E+04  -1.520       0.000
1.000       1.000       14.44       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   3.268       0.000       32.68       16.34       32.68       16.34           V-C  1.9116E+04  -1.720       0.000
1.000       1.000       16.34       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.648       0.000       36.48       18.24       36.48       18.24           V-C  1.9116E+04  -1.920       0.000
1.000       1.000       18.24       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   4.028       0.000       40.28       20.14       40.28       20.14           V-C  1.9116E+04  -2.120       0.000
1.000       1.000       20.14       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   4.408       0.000       44.08       22.04       44.08       22.04           V-C  1.9116E+04  -2.320       0.000
1.000       1.000       22.04       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.788       0.000       47.88       23.94       47.88       23.94           V-C  1.9116E+04  -2.520       0.000
1.000       1.000       23.94       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   5.168       0.000       51.68       25.84       51.68       25.84           V-C  1.9116E+04  -2.720       0.000
1.000       1.000       25.84       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.548       0.000       55.48       27.74       55.48       27.74           V-C  1.9116E+04  -2.920       0.000
1.000       1.000       27.74       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.928       0.000       59.28       29.64       59.28       29.64           V-C  1.9116E+04  -3.120       0.000
1.000       1.000       29.64       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   6.308       0.000       63.08       31.54       63.08       31.54           V-C  1.9116E+04  -3.320       0.000
1.000       1.000       31.54       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.688       0.000       66.88       33.44       66.88       33.44           V-C  1.9116E+04  -3.520       0.000
1.000       1.000       33.44       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   7.068       0.000       70.68       35.34       70.68       35.34           V-C  1.9116E+04  -3.720       0.000
1.000       1.000       35.34       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   7.448       0.000       74.48       37.24       74.48       37.24           V-C  1.9116E+04  -3.920       0.000
1.000       1.000       37.24       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.828       0.000       78.28       39.14       78.28       39.14           V-C  1.9116E+04  -4.120       0.000
1.000       1.000       39.14       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   8.208       0.000       82.08       41.04       82.08       41.04           V-C  1.9116E+04  -4.320       0.000
1.000       1.000       41.04       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   8.626     -1.0684E-05   84.10       41.35       84.10       42.05          UL-RL  6.5404E+04  -4.520       1.776
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1.000       1.000       43.13       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D    9.101     -1.8470E-05   85.93       41.76       85.93       42.97          UL-RL  6.5404E+04  -4.720       3.750
1.000       1.000       45.51       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D    9.683     -1.8157E-05   87.76       42.69       87.76       43.88          UL-RL  6.5404E+04  -4.920       5.724
1.000       1.000       48.41       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D    10.26     -1.7844E-05   89.58       43.62       89.58       44.79          UL-RL  6.5404E+04  -5.120       7.698
1.000       1.000       51.32       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D    10.85     -1.7531E-05   91.41       44.56       91.41       45.70          UL-RL  6.5404E+04  -5.320       9.672
1.000       1.000       54.23       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D    11.43     -1.7218E-05   93.23       45.49       93.23       46.62          UL-RL  6.5404E+04  -5.520       11.65
1.000       1.000       57.14       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D    12.01     -1.6905E-05   95.06       46.42       95.06       47.53          UL-RL  6.5404E+04  -5.720       13.62
1.000       1.000       60.04       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D    12.59     -1.6592E-05   96.89       47.36       96.89       48.44          UL-RL  6.5404E+04  -5.920       15.59
1.000       1.000       62.95       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D    13.17     -1.6279E-05   98.71       48.29       98.71       49.36          UL-RL  6.5404E+04  -6.120       17.57
1.000       1.000       65.86       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D    13.75     -1.5966E-05   100.5       49.23       100.5       50.27          UL-RL  6.5404E+04  -6.320       19.54
1.000       1.000       68.77       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D    14.33     -1.5653E-05   102.4       50.16       102.4       51.18          UL-RL  6.5404E+04  -6.520       21.52
1.000       1.000       71.67       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D    14.92     -1.5340E-05   104.2       51.09       104.2       52.10          UL-RL  6.5404E+04  -6.720       23.49
1.000       1.000       74.58       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D    15.50     -1.5027E-05   106.0       52.03       106.0       53.01          UL-RL  6.5404E+04  -6.920       25.46
1.000       1.000       77.49       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D    16.08     -1.4714E-05   107.8       52.96       107.8       53.92          UL-RL  6.5404E+04  -7.120       27.44
1.000       1.000       80.40       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D    16.66     -1.4401E-05   109.7       53.89       109.7       54.83          UL-RL  6.5404E+04  -7.320       29.41
1.000       1.000       83.30       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D    17.24     -1.4087E-05   111.5       54.83       111.5       55.75          UL-RL  6.5404E+04  -7.520       31.39
1.000       1.000       86.21       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D    17.82     -1.3774E-05   113.3       55.76       113.3       56.66          UL-RL  6.5404E+04  -7.720       33.36
1.000       1.000       89.12       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D    18.41     -1.3461E-05   115.1       56.69       115.1       57.57          UL-RL  6.5404E+04  -7.920       35.33
1.000       1.000       92.03       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D    18.99     -1.3148E-05   117.0       57.63       117.0       58.49          UL-RL  6.5404E+04  -8.120       37.31
1.000       1.000       94.93       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D    19.57     -1.2835E-05   118.8       58.56       118.8       59.40          UL-RL  6.5404E+04  -8.320       39.28
1.000       1.000       97.84       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D    20.15     -1.2522E-05   120.6       59.49       120.6       60.31          UL-RL  6.5404E+04  -8.520       41.26
1.000       1.000       100.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D    20.73     -1.2209E-05   122.5       60.43       122.5       61.23          UL-RL  6.5404E+04  -8.720       43.23
1.000       1.000       103.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D    21.31     -1.1896E-05   124.3       61.36       124.3       62.14          UL-RL  6.5404E+04  -8.920       45.20
1.000       1.000       106.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D    21.89     -1.1583E-05   126.1       62.29       126.1       63.05          UL-RL  6.5404E+04  -9.120       47.18
1.000       1.000       109.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D    22.48     -1.1270E-05   127.9       63.23       127.9       63.96          UL-RL  6.5404E+04  -9.320       49.15
1.000       1.000       112.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D    23.06     -1.0957E-05   129.8       64.16       129.8       64.88          UL-RL  6.5404E+04  -9.520       51.13
1.000       1.000       115.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D    23.64     -1.0644E-05   131.6       65.09       131.6       65.79          UL-RL  6.5404E+04  -9.720       53.10
1.000       1.000       118.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D    24.22     -1.0331E-05   133.4       66.03       133.4       66.70          UL-RL  6.5404E+04  -9.920       55.07
1.000       1.000       121.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D    24.80     -1.0018E-05   135.2       66.96       135.2       67.62          UL-RL  6.5404E+04  -10.12       57.05
1.000       1.000       124.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D    25.38     -9.7047E-06   137.1       67.89       137.1       68.53          UL-RL  6.5404E+04  -10.32       59.02
1.000       1.000       126.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D    25.96     -9.3917E-06   138.9       68.83       138.9       69.44          UL-RL  6.5404E+04  -10.52       61.00
1.000       1.000       129.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   26.55     -9.0786E-06   140.7       69.76       140.7       70.36          UL-RL  6.5404E+04  -10.72       62.97
1.000       1.000       132.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   27.13     -8.7656E-06   142.5       70.70       142.5       71.27          UL-RL  6.5404E+04  -10.92       64.94
1.000       1.000       135.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   27.71     -8.4525E-06   144.4       71.63       144.4       72.18          UL-RL  6.5404E+04  -11.12       66.92
1.000       1.000       138.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   28.29     -8.1395E-06   146.2       72.56       146.2       73.09          UL-RL  6.5404E+04  -11.32       68.89
1.000       1.000       141.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   28.87     -7.8264E-06   148.0       73.50       148.0       74.01          UL-RL  6.5404E+04  -11.52       70.86
1.000       1.000       144.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   29.45     -7.5133E-06   149.8       74.43       149.8       74.92          UL-RL  6.5404E+04  -11.72       72.84
1.000       1.000       147.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   30.04     -7.2003E-06   151.7       75.36       151.7       75.83          UL-RL  6.5404E+04  -11.92       74.81
1.000       1.000       150.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   30.62     -6.8872E-06   153.5       76.30       153.5       76.75          UL-RL  6.5404E+04  -12.12       76.79
1.000       1.000       153.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   31.20     -6.5742E-06   155.3       77.23       155.3       77.66          UL-RL  6.5404E+04  -12.32       78.76
1.000       1.000       156.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   31.78     -6.2611E-06   157.1       78.16       157.1       78.57          UL-RL  6.5404E+04  -12.52       80.73
1.000       1.000       158.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   32.36     -5.9481E-06   159.0       79.10       159.0       79.49          UL-RL  6.5404E+04  -12.72       82.71
1.000       1.000       161.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   32.94     -5.6350E-06   160.8       80.03       160.8       80.40          UL-RL  6.5404E+04  -12.92       84.68
1.000       1.000       164.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   33.52     -5.3220E-06   162.6       80.96       162.6       81.31          UL-RL  6.5404E+04  -13.12       86.66
1.000       1.000       167.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   34.11     -5.0089E-06   164.4       81.90       164.4       82.22          UL-RL  6.5404E+04  -13.32       88.63
1.000       1.000       170.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   34.69     -4.6958E-06   166.3       82.83       166.3       83.14          UL-RL  6.5404E+04  -13.52       90.60
1.000       1.000       173.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   35.27     -4.3828E-06   168.1       83.76       168.1       84.05          UL-RL  6.5404E+04  -13.72       92.58
1.000       1.000       176.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   35.85     -6.0365E-07   169.9       84.71       169.9       84.97          UL-RL  4.4454E+05  -13.92       94.55
1.000       1.000       179.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   36.45     -5.5721E-07   172.0       85.74       172.0       85.99          UL-RL  4.4454E+05  -14.12       96.53
1.000       1.000       182.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   37.05     -5.1078E-07   174.0       86.77       174.0       87.00          UL-RL  4.4454E+05  -14.32       98.50
1.000       1.000       185.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   37.66     -4.6434E-07   176.0       87.81       176.0       88.01          UL-RL  4.4454E+05  -14.52       100.5
1.000       1.000       188.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   38.26     -4.1791E-07   178.1       88.84       178.1       89.03          UL-RL  4.4454E+05  -14.72       102.4
1.000       1.000       191.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   38.86     -3.7147E-07   180.1       89.87       180.1       90.04          UL-RL  4.4454E+05  -14.92       104.4
1.000       1.000       194.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   39.46     -3.2504E-07   182.1       90.91       182.1       91.05          UL-RL  4.4454E+05  -15.12       106.4
1.000       1.000       197.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   40.06     -2.7861E-07   184.1       91.94       184.1       92.06          UL-RL  4.4454E+05  -15.32       108.4
1.000       1.000       200.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   40.66     -2.3217E-07   186.2       92.97       186.2       93.08          UL-RL  4.4454E+05  -15.52       110.3
1.000       1.000       203.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   41.27     -1.8574E-07   188.2       94.01       188.2       94.09          UL-RL  4.4454E+05  -15.72       112.3
1.000       1.000       206.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   41.87     -1.3930E-07   190.2       95.04       190.2       95.10          UL-RL  4.4454E+05  -15.92       114.3
1.000       1.000       209.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   42.47     -9.2870E-08   192.2       96.08       192.2       96.12          UL-RL  4.4454E+05  -16.12       116.3
1.000       1.000       212.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   43.07     -4.6436E-08   194.3       97.11       194.3       97.13          UL-RL  4.4454E+05  -16.32       118.2
1.000       1.000       215.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   21.84       0.000       196.3       98.14       196.3       98.14            V-C  1.4818E+05  -16.52       120.2
1.000       1.000       218.4       0.000       0.000       0.000       0.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:44                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      1.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D  0.3040       0.000       6.080       3.040       6.080       3.040            V-C  2.0182E+04 -0.3200       0.000
1.000       1.000       3.040       0.000       0.000       0.000     a_20886_12_L_0                      0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.9880       0.000       9.880       4.940       9.880       4.940            V-C  2.0182E+04 -0.5200       0.000
1.000       1.000       4.940       0.000       0.000       0.000     a_20886_12_L_0                      0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.368       0.000       13.68       6.840       13.68       6.840            V-C  2.0182E+04 -0.7200       0.000
1.000       1.000       6.840       0.000       0.000       0.000     a_20886_12_L_0                      0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.748       0.000       17.48       8.740       17.48       8.740            V-C  2.0182E+04 -0.9200       0.000
1.000       1.000       8.740       0.000       0.000       0.000     a_20886_12_L_0                      0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   2.128       0.000       21.28       10.64       21.28       10.64            V-C  2.0182E+04  -1.120       0.000
1.000       1.000       10.64       0.000       0.000       0.000     a_20886_12_L_0                      0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   2.508       0.000       25.08       12.54       25.08       12.54            V-C  2.0182E+04  -1.320       0.000
1.000       1.000       12.54       0.000       0.000       0.000     a_20886_12_L_0                      0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.888       0.000       28.88       14.44       28.88       14.44            V-C  2.0182E+04  -1.520       0.000
1.000       1.000       14.44       0.000       0.000       0.000     a_20886_12_L_0                      0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   3.268       0.000       32.68       16.34       32.68       16.34            V-C  2.0182E+04  -1.720       0.000
1.000       1.000       16.34       0.000       0.000       0.000     a_20886_12_L_0                      0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.648       0.000       36.48       18.24       36.48       18.24            V-C  2.0182E+04  -1.920       0.000
1.000       1.000       18.24       0.000       0.000       0.000     a_20886_12_L_0                      0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   4.028       0.000       40.28       20.14       40.28       20.14            V-C  2.0182E+04  -2.120       0.000
1.000       1.000       20.14       0.000       0.000       0.000     a_20886_12_L_0                      0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   4.408       0.000       44.08       22.04       44.08       22.04            V-C  2.0182E+04  -2.320       0.000
1.000       1.000       22.04       0.000       0.000       0.000     a_20886_12_L_0                      0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.788       0.000       47.88       23.94       47.88       23.94            V-C  2.0182E+04  -2.520       0.000
1.000       1.000       23.94       0.000       0.000       0.000     a_20886_12_L_0                      0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   5.168       0.000       51.68       25.84       51.68       25.84            V-C  2.0182E+04  -2.720       0.000
1.000       1.000       25.84       0.000       0.000       0.000     a_20886_12_L_0                      0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.548       0.000       55.48       27.74       55.48       27.74            V-C  2.0182E+04  -2.920       0.000
1.000       1.000       27.74       0.000       0.000       0.000     a_20886_12_L_0                      0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.928       0.000       59.28       29.64       59.28       29.64            V-C  2.0182E+04  -3.120       0.000
1.000       1.000       29.64       0.000       0.000       0.000     a_20886_12_L_0                      0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   6.308       0.000       63.08       31.54       63.08       31.54            V-C  2.0182E+04  -3.320       0.000
1.000       1.000       31.54       0.000       0.000       0.000     a_20886_12_L_0                      0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.688       0.000       66.88       33.44       66.88       33.44            V-C  2.0182E+04  -3.520       0.000
1.000       1.000       33.44       0.000       0.000       0.000     a_20886_12_L_0                      0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   7.068       0.000       70.68       35.34       70.68       35.34            V-C  2.0182E+04  -3.720       0.000
1.000       1.000       35.34       0.000       0.000       0.000     a_20886_12_L_0                      0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   7.448       0.000       74.48       37.24       74.48       37.24            V-C  2.0182E+04  -3.920       0.000
1.000       1.000       37.24       0.000       0.000       0.000     a_20886_12_L_0                      0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.828       0.000       78.28       39.14       78.28       39.14            V-C  2.0182E+04  -4.120       0.000
1.000       1.000       39.14       0.000       0.000       0.000     a_20886_12_L_0                      0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   8.208       0.000       82.08       41.04       82.08       41.04            V-C  2.0182E+04  -4.320       0.000
1.000       1.000       41.04       0.000       0.000       0.000     a_20886_12_L_0                      0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   8.626      1.0684E-05   85.88       43.13       85.88       43.13            V-C  1.7696E+04  -4.520       0.000
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1.000       1.000       43.13       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D    9.101       1.8470E-05  89.00       44.83       89.00       44.83           V-C  1.7696E+04  -4.720       0.6798
1.000       1.000       45.51       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D    9.683       1.8157E-05  90.77       45.71       90.77       45.71           V-C  1.7696E+04  -4.920       2.706
1.000       1.000       48.41       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D    10.26       1.7844E-05  92.55       46.59       92.55       46.59           V-C  1.7696E+04  -5.120       4.732
1.000       1.000       51.32       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D    10.85       1.7531E-05  94.32       47.47       94.32       47.47           V-C  1.7696E+04  -5.320       6.758
1.000       1.000       54.23       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D    11.43       1.7218E-05  96.10       48.35       96.10       48.35           V-C  1.7696E+04  -5.520       8.784
1.000       1.000       57.14       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D    12.01       1.6905E-05  97.87       49.23       97.87       49.23           V-C  1.7696E+04  -5.720       10.81
1.000       1.000       60.04       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D    12.59       1.6592E-05  99.64       50.12       99.64       50.12           V-C  1.7696E+04  -5.920       12.84
1.000       1.000       62.95       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D    13.17       1.6279E-05  101.4       51.00       101.4       51.00           V-C  1.7696E+04  -6.120       14.86
1.000       1.000       65.86       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D    13.75       1.5966E-05  103.2       51.88       103.2       51.88           V-C  1.7696E+04  -6.320       16.89
1.000       1.000       68.77       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D    14.33       1.5653E-05  105.0       52.76       105.0       52.76           V-C  1.7696E+04  -6.520       18.91
1.000       1.000       71.67       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D    14.92       1.5340E-05  106.7       53.64       106.7       53.64           V-C  1.7696E+04  -6.720       20.94
1.000       1.000       74.58       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D    15.50       1.5027E-05  108.5       54.52       108.5       54.52           V-C  1.7696E+04  -6.920       22.97
1.000       1.000       77.49       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D    16.08       1.4714E-05  110.3       55.40       110.3       55.40           V-C  1.7696E+04  -7.120       24.99
1.000       1.000       80.40       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D    16.66       1.4401E-05  112.1       56.29       112.1       56.29           V-C  1.7696E+04  -7.320       27.02
1.000       1.000       83.30       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D    17.24       1.4087E-05  113.8       57.17       113.8       57.17           V-C  1.7696E+04  -7.520       29.04
1.000       1.000       86.21       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D    17.82       1.3774E-05  115.6       58.05       115.6       58.05           V-C  1.7696E+04  -7.720       31.07
1.000       1.000       89.12       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D    18.41       1.3461E-05  117.4       58.93       117.4       58.93           V-C  1.7696E+04  -7.920       33.10
1.000       1.000       92.03       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D    18.99       1.3148E-05  119.2       59.81       119.2       59.81           V-C  1.7696E+04  -8.120       35.12
1.000       1.000       94.93       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D    19.57       1.2835E-05  120.9       60.69       120.9       60.69           V-C  1.7696E+04  -8.320       37.15
1.000       1.000       97.84       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D    20.15       1.2522E-05  122.7       61.57       122.7       61.57           V-C  1.7696E+04  -8.520       39.17
1.000       1.000       100.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D    20.73       1.2209E-05  124.5       62.46       124.5       62.46           V-C  1.7696E+04  -8.720       41.20
1.000       1.000       103.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D    21.31       1.1896E-05  126.3       63.34       126.3       63.34           V-C  1.7696E+04  -8.920       43.23
1.000       1.000       106.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D    21.89       1.1583E-05  128.0       64.22       128.0       64.22           V-C  1.7696E+04  -9.120       45.25
1.000       1.000       109.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D    22.48       1.1270E-05  129.8       65.10       129.8       65.10           V-C  1.7696E+04  -9.320       47.28
1.000       1.000       112.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D    23.06       1.0957E-05  131.6       65.98       131.6       65.98           V-C  1.7696E+04  -9.520       49.30
1.000       1.000       115.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D    23.64       1.0644E-05  133.3       66.86       133.3       66.86           V-C  1.7696E+04  -9.720       51.33
1.000       1.000       118.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D    24.22       1.0331E-05  135.1       67.74       135.1       67.74           V-C  1.7696E+04  -9.920       53.36
1.000       1.000       121.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D    24.80       1.0018E-05  136.9       68.63       136.9       68.63           V-C  1.7696E+04  -10.12       55.38
1.000       1.000       124.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D    25.38       9.7047E-06  138.7       69.51       138.7       69.51           V-C  1.7696E+04  -10.32       57.41
1.000       1.000       126.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D    25.96       9.3917E-06  140.4       70.39       140.4       70.39           V-C  1.7696E+04  -10.52       59.43
1.000       1.000       129.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   26.55      9.0786E-06   142.2       71.27       142.2       71.27            V-C  1.7696E+04  -10.72       61.46
1.000       1.000       132.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   27.13      8.7656E-06   144.0       72.15       144.0       72.15            V-C  1.7696E+04  -10.92       63.49
1.000       1.000       135.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   27.71      8.4525E-06   145.8       73.03       145.8       73.03            V-C  1.7696E+04  -11.12       65.51
1.000       1.000       138.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   28.29      8.1395E-06   147.5       73.91       147.5       73.91            V-C  1.7696E+04  -11.32       67.54
1.000       1.000       141.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   28.87      7.8264E-06   149.3       74.80       149.3       74.80            V-C  1.7696E+04  -11.52       69.56
1.000       1.000       144.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   29.45      7.5133E-06   151.1       75.68       151.1       75.68            V-C  1.7696E+04  -11.72       71.59
1.000       1.000       147.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   30.04      7.2003E-06   152.9       76.56       152.9       76.56            V-C  1.7696E+04  -11.92       73.62
1.000       1.000       150.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   30.62      6.8872E-06   154.6       77.44       154.6       77.44            V-C  1.7696E+04  -12.12       75.64
1.000       1.000       153.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   31.20      6.5742E-06   156.4       78.32       156.4       78.32            V-C  1.7696E+04  -12.32       77.67
1.000       1.000       156.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   31.78      6.2611E-06   158.2       79.20       158.2       79.20            V-C  1.7696E+04  -12.52       79.69
1.000       1.000       158.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   32.36      5.9481E-06   160.0       80.09       160.0       80.09            V-C  1.7696E+04  -12.72       81.72
1.000       1.000       161.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   32.94      5.6350E-06   161.7       80.97       161.7       80.97            V-C  1.7696E+04  -12.92       83.75
1.000       1.000       164.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   33.52      5.3220E-06   163.5       81.85       163.5       81.85            V-C  1.7696E+04  -13.12       85.77
1.000       1.000       167.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   34.11      5.0089E-06   165.3       82.73       165.3       82.73            V-C  1.7696E+04  -13.32       87.80
1.000       1.000       170.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   34.69      4.6958E-06   167.1       83.61       167.1       83.61            V-C  1.7696E+04  -13.52       89.82
1.000       1.000       173.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   35.27      4.3828E-06   168.8       84.49       168.8       84.49            V-C  1.7696E+04  -13.72       91.85
1.000       1.000       176.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   35.85      6.0365E-07   170.6       85.38       170.6       85.38            V-C  1.1572E+05  -13.92       93.88
1.000       1.000       179.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   36.45      5.5721E-07   172.6       86.36       172.6       86.36            V-C  1.1572E+05  -14.12       95.90
1.000       1.000       182.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   37.05      5.1078E-07   174.6       87.34       174.6       87.34            V-C  1.1572E+05  -14.32       97.93
1.000       1.000       185.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   37.66      4.6434E-07   176.5       88.33       176.5       88.33            V-C  1.1572E+05  -14.52       99.95
1.000       1.000       188.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   38.26      4.1791E-07   178.5       89.31       178.5       89.31            V-C  1.1572E+05  -14.72       102.0
1.000       1.000       191.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   38.86      3.7147E-07   180.5       90.29       180.5       90.29            V-C  1.1572E+05  -14.92       104.0
1.000       1.000       194.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   39.46      3.2504E-07   182.5       91.27       182.5       91.27            V-C  1.1572E+05  -15.12       106.0
1.000       1.000       197.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   40.06      2.7861E-07   184.4       92.25       184.4       92.25            V-C  1.1572E+05  -15.32       108.1
1.000       1.000       200.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   40.66      2.3217E-07   186.4       93.23       186.4       93.23            V-C  1.1572E+05  -15.52       110.1
1.000       1.000       203.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   41.27      1.8574E-07   188.4       94.22       188.4       94.22            V-C  1.1572E+05  -15.72       112.1
1.000       1.000       206.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   41.87      1.3930E-07   190.4       95.20       190.4       95.20            V-C  1.1572E+05  -15.92       114.1
1.000       1.000       209.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   42.47      9.2870E-08   192.3       96.18       192.3       96.18            V-C  1.1572E+05  -16.12       116.2
1.000       1.000       212.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   43.07      4.6436E-08   194.3       97.16       194.3       97.16            V-C  1.1572E+05  -16.32       118.2
1.000       1.000       215.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   21.84       0.000       196.3       98.14       196.3       98.14            V-C  1.1572E+05  -16.52       120.2
1.000       1.000       218.4       0.000       0.000       0.000       0.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
```

New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   81
C U R R E N T   T I M E   I S   1.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

   EL   TA   TB   MA   MB

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER   0 RNORM = 0.000   RMNORM= 0.000
           RINORM=0.9151E+05 RIMNOR= 0.000
           RENORM=0.3808E-06 REMNOR= 0.000   RATIO =0.2040E-05 TOLER =0.1000E-03   CONVERGED !
           RFMAX = 42.76   RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9151E+05 RDR   = 0.000
           RATIOT=0.2040E-05 RATIOR= 0.000
           MAX UN= 0.000   IEQ=   164 NODE   82 DOF   2   X-ROT. F
           MIN UN=-.1993E-03 IEQ=   45 NODE   23 DOF   1 Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS   0

ITER   1 RNORM = 0.000   RMNORM= 0.000
           RINORM=0.9151E+05 RIMNOR= 0.000
           RENORM=0.1070E-26 REMNOR= 0.000   RATIO =0.1081E-15 TOLER =0.1000E-03   CONVERGED !
           RFMAX = 42.76   RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9151E+05 RDR   = 0.000
           RATIOT=0.1081E-15 RATIOR= 0.000
           MAX UN=0.1421E-13 IEQ=   161 NODE   81 DOF   1 Y-DISPL.F
           MIN UN=-.7105E-14 IEQ=   147 NODE   74 DOF   1 Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS   0

ITER   2 RNORM = 0.000   RMNORM= 0.000
           RINORM=0.9151E+05 RIMNOR= 0.000
           RENORM=0.9466E-27 REMNOR= 0.000   RATIO =0.1017E-15 TOLER =0.1000E-03   CONVERGED !
           RFMAX = 42.76   RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9151E+05 RDR   = 0.000
           RATIOT=0.1017E-15 RATIOR= 0.000
           MAX UN=0.7105E-14 IEQ=   147 NODE   74 DOF   1 Y-DISPL.F
           MIN UN=-.1421E-13 IEQ=   139 NODE   70 DOF   1 Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS   0

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:44                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    2     ( AT TIME   2.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
   22   1.0678356E-05    0.000000
   23   1.8461849E-05    0.000000
   24   1.8149279E-05    0.000000
   25   1.7836677E-05    0.000000
   26   1.7524045E-05    0.000000
   27   1.7211385E-05    0.000000
   28   1.6898701E-05    0.000000
   29   1.6585993E-05    0.000000
   30   1.6273265E-05    0.000000
   31   1.5960517E-05    0.000000
   32   1.5647750E-05    0.000000
   33   1.5334967E-05    0.000000
   34   1.5022167E-05    0.000000
   35   1.4709354E-05    0.000000
   36   1.4396528E-05    0.000000
   37   1.4083688E-05    0.000000
   38   1.3770837E-05    0.000000
   39   1.3457974E-05    0.000000
   40   1.3145101E-05    0.000000
   41   1.2832219E-05    0.000000
   42   1.2519328E-05    0.000000
   43   1.2206430E-05    0.000000
   44   1.1893523E-05    0.000000
   45   1.1580608E-05    0.000000
   46   1.1267686E-05    0.000000
   47   1.0954758E-05    0.000000
   48   1.0641825E-05    0.000000
   49   1.0328885E-05    0.000000
   50   1.0015932E-05    0.000000
   51   9.7029966E-06    0.000000
   52   9.3900411E-06    0.000000
   53   9.0770810E-06    0.000000
   54   8.7641166E-06    0.000000
   55   8.4511481E-06    0.000000
   56   8.1381758E-06    0.000000
   57   7.8251997E-06    0.000000
   58   7.5122203E-06    0.000000
   59   7.1992375E-06    0.000000
   60   6.8862516E-06    0.000000
   61   6.5732628E-06    0.000000
   62   6.2602711E-06    0.000000
   63   5.9472768E-06    0.000000
   64   5.6342800E-06    0.000000
   65   5.3212807E-06    0.000000
   66   5.0082791E-06    0.000000
   67   4.6952754E-06    0.000000
   68   4.3822696E-06    0.000000
   69   6.0357481E-07    0.000000
   70   5.5714769E-07    0.000000
   71   5.1072026E-07    0.000000
   72   4.6429255E-07    0.000000
   73   4.1786456E-07    0.000000
   74   3.7143631E-07    0.000000
   75   3.2500781E-07    0.000000
   76   2.7857908E-07    0.000000
   77   2.3215012E-07    0.000000
   78   1.8572095E-07    0.000000
   79   1.3929157E-07    0.000000
   80   9.2862006E-08    0.000000
   81   4.6432252E-08    0.000000
```

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                  Exe Time :28 January 2022   10:29:44                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                          :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      2.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000       0.000       0.000       0.000       6.080       3.040          UL-RL  5.7349E+04 -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.6127       0.000       3.800       3.064       9.880       4.940          UL-RL  5.7349E+04 -0.5200       0.000
1.000       1.000       3.064       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.020       0.000       7.600       5.098       13.68       6.840          UL-RL  5.7349E+04 -0.7200       0.000
1.000       1.000       5.098       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.412       0.000       11.40       7.058       17.48       8.740          UL-RL  5.7349E+04 -0.9200       0.000
1.000       1.000       7.058       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.798       0.000       15.20       8.992       21.28       10.64          UL-RL  5.7349E+04  -1.120       0.000
1.000       1.000       8.992       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   2.183       0.000       19.00       10.91       25.08       12.54          UL-RL  5.7349E+04  -1.320       0.000
1.000       1.000       10.91       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.566       0.000       22.80       12.83       28.88       14.44          UL-RL  5.7349E+04  -1.520       0.000
1.000       1.000       12.83       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   2.948       0.000       26.60       14.74       32.68       16.34          UL-RL  5.7349E+04  -1.720       0.000
1.000       1.000       14.74       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.330       0.000       30.40       16.65       36.48       18.24          UL-RL  5.7349E+04  -1.920       0.000
1.000       1.000       16.65       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   3.712       0.000       34.20       18.56       40.28       20.14          UL-RL  5.7349E+04  -2.120       0.000
1.000       1.000       18.56       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   4.093       0.000       38.00       20.46       44.08       22.04          UL-RL  5.7349E+04  -2.320       0.000
1.000       1.000       20.46       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.474       0.000       41.80       22.37       47.88       23.94          UL-RL  5.7349E+04  -2.520       0.000
1.000       1.000       22.37       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   4.854       0.000       45.60       24.27       51.68       25.84          UL-RL  5.7349E+04  -2.720       0.000
1.000       1.000       24.27       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.235       0.000       49.40       26.18       55.48       27.74          UL-RL  5.7349E+04  -2.920       0.000
1.000       1.000       26.18       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.616       0.000       53.20       28.08       59.28       29.64          UL-RL  5.7349E+04  -3.120       0.000
1.000       1.000       28.08       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   5.996       0.000       57.00       29.98       63.08       31.54          UL-RL  5.7349E+04  -3.320       0.000
1.000       1.000       29.98       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.377       0.000       60.80       31.88       66.88       33.44          UL-RL  5.7349E+04  -3.520       0.000
1.000       1.000       31.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   6.757       0.000       64.60       33.79       70.68       35.34          UL-RL  5.7349E+04  -3.720       0.000
1.000       1.000       33.79       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   7.138       0.000       68.40       35.69       74.48       37.24          UL-RL  5.7349E+04  -3.920       0.000
1.000       1.000       35.69       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.518       0.000       72.20       37.59       78.28       39.14          UL-RL  5.7349E+04  -4.120       0.000
1.000       1.000       37.59       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   7.898       0.000       76.00       39.49       82.08       41.04          UL-RL  5.7349E+04  -4.320       0.000
1.000       1.000       39.49       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   8.316     -1.0678E-05   78.02       39.81       84.10       42.05          UL-RL  6.5404E+04  -4.520       1.776
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1.000       1.000       41.58       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   8.792     -1.8462E-05   79.85       40.21       85.93       42.97          UL-RL  6.5404E+04  -4.720       3.750
1.000       1.000       43.96       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   9.373     -1.8149E-05   81.68       41.14       87.76       43.88          UL-RL  6.5404E+04  -4.920       5.724
1.000       1.000       46.87       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   9.955     -1.7837E-05   83.50       42.08       89.58       44.79          UL-RL  6.5404E+04  -5.120       7.698
1.000       1.000       49.78       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   10.54     -1.7524E-05   85.33       43.01       91.41       45.70          UL-RL  6.5404E+04  -5.320       9.672
1.000       1.000       52.68       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   11.12     -1.7211E-05   87.15       43.95       93.23       46.62          UL-RL  6.5404E+04  -5.520       11.65
1.000       1.000       55.59       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   11.70     -1.6899E-05   88.98       44.88       95.06       47.53          UL-RL  6.5404E+04  -5.720       13.62
1.000       1.000       58.50       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   12.28     -1.6586E-05   90.81       45.81       96.89       48.44          UL-RL  6.5404E+04  -5.920       15.59
1.000       1.000       61.41       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   12.86     -1.6273E-05   92.63       46.75       98.71       49.36          UL-RL  6.5404E+04  -6.120       17.57
1.000       1.000       64.32       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   13.44     -1.5961E-05   94.46       47.68       100.5       50.27          UL-RL  6.5404E+04  -6.320       19.54
1.000       1.000       67.22       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   14.03     -1.5648E-05   96.28       48.62       102.4       51.18          UL-RL  6.5404E+04  -6.520       21.52
1.000       1.000       70.13       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   14.61     -1.5335E-05   98.11       49.55       104.2       52.10          UL-RL  6.5404E+04  -6.720       23.49
1.000       1.000       73.04       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   15.19     -1.5022E-05   99.94       50.48       106.0       53.01          UL-RL  6.5404E+04  -6.920       25.46
1.000       1.000       75.95       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   15.77     -1.4709E-05   101.8       51.42       107.8       53.92          UL-RL  6.5404E+04  -7.120       27.44
1.000       1.000       78.85       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   16.35     -1.4397E-05   103.6       52.35       109.7       54.83          UL-RL  6.5404E+04  -7.320       29.41
1.000       1.000       81.76       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   16.93     -1.4084E-05   105.4       53.28       111.5       55.75          UL-RL  6.5404E+04  -7.520       31.39
1.000       1.000       84.67       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   17.52     -1.3771E-05   107.2       54.22       113.3       56.66          UL-RL  6.5404E+04  -7.720       33.36
1.000       1.000       87.58       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   18.10     -1.3458E-05   109.1       55.15       115.1       57.57          UL-RL  6.5404E+04  -7.920       35.33
1.000       1.000       90.49       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   18.68     -1.3145E-05   110.9       56.09       117.0       58.49          UL-RL  6.5404E+04  -8.120       37.31
1.000       1.000       93.39       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   19.26     -1.2832E-05   112.7       57.02       118.8       59.40          UL-RL  6.5404E+04  -8.320       39.28
1.000       1.000       96.30       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   19.84     -1.2519E-05   114.5       57.95       120.6       60.31          UL-RL  6.5404E+04  -8.520       41.26
1.000       1.000       99.21       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   20.42     -1.2206E-05   116.4       58.89       122.5       61.23          UL-RL  6.5404E+04  -8.720       43.23
1.000       1.000       102.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   21.00     -1.1894E-05   118.2       59.82       124.3       62.14          UL-RL  6.5404E+04  -8.920       45.20
1.000       1.000       105.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   21.59     -1.1581E-05   120.0       60.76       126.1       63.05          UL-RL  6.5404E+04  -9.120       47.18
1.000       1.000       107.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   22.17     -1.1268E-05   121.8       61.69       127.9       63.96          UL-RL  6.5404E+04  -9.320       49.15
1.000       1.000       110.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   22.75     -1.0955E-05   123.7       62.62       129.8       64.88          UL-RL  6.5404E+04  -9.520       51.13
1.000       1.000       113.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   23.33     -1.0642E-05   125.5       63.56       131.6       65.79          UL-RL  6.5404E+04  -9.720       53.10
1.000       1.000       116.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   23.91     -1.0329E-05   127.3       64.49       133.4       66.70          UL-RL  6.5404E+04  -9.920       55.07
1.000       1.000       119.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   24.49     -1.0016E-05   129.2       65.42       135.2       67.62          UL-RL  6.5404E+04  -10.12       57.05
1.000       1.000       122.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   25.08     -9.7030E-06   131.0       66.36       137.1       68.53          UL-RL  6.5404E+04  -10.32       59.02
1.000       1.000       125.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   25.66     -9.3900E-06   132.8       67.29       138.9       69.44          UL-RL  6.5404E+04  -10.52       61.00
1.000       1.000       128.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   26.24     -9.0771E-06   134.6       68.22       140.7       70.36          UL-RL  6.5404E+04  -10.72       62.97
1.000       1.000       131.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   26.82     -8.7641E-06   136.5       69.16       142.5       71.27          UL-RL  6.5404E+04  -10.92       64.94
1.000       1.000       134.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   27.40     -8.4511E-06   138.3       70.09       144.4       72.18          UL-RL  6.5404E+04  -11.12       66.92
1.000       1.000       137.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   27.98     -8.1382E-06   140.1       71.03       146.2       73.09          UL-RL  6.5404E+04  -11.32       68.89
1.000       1.000       139.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   28.56     -7.8252E-06   141.9       71.96       148.0       74.01          UL-RL  6.5404E+04  -11.52       70.86
1.000       1.000       142.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   29.15     -7.5122E-06   143.8       72.89       149.8       74.92          UL-RL  6.5404E+04  -11.72       72.84
1.000       1.000       145.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   29.73     -7.1992E-06   145.6       73.83       151.7       75.83          UL-RL  6.5404E+04  -11.92       74.81
1.000       1.000       148.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   30.31     -6.8863E-06   147.4       74.76       153.5       76.75          UL-RL  6.5404E+04  -12.12       76.79
1.000       1.000       151.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   30.89     -6.5733E-06   149.2       75.69       155.3       77.66          UL-RL  6.5404E+04  -12.32       78.76
1.000       1.000       154.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   31.47     -6.2603E-06   151.1       76.63       157.1       78.57          UL-RL  6.5404E+04  -12.52       80.73
1.000       1.000       157.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   32.05     -5.9473E-06   152.9       77.56       159.0       79.49          UL-RL  6.5404E+04  -12.72       82.71
1.000       1.000       160.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   32.64     -5.6343E-06   154.7       78.50       160.8       80.40          UL-RL  6.5404E+04  -12.92       84.68
1.000       1.000       163.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   33.22     -5.3213E-06   156.5       79.43       162.6       81.31          UL-RL  6.5404E+04  -13.12       86.66
1.000       1.000       166.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   33.80     -5.0083E-06   158.4       80.36       164.4       82.22          UL-RL  6.5404E+04  -13.32       88.63
1.000       1.000       169.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   34.38     -4.6953E-06   160.2       81.30       166.3       83.14          UL-RL  6.5404E+04  -13.52       90.60
1.000       1.000       171.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   34.96     -4.3823E-06   162.0       82.23       168.1       84.05          UL-RL  6.5404E+04  -13.72       92.58
1.000       1.000       174.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   35.54     -6.0357E-07   163.9       83.17       169.9       84.97          UL-RL  4.4454E+05  -13.92       94.55
1.000       1.000       177.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   36.15     -5.5715E-07   165.9       84.21       172.0       85.99          UL-RL  4.4454E+05  -14.12       96.53
1.000       1.000       180.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   36.75     -5.1072E-07   167.9       85.24       174.0       87.00          UL-RL  4.4454E+05  -14.32       98.50
1.000       1.000       183.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   37.35     -4.6429E-07   169.9       86.27       176.0       88.01          UL-RL  4.4454E+05  -14.52       100.5
1.000       1.000       186.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   37.95     -4.1786E-07   172.0       87.31       178.1       89.03          UL-RL  4.4454E+05  -14.72       102.4
1.000       1.000       189.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   38.55     -3.7144E-07   174.0       88.34       180.1       90.04          UL-RL  4.4454E+05  -14.92       104.4
1.000       1.000       192.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   39.15     -3.2501E-07   176.0       89.37       182.1       91.05          UL-RL  4.4454E+05  -15.12       106.4
1.000       1.000       195.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   39.76     -2.7858E-07   178.0       90.41       184.1       92.06          UL-RL  4.4454E+05  -15.32       108.4
1.000       1.000       198.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   40.36     -2.3215E-07   180.1       91.44       186.2       93.08          UL-RL  4.4454E+05  -15.52       110.3
1.000       1.000       201.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   40.96     -1.8572E-07   182.1       92.48       188.2       94.09          UL-RL  4.4454E+05  -15.72       112.3
1.000       1.000       204.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   41.56     -1.3929E-07   184.1       93.51       190.2       95.10          UL-RL  4.4454E+05  -15.92       114.3
1.000       1.000       207.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   42.16     -9.2862E-08   186.2       94.54       192.2       96.12          UL-RL  4.4454E+05  -16.12       116.3
1.000       1.000       210.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   42.76     -4.6432E-08   188.2       95.58       194.3       97.13          UL-RL  4.4454E+05  -16.32       118.2
1.000       1.000       213.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   21.68       0.000       190.2       96.61       196.3       98.14          UL-RL  4.4454E+05  -16.52       120.2
1.000       1.000       216.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                            ParatiePlus                                                                |
|                                  Exe Time :28 January 2022   10:29:44                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      2.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000       0.000       0.000       0.000       6.080       3.040          UL-RL  6.0545E+04 -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.6127       0.000       3.800       3.064       9.880       4.940          UL-RL  6.0545E+04 -0.5200       0.000
1.000       1.000       3.064       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.020       0.000       7.600       5.098       13.68       6.840          UL-RL  6.0545E+04 -0.7200       0.000
1.000       1.000       5.098       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.412       0.000       11.40       7.058       17.48       8.740          UL-RL  6.0545E+04 -0.9200       0.000
1.000       1.000       7.058       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.798       0.000       15.20       8.992       21.28       10.64          UL-RL  6.0545E+04  -1.120       0.000
1.000       1.000       8.992       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   2.183       0.000       19.00       10.91       25.08       12.54          UL-RL  6.0545E+04  -1.320       0.000
1.000       1.000       10.91       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.566       0.000       22.80       12.83       28.88       14.44          UL-RL  6.0545E+04  -1.520       0.000
1.000       1.000       12.83       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   2.948       0.000       26.60       14.74       32.68       16.34          UL-RL  6.0545E+04  -1.720       0.000
1.000       1.000       14.74       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.330       0.000       30.40       16.65       36.48       18.24          UL-RL  6.0545E+04  -1.920       0.000
1.000       1.000       16.65       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   3.712       0.000       34.20       18.56       40.28       20.14          UL-RL  6.0545E+04  -2.120       0.000
1.000       1.000       18.56       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   4.093       0.000       38.00       20.46       44.08       22.04          UL-RL  6.0545E+04  -2.320       0.000
1.000       1.000       20.46       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.474       0.000       41.80       22.37       47.88       23.94          UL-RL  6.0545E+04  -2.520       0.000
1.000       1.000       22.37       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   4.854       0.000       45.60       24.27       51.68       25.84          UL-RL  6.0545E+04  -2.720       0.000
1.000       1.000       24.27       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.235       0.000       49.40       26.18       55.48       27.74          UL-RL  6.0545E+04  -2.920       0.000
1.000       1.000       26.18       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.616       0.000       53.20       28.08       59.28       29.64          UL-RL  6.0545E+04  -3.120       0.000
1.000       1.000       28.08       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   5.996       0.000       57.00       29.98       63.08       31.54          UL-RL  6.0545E+04  -3.320       0.000
1.000       1.000       29.98       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.377       0.000       60.80       31.88       66.88       33.44          UL-RL  6.0545E+04  -3.520       0.000
1.000       1.000       31.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   6.757       0.000       64.60       33.79       70.68       35.34          UL-RL  6.0545E+04  -3.720       0.000
1.000       1.000       33.79       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   7.138       0.000       68.40       35.69       74.48       37.24          UL-RL  6.0545E+04  -3.920       0.000
1.000       1.000       35.69       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.518       0.000       72.20       37.59       78.28       39.14          UL-RL  6.0545E+04  -4.120       0.000
1.000       1.000       37.59       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   7.898       0.000       76.00       39.49       82.08       41.04          UL-RL  6.0545E+04  -4.320       0.000
1.000       1.000       39.49       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   8.316      1.0678E-05   79.80       41.58       85.88       43.13          UL-RL  5.3089E+04  -4.520       0.000
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1.000       1.000       41.58       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D    8.792       1.8462E-05  82.92       43.28       89.00       44.83          UL-RL  5.3089E+04  -4.720       0.6798
1.000       1.000       43.96       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D    9.373       1.8149E-05  84.69       44.16       90.77       45.71          UL-RL  5.3089E+04  -4.920       2.706
1.000       1.000       46.87       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D    9.955       1.7837E-05  86.47       45.04       92.55       46.59          UL-RL  5.3089E+04  -5.120       4.732
1.000       1.000       49.78       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D    10.54       1.7524E-05  88.24       45.93       94.32       47.47          UL-RL  5.3089E+04  -5.320       6.758
1.000       1.000       52.68       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D    11.12       1.7211E-05  90.02       46.81       96.10       48.35          UL-RL  5.3089E+04  -5.520       8.784
1.000       1.000       55.59       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D    11.70       1.6899E-05  91.79       47.69       97.87       49.23          UL-RL  5.3089E+04  -5.720       10.81
1.000       1.000       58.50       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D    12.28       1.6586E-05  93.56       48.57       99.64       50.12          UL-RL  5.3089E+04  -5.920       12.84
1.000       1.000       61.41       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D    12.86       1.6273E-05  95.34       49.45       101.4       51.00          UL-RL  5.3089E+04  -6.120       14.86
1.000       1.000       64.32       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D    13.44       1.5961E-05  97.11       50.34       103.2       51.88          UL-RL  5.3089E+04  -6.320       16.89
1.000       1.000       67.22       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D    14.03       1.5648E-05  98.89       51.22       105.0       52.76          UL-RL  5.3089E+04  -6.520       18.91
1.000       1.000       70.13       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D    14.61       1.5335E-05  100.7       52.10       106.7       53.64          UL-RL  5.3089E+04  -6.720       20.94
1.000       1.000       73.04       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D    15.19       1.5022E-05  102.4       52.98       108.5       54.52          UL-RL  5.3089E+04  -6.920       22.97
1.000       1.000       75.95       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D    15.77       1.4709E-05  104.2       53.86       110.3       55.40          UL-RL  5.3089E+04  -7.120       24.99
1.000       1.000       78.85       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D    16.35       1.4397E-05  106.0       54.74       112.1       56.29          UL-RL  5.3089E+04  -7.320       27.02
1.000       1.000       81.76       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D    16.93       1.4084E-05  107.8       55.63       113.8       57.17          UL-RL  5.3089E+04  -7.520       29.04
1.000       1.000       84.67       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D    17.52       1.3771E-05  109.5       56.51       115.6       58.05          UL-RL  5.3089E+04  -7.720       31.07
1.000       1.000       87.58       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D    18.10       1.3458E-05  111.3       57.39       117.4       58.93          UL-RL  5.3089E+04  -7.920       33.10
1.000       1.000       90.49       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D    18.68       1.3145E-05  113.1       58.27       119.2       59.81          UL-RL  5.3089E+04  -8.120       35.12
1.000       1.000       93.39       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D    19.26       1.2832E-05  114.9       59.15       120.9       60.69          UL-RL  5.3089E+04  -8.320       37.15
1.000       1.000       96.30       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D    19.84       1.2519E-05  116.6       60.04       122.7       61.57          UL-RL  5.3089E+04  -8.520       39.17
1.000       1.000       99.21       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D    20.42       1.2206E-05  118.4       60.92       124.5       62.46          UL-RL  5.3089E+04  -8.720       41.20
1.000       1.000       102.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D    21.00       1.1894E-05  120.2       61.80       126.3       63.34          UL-RL  5.3089E+04  -8.920       43.23
1.000       1.000       105.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D    21.59       1.1581E-05  121.9       62.68       128.0       64.22          UL-RL  5.3089E+04  -9.120       45.25
1.000       1.000       107.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D    22.17       1.1268E-05  123.7       63.56       129.8       65.10          UL-RL  5.3089E+04  -9.320       47.28
1.000       1.000       110.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D    22.75       1.0955E-05  125.5       64.44       131.6       65.98          UL-RL  5.3089E+04  -9.520       49.30
1.000       1.000       113.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D    23.33       1.0642E-05  127.3       65.33       133.3       66.86          UL-RL  5.3089E+04  -9.720       51.33
1.000       1.000       116.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D    23.91       1.0329E-05  129.0       66.21       135.1       67.74          UL-RL  5.3089E+04  -9.920       53.36
1.000       1.000       119.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D    24.49       1.0016E-05  130.8       67.09       136.9       68.63          UL-RL  5.3089E+04  -10.12       55.38
1.000       1.000       122.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D    25.08       9.7030E-06  132.6       67.97       138.7       69.51          UL-RL  5.3089E+04  -10.32       57.41
1.000       1.000       125.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D    25.66       9.3900E-06  134.4       68.85       140.4       70.39          UL-RL  5.3089E+04  -10.52       59.43
1.000       1.000       128.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   26.24      9.0771E-06   136.1       69.73       142.2       71.27          UL-RL  5.3089E+04  -10.72       61.46
1.000       1.000       131.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   26.82      8.7641E-06   137.9       70.62       144.0       72.15          UL-RL  5.3089E+04  -10.92       63.49
1.000       1.000       134.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   27.40      8.4511E-06   139.7       71.50       145.8       73.03          UL-RL  5.3089E+04  -11.12       65.51
1.000       1.000       137.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   27.98      8.1382E-06   141.5       72.38       147.5       73.91          UL-RL  5.3089E+04  -11.32       67.54
1.000       1.000       139.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   28.56      7.8252E-06   143.2       73.26       149.3       74.80          UL-RL  5.3089E+04  -11.52       69.56
1.000       1.000       142.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   29.15      7.5122E-06   145.0       74.14       151.1       75.68          UL-RL  5.3089E+04  -11.72       71.59
1.000       1.000       145.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   29.73      7.1992E-06   146.8       75.02       152.9       76.56          UL-RL  5.3089E+04  -11.92       73.62
1.000       1.000       148.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   30.31      6.8863E-06   148.6       75.91       154.6       77.44          UL-RL  5.3089E+04  -12.12       75.64
1.000       1.000       151.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   30.89      6.5733E-06   150.3       76.79       156.4       78.32          UL-RL  5.3089E+04  -12.32       77.67
1.000       1.000       154.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   31.47      6.2603E-06   152.1       77.67       158.2       79.20          UL-RL  5.3089E+04  -12.52       79.69
1.000       1.000       157.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   32.05      5.9473E-06   153.9       78.55       160.0       80.09          UL-RL  5.3089E+04  -12.72       81.72
1.000       1.000       160.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   32.64      5.6343E-06   155.7       79.43       161.7       80.97          UL-RL  5.3089E+04  -12.92       83.75
1.000       1.000       163.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   33.22      5.3213E-06   157.4       80.31       163.5       81.85          UL-RL  5.3089E+04  -13.12       85.77
1.000       1.000       166.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   33.80      5.0083E-06   159.2       81.20       165.3       82.73          UL-RL  5.3089E+04  -13.32       87.80
1.000       1.000       169.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   34.38      4.6953E-06   161.0       82.08       167.1       83.61          UL-RL  5.3089E+04  -13.52       89.82
1.000       1.000       171.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   34.96      4.3823E-06   162.7       82.96       168.8       84.49          UL-RL  5.3089E+04  -13.72       91.85
1.000       1.000       174.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   35.54      6.0357E-07   164.5       83.85       170.6       85.38          UL-RL  3.4715E+05  -13.92       93.88
1.000       1.000       177.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   36.15      5.5715E-07   166.5       84.83       172.6       86.36          UL-RL  3.4715E+05  -14.12       95.90
1.000       1.000       180.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   36.75      5.1072E-07   168.5       85.81       174.6       87.34          UL-RL  3.4715E+05  -14.32       97.93
1.000       1.000       183.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   37.35      4.6429E-07   170.5       86.79       176.5       88.33          UL-RL  3.4715E+05  -14.52       99.95
1.000       1.000       186.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   37.95      4.1786E-07   172.4       87.77       178.5       89.31          UL-RL  3.4715E+05  -14.72       102.0
1.000       1.000       189.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   38.55      3.7144E-07   174.4       88.76       180.5       90.29          UL-RL  3.4715E+05  -14.92       104.0
1.000       1.000       192.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   39.15      3.2501E-07   176.4       89.74       182.5       91.27          UL-RL  3.4715E+05  -15.12       106.0
1.000       1.000       195.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   39.76      2.7858E-07   178.4       90.72       184.4       92.25          UL-RL  3.4715E+05  -15.32       108.1
1.000       1.000       198.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   40.36      2.3215E-07   180.3       91.70       186.4       93.23          UL-RL  3.4715E+05  -15.52       110.1
1.000       1.000       201.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   40.96      1.8572E-07   182.3       92.68       188.4       94.22          UL-RL  3.4715E+05  -15.72       112.1
1.000       1.000       204.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   41.56      1.3929E-07   184.3       93.67       190.4       95.20          UL-RL  3.4715E+05  -15.92       114.1
1.000       1.000       207.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   42.16      9.2862E-08   186.3       94.65       192.3       96.18          UL-RL  3.4715E+05  -16.12       116.2
1.000       1.000       210.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   42.76      4.6432E-08   188.2       95.63       194.3       97.16          UL-RL  3.4715E+05  -16.32       118.2
1.000       1.000       213.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   21.68       0.000       190.2       96.61       196.3       98.14          UL-RL  3.4715E+05  -16.52       120.2
1.000       1.000       216.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                Exe Time :28 January 2022   10:29:44                                                   |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099                                          :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   81
C U R R E N T   T I M E   I S      2.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9151E+05 RIMNOR= 0.000
           RENORM=0.9466E-27 REMNOR= 0.000     RATIO =0.1017E-15 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 42.76     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9151E+05 RDR   = 0.000
           RATIOT=0.1017E-15 RATIOR= 0.000
           MAX UN=0.7105E-14 IEQ=   147 NODE     74 DOF   1  Y-DISPL.F
           MIN UN=-.1421E-13 IEQ=   139 NODE     70 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9151E+05 RIMNOR= 0.000
           RENORM=0.4857E-20 REMNOR=0.2464E-22 RATIO =0.2304E-12 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 42.76     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9151E+05 RDR   = 0.000
           RATIOT=0.2304E-12 RATIOR= 0.000
           MAX UN=0.2489E-10 IEQ=    53 NODE     27 DOF   1  Y-DISPL.F
           MIN UN=-.2472E-10 IEQ=    63 NODE     32 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9151E+05 RIMNOR= 0.000
           RENORM=0.6144E-20 REMNOR=0.2002E-22 RATIO =0.2591E-12 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 42.76     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9151E+05 RDR   = 0.000
           RATIOT=0.2591E-12 RATIOR= 0.000
           MAX UN=0.2493E-10 IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           MIN UN=-.2480E-10 IEQ=    61 NODE     31 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

New Project
SOLUTION REACHED USING   2 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P   3   (AT TIME   3.000   ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

	Y-DISPL.F 02	X-ROT. F 04
22	1.0678356E-05	-4.3485821E-21
23	1.8461849E-05	-4.5066281E-21
24	1.8149279E-05	-4.6501858E-21
25	1.7836677E-05	-4.7711331E-21
26	1.7524045E-05	-4.8684568E-21
27	1.7211385E-05	-4.9409565E-21
28	1.6898701E-05	-4.9875726E-21
29	1.6585993E-05	-5.0146712E-21
30	1.6273265E-05	-5.0284240E-21
31	1.5960517E-05	-5.0202325E-21
32	1.5647750E-05	-4.9958782E-21
33	1.5334967E-05	-4.9682355E-21
34	1.5022167E-05	-4.9357381E-21
35	1.4709354E-05	-4.8969559E-21
36	1.4396528E-05	-4.8648431E-21
37	1.4083688E-05	-4.8375867E-21
38	1.3770837E-05	-4.7987742E-21
39	1.3457974E-05	-4.7319694E-21
40	1.3145101E-05	-4.6205497E-21
41	1.2832219E-05	-4.4624492E-21
42	1.2519328E-05	-4.2555875E-21
43	1.2206430E-05	-3.9978770E-21
44	1.1893523E-05	-3.7018014E-21
45	1.1580608E-05	-3.3796931E-21
46	1.1267686E-05	-3.0293281E-21
47	1.0954758E-05	-2.6485163E-21
48	1.0641825E-05	-2.2349516E-21
49	1.0328885E-05	-1.7863840E-21
50	1.0015932E-05	-1.3297879E-21
51	9.7029966E-06	-8.9212186E-22
52	9.3900411E-06	-4.7120578E-22
53	9.0770810E-06	-6.5067342E-23
54	8.7641166E-06	3.2830655E-22
55	8.4511481E-06	7.1093161E-22
56	8.1381758E-06	1.0846461E-21
57	7.8251997E-06	1.4510962E-21
58	7.5122203E-06	1.8118855E-21
59	7.1992375E-06	2.1685616E-21
60	6.8862516E-06	2.5225192E-21
61	6.5732628E-06	2.8749863E-21
62	6.2602711E-06	3.2270927E-21
63	5.9472768E-06	3.5943500E-21
64	5.6342800E-06	3.9920619E-21
65	5.3212807E-06	4.4208161E-21
66	5.0082791E-06	4.8518109E-21
67	4.6952754E-06	5.2268385E-21
68	4.3822696E-06	5.5166547E-21
69	6.0357481E-07	5.7209640E-21
70	5.5714769E-07	5.8664446E-21
71	5.1072026E-07	5.9477277E-21
72	4.6429255E-07	5.9286333E-21
73	4.1786456E-07	5.8296409E-21
74	3.7143631E-07	5.6695551E-21
75	3.2500781E-07	5.4946138E-21
76	2.7857908E-07	5.3493071E-21
77	2.3215012E-07	5.2180488E-21
78	1.8572095E-07	5.0835011E-21
79	1.3929157E-07	4.9557093E-21
80	9.2862006E-08	4.8720851E-21
81	4.6432252E-08	4.8391085E-21

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:44                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      3.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -1.1035E-20   0.000       0.000       6.080       3.040          ACTIVE   0.000     -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.6127     -1.0451E-20   3.800       3.064       9.880       4.940          UL-RL  5.7349E+04 -0.5200       0.000
1.000       1.000       3.064       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.020     -9.8656E-21   7.600       5.098       13.68       6.840          UL-RL  5.7349E+04 -0.7200       0.000
1.000       1.000       5.098       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.412     -9.2801E-21   11.40       7.058       17.48       8.740          UL-RL  5.7349E+04 -0.9200       0.000
1.000       1.000       7.058       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.798     -8.6931E-21   15.20       8.992       21.28       10.64          UL-RL  5.7349E+04  -1.120       0.000
1.000       1.000       8.992       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   2.183     -8.1038E-21   19.00       10.91       25.08       12.54          UL-RL  5.7349E+04  -1.320       0.000
1.000       1.000       10.91       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.566     -7.5108E-21   22.80       12.83       28.88       14.44          UL-RL  5.7349E+04  -1.520       0.000
1.000       1.000       12.83       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   2.948     -6.9130E-21   26.60       14.74       32.68       16.34          UL-RL  5.7349E+04  -1.720       0.000
1.000       1.000       14.74       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.330     -6.3088E-21   30.40       16.65       36.48       18.24          UL-RL  5.7349E+04  -1.920       0.000
1.000       1.000       16.65       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   3.712     -5.6967E-21   34.20       18.56       40.28       20.14          UL-RL  5.7349E+04  -2.120       0.000
1.000       1.000       18.56       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   4.093     -5.0750E-21   38.00       20.46       44.08       22.04          UL-RL  5.7349E+04  -2.320       0.000
1.000       1.000       20.46       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.474     -4.4418E-21   41.80       22.37       47.88       23.94          UL-RL  5.7349E+04  -2.520       0.000
1.000       1.000       22.37       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   4.854     -3.7954E-21   45.60       24.27       51.68       25.84          UL-RL  5.7349E+04  -2.720       0.000
1.000       1.000       24.27       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.235     -3.1337E-21   49.40       26.18       55.48       27.74          UL-RL  5.7349E+04  -2.920       0.000
1.000       1.000       26.18       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.616     -2.4549E-21   53.20       28.08       59.28       29.64          UL-RL  5.7349E+04  -3.120       0.000
1.000       1.000       28.08       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   5.996     -1.7569E-21   57.00       29.98       63.08       31.54          UL-RL  5.7349E+04  -3.320       0.000
1.000       1.000       29.98       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.377     -1.0378E-21   60.80       31.88       66.88       33.44          UL-RL  5.7349E+04  -3.520       0.000
1.000       1.000       31.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   6.757     -2.9550E-22   64.60       33.79       70.68       35.34          UL-RL  5.7349E+04  -3.720       0.000
1.000       1.000       33.79       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   7.138      4.7188E-22   68.40       35.69       74.48       37.24          UL-RL  5.7349E+04  -3.920       0.000
1.000       1.000       35.69       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.518      1.2663E-21   72.20       37.59       78.28       39.14          UL-RL  5.7349E+04  -4.120       0.000
1.000       1.000       37.59       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   7.898      2.0895E-21   76.00       39.49       82.08       41.04          UL-RL  5.7349E+04  -4.320       0.000
1.000       1.000       39.49       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   8.316     -1.0678E-05   78.02       39.81       84.10       42.05          UL-RL  6.5404E+04  -4.520       1.776
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1.000       1.000       41.58       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   8.792     -1.8462E-05   79.85       40.21       85.93       42.97          UL-RL  6.5404E+04  -4.720       3.750
1.000       1.000       43.96       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   9.373     -1.8149E-05   81.68       41.14       87.76       43.88          UL-RL  6.5404E+04  -4.920       5.724
1.000       1.000       46.87       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   9.955     -1.7837E-05   83.50       42.08       89.58       44.79          UL-RL  6.5404E+04  -5.120       7.698
1.000       1.000       49.78       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   10.54     -1.7524E-05   85.33       43.01       91.41       45.70          UL-RL  6.5404E+04  -5.320       9.672
1.000       1.000       52.68       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   11.12     -1.7211E-05   87.15       43.95       93.23       46.62          UL-RL  6.5404E+04  -5.520       11.65
1.000       1.000       55.59       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   11.70     -1.6899E-05   88.98       44.88       95.06       47.53          UL-RL  6.5404E+04  -5.720       13.62
1.000       1.000       58.50       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   12.28     -1.6586E-05   90.81       45.81       96.89       48.44          UL-RL  6.5404E+04  -5.920       15.59
1.000       1.000       61.41       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   12.86     -1.6273E-05   92.63       46.75       98.71       49.36          UL-RL  6.5404E+04  -6.120       17.57
1.000       1.000       64.32       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   13.44     -1.5961E-05   94.46       47.68       100.5       50.27          UL-RL  6.5404E+04  -6.320       19.54
1.000       1.000       67.22       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   14.03     -1.5648E-05   96.28       48.62       102.4       51.18          UL-RL  6.5404E+04  -6.520       21.52
1.000       1.000       70.13       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   14.61     -1.5335E-05   98.11       49.55       104.2       52.10          UL-RL  6.5404E+04  -6.720       23.49
1.000       1.000       73.04       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   15.19     -1.5022E-05   99.94       50.48       106.0       53.01          UL-RL  6.5404E+04  -6.920       25.46
1.000       1.000       75.95       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   15.77     -1.4709E-05   101.8       51.42       107.8       53.92          UL-RL  6.5404E+04  -7.120       27.44
1.000       1.000       78.85       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   16.35     -1.4397E-05   103.6       52.35       109.7       54.83          UL-RL  6.5404E+04  -7.320       29.41
1.000       1.000       81.76       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   16.93     -1.4084E-05   105.4       53.28       111.5       55.75          UL-RL  6.5404E+04  -7.520       31.39
1.000       1.000       84.67       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   17.52     -1.3771E-05   107.2       54.22       113.3       56.66          UL-RL  6.5404E+04  -7.720       33.36
1.000       1.000       87.58       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   18.10     -1.3458E-05   109.1       55.15       115.1       57.57          UL-RL  6.5404E+04  -7.920       35.33
1.000       1.000       90.49       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   18.68     -1.3145E-05   110.9       56.09       117.0       58.49          UL-RL  6.5404E+04  -8.120       37.31
1.000       1.000       93.39       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   19.26     -1.2832E-05   112.7       57.02       118.8       59.40          UL-RL  6.5404E+04  -8.320       39.28
1.000       1.000       96.30       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   19.84     -1.2519E-05   114.5       57.95       120.6       60.31          UL-RL  6.5404E+04  -8.520       41.26
1.000       1.000       99.21       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   20.42     -1.2206E-05   116.4       58.89       122.5       61.23          UL-RL  6.5404E+04  -8.720       43.23
1.000       1.000       102.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   21.00     -1.1894E-05   118.2       59.82       124.3       62.14          UL-RL  6.5404E+04  -8.920       45.20
1.000       1.000       105.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   21.59     -1.1581E-05   120.0       60.76       126.1       63.05          UL-RL  6.5404E+04  -9.120       47.18
1.000       1.000       107.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   22.17     -1.1268E-05   121.8       61.69       127.9       63.96          UL-RL  6.5404E+04  -9.320       49.15
1.000       1.000       110.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   22.75     -1.0955E-05   123.7       62.62       129.8       64.88          UL-RL  6.5404E+04  -9.520       51.13
1.000       1.000       113.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   23.33     -1.0642E-05   125.5       63.56       131.6       65.79          UL-RL  6.5404E+04  -9.720       53.10
1.000       1.000       116.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   23.91     -1.0329E-05   127.3       64.49       133.4       66.70          UL-RL  6.5404E+04  -9.920       55.07
1.000       1.000       119.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   24.49     -1.0016E-05   129.2       65.42       135.2       67.62          UL-RL  6.5404E+04  -10.12       57.05
1.000       1.000       122.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   25.08     -9.7030E-06   131.0       66.36       137.1       68.53          UL-RL  6.5404E+04  -10.32       59.02
1.000       1.000       125.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   25.66     -9.3900E-06   132.8       67.29       138.9       69.44          UL-RL  6.5404E+04  -10.52       61.00
1.000       1.000       128.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   26.24     -9.0771E-06   134.6       68.22       140.7       70.36          UL-RL  6.5404E+04  -10.72       62.97
1.000       1.000       131.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   26.82     -8.7641E-06   136.5       69.16       142.5       71.27          UL-RL  6.5404E+04  -10.92       64.94
1.000       1.000       134.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   27.40     -8.4511E-06   138.3       70.09       144.4       72.18          UL-RL  6.5404E+04  -11.12       66.92
1.000       1.000       137.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   27.98     -8.1382E-06   140.1       71.03       146.2       73.09          UL-RL  6.5404E+04  -11.32       68.89
1.000       1.000       139.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   28.56     -7.8252E-06   141.9       71.96       148.0       74.01          UL-RL  6.5404E+04  -11.52       70.86
1.000       1.000       142.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   29.15     -7.5122E-06   143.8       72.89       149.8       74.92          UL-RL  6.5404E+04  -11.72       72.84
1.000       1.000       145.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   29.73     -7.1992E-06   145.6       73.83       151.7       75.83          UL-RL  6.5404E+04  -11.92       74.81
1.000       1.000       148.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   30.31     -6.8863E-06   147.4       74.76       153.5       76.75          UL-RL  6.5404E+04  -12.12       76.79
1.000       1.000       151.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   30.89     -6.5733E-06   149.2       75.69       155.3       77.66          UL-RL  6.5404E+04  -12.32       78.76
1.000       1.000       154.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   31.47     -6.2603E-06   151.1       76.63       157.1       78.57          UL-RL  6.5404E+04  -12.52       80.73
1.000       1.000       157.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   32.05     -5.9473E-06   152.9       77.56       159.0       79.49          UL-RL  6.5404E+04  -12.72       82.71
1.000       1.000       160.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   32.64     -5.6343E-06   154.7       78.50       160.8       80.40          UL-RL  6.5404E+04  -12.92       84.68
1.000       1.000       163.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   33.22     -5.3213E-06   156.5       79.43       162.6       81.31          UL-RL  6.5404E+04  -13.12       86.66
1.000       1.000       166.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   33.80     -5.0083E-06   158.4       80.36       164.4       82.22          UL-RL  6.5404E+04  -13.32       88.63
1.000       1.000       169.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   34.38     -4.6953E-06   160.2       81.30       166.3       83.14          UL-RL  6.5404E+04  -13.52       90.60
1.000       1.000       171.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   34.96     -4.3823E-06   162.0       82.23       168.1       84.05          UL-RL  6.5404E+04  -13.72       92.58
1.000       1.000       174.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   35.54     -6.0357E-07   163.9       83.17       169.9       84.97          UL-RL  4.4454E+05  -13.92       94.55
1.000       1.000       177.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   36.15     -5.5715E-07   165.9       84.21       172.0       85.99          UL-RL  4.4454E+05  -14.12       96.53
1.000       1.000       180.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   36.75     -5.1072E-07   167.9       85.24       174.0       87.00          UL-RL  4.4454E+05  -14.32       98.50
1.000       1.000       183.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   37.35     -4.6429E-07   169.9       86.27       176.0       88.01          UL-RL  4.4454E+05  -14.52       100.5
1.000       1.000       186.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   37.95     -4.1786E-07   172.0       87.31       178.1       89.03          UL-RL  4.4454E+05  -14.72       102.4
1.000       1.000       189.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   38.55     -3.7144E-07   174.0       88.34       180.1       90.04          UL-RL  4.4454E+05  -14.92       104.4
1.000       1.000       192.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   39.15     -3.2501E-07   176.0       89.37       182.1       91.05          UL-RL  4.4454E+05  -15.12       106.4
1.000       1.000       195.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   39.76     -2.7858E-07   178.0       90.41       184.1       92.06          UL-RL  4.4454E+05  -15.32       108.4
1.000       1.000       198.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   40.36     -2.3215E-07   180.1       91.44       186.2       93.08          UL-RL  4.4454E+05  -15.52       110.3
1.000       1.000       201.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   40.96     -1.8572E-07   182.1       92.48       188.2       94.09          UL-RL  4.4454E+05  -15.72       112.3
1.000       1.000       204.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   41.56     -1.3929E-07   184.1       93.51       190.2       95.10          UL-RL  4.4454E+05  -15.92       114.3
1.000       1.000       207.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   42.16     -9.2862E-08   186.2       94.54       192.2       96.12          UL-RL  4.4454E+05  -16.12       116.3
1.000       1.000       210.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   42.76     -4.6432E-08   188.2       95.58       194.3       97.13          UL-RL  4.4454E+05  -16.32       118.2
1.000       1.000       213.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   21.68      3.9247E-21   190.2       96.61       196.3       98.14          UL-RL  4.4454E+05  -16.52       120.2
1.000       1.000       216.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:44                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      3.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------------
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-----------------------------------------------
   1 D   0.000      1.1035E-20   0.000       0.000       6.080       3.040         PASSIVE   0.000     -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.6127      1.0451E-20   3.800       3.064       9.880       4.940          UL-RL  6.0545E+04 -0.5200       0.000
1.000       1.000       3.064       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.020      9.8656E-21   7.600       5.098       13.68       6.840          UL-RL  6.0545E+04 -0.7200       0.000
1.000       1.000       5.098       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.412      9.2801E-21   11.40       7.058       17.48       8.740          UL-RL  6.0545E+04 -0.9200       0.000
1.000       1.000       7.058       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.798      8.6931E-21   15.20       8.992       21.28       10.64          UL-RL  6.0545E+04  -1.120       0.000
1.000       1.000       8.992       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   2.183      8.1038E-21   19.00       10.91       25.08       12.54          UL-RL  6.0545E+04  -1.320       0.000
1.000       1.000       10.91       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.566      7.5108E-21   22.80       12.83       28.88       14.44          UL-RL  6.0545E+04  -1.520       0.000
1.000       1.000       12.83       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   2.948      6.9130E-21   26.60       14.74       32.68       16.34          UL-RL  6.0545E+04  -1.720       0.000
1.000       1.000       14.74       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.330      6.3088E-21   30.40       16.65       36.48       18.24          UL-RL  6.0545E+04  -1.920       0.000
1.000       1.000       16.65       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   3.712      5.6967E-21   34.20       18.56       40.28       20.14          UL-RL  6.0545E+04  -2.120       0.000
1.000       1.000       18.56       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   4.093      5.0750E-21   38.00       20.46       44.08       22.04          UL-RL  6.0545E+04  -2.320       0.000
1.000       1.000       20.46       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.474      4.4418E-21   41.80       22.37       47.88       23.94          UL-RL  6.0545E+04  -2.520       0.000
1.000       1.000       22.37       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   4.854      3.7954E-21   45.60       24.27       51.68       25.84          UL-RL  6.0545E+04  -2.720       0.000
1.000       1.000       24.27       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.235      3.1337E-21   49.40       26.18       55.48       27.74          UL-RL  6.0545E+04  -2.920       0.000
1.000       1.000       26.18       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.616      2.4549E-21   53.20       28.08       59.28       29.64          UL-RL  6.0545E+04  -3.120       0.000
1.000       1.000       28.08       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   5.996      1.7569E-21   57.00       29.98       63.08       31.54          UL-RL  6.0545E+04  -3.320       0.000
1.000       1.000       29.98       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.377      1.0378E-21   60.80       31.88       66.88       33.44          UL-RL  6.0545E+04  -3.520       0.000
1.000       1.000       31.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   6.757      2.9550E-22   64.60       33.79       70.68       35.34          UL-RL  6.0545E+04  -3.720       0.000
1.000       1.000       33.79       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   7.138     -4.7188E-22   68.40       35.69       74.48       37.24          UL-RL  6.0545E+04  -3.920       0.000
1.000       1.000       35.69       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.518     -1.2663E-21   72.20       37.59       78.28       39.14          UL-RL  6.0545E+04  -4.120       0.000
1.000       1.000       37.59       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   7.898     -2.0895E-21   76.00       39.49       82.08       41.04          UL-RL  6.0545E+04  -4.320       0.000
1.000       1.000       39.49       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   8.316      1.0678E-05   79.80       41.58       85.88       43.13          UL-RL  5.3089E+04  -4.520       0.000
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1.000       1.000       41.58       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D    8.792       1.8462E-05  82.92       43.28       89.00       44.83          UL-RL  5.3089E+04  -4.720       0.6798
1.000       1.000       43.96       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D    9.373       1.8149E-05  84.69       44.16       90.77       45.71          UL-RL  5.3089E+04  -4.920       2.706
1.000       1.000       46.87       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D    9.955       1.7837E-05  86.47       45.04       92.55       46.59          UL-RL  5.3089E+04  -5.120       4.732
1.000       1.000       49.78       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D    10.54       1.7524E-05  88.24       45.93       94.32       47.47          UL-RL  5.3089E+04  -5.320       6.758
1.000       1.000       52.68       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D    11.12       1.7211E-05  90.02       46.81       96.10       48.35          UL-RL  5.3089E+04  -5.520       8.784
1.000       1.000       55.59       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D    11.70       1.6899E-05  91.79       47.69       97.87       49.23          UL-RL  5.3089E+04  -5.720       10.81
1.000       1.000       58.50       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D    12.28       1.6586E-05  93.56       48.57       99.64       50.12          UL-RL  5.3089E+04  -5.920       12.84
1.000       1.000       61.41       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D    12.86       1.6273E-05  95.34       49.45       101.4       51.00          UL-RL  5.3089E+04  -6.120       14.86
1.000       1.000       64.32       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D    13.44       1.5961E-05  97.11       50.34       103.2       51.88          UL-RL  5.3089E+04  -6.320       16.89
1.000       1.000       67.22       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D    14.03       1.5648E-05  98.89       51.22       105.0       52.76          UL-RL  5.3089E+04  -6.520       18.91
1.000       1.000       70.13       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D    14.61       1.5335E-05  100.7       52.10       106.7       53.64          UL-RL  5.3089E+04  -6.720       20.94
1.000       1.000       73.04       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D    15.19       1.5022E-05  102.4       52.98       108.5       54.52          UL-RL  5.3089E+04  -6.920       22.97
1.000       1.000       75.95       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D    15.77       1.4709E-05  104.2       53.86       110.3       55.40          UL-RL  5.3089E+04  -7.120       24.99
1.000       1.000       78.85       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D    16.35       1.4397E-05  106.0       54.74       112.1       56.29          UL-RL  5.3089E+04  -7.320       27.02
1.000       1.000       81.76       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D    16.93       1.4084E-05  107.8       55.63       113.8       57.17          UL-RL  5.3089E+04  -7.520       29.04
1.000       1.000       84.67       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D    17.52       1.3771E-05  109.5       56.51       115.6       58.05          UL-RL  5.3089E+04  -7.720       31.07
1.000       1.000       87.58       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D    18.10       1.3458E-05  111.3       57.39       117.4       58.93          UL-RL  5.3089E+04  -7.920       33.10
1.000       1.000       90.49       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D    18.68       1.3145E-05  113.1       58.27       119.2       59.81          UL-RL  5.3089E+04  -8.120       35.12
1.000       1.000       93.39       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D    19.26       1.2832E-05  114.9       59.15       120.9       60.69          UL-RL  5.3089E+04  -8.320       37.15
1.000       1.000       96.30       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D    19.84       1.2519E-05  116.6       60.04       122.7       61.57          UL-RL  5.3089E+04  -8.520       39.17
1.000       1.000       99.21       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D    20.42       1.2206E-05  118.4       60.92       124.5       62.46          UL-RL  5.3089E+04  -8.720       41.20
1.000       1.000       102.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D    21.00       1.1894E-05  120.2       61.80       126.3       63.34          UL-RL  5.3089E+04  -8.920       43.23
1.000       1.000       105.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D    21.59       1.1581E-05  121.9       62.68       128.0       64.22          UL-RL  5.3089E+04  -9.120       45.25
1.000       1.000       107.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D    22.17       1.1268E-05  123.7       63.56       129.8       65.10          UL-RL  5.3089E+04  -9.320       47.28
1.000       1.000       110.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D    22.75       1.0955E-05  125.5       64.44       131.6       65.98          UL-RL  5.3089E+04  -9.520       49.30
1.000       1.000       113.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D    23.33       1.0642E-05  127.3       65.33       133.3       66.86          UL-RL  5.3089E+04  -9.720       51.33
1.000       1.000       116.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D    23.91       1.0329E-05  129.0       66.21       135.1       67.74          UL-RL  5.3089E+04  -9.920       53.36
1.000       1.000       119.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D    24.49       1.0016E-05  130.8       67.09       136.9       68.63          UL-RL  5.3089E+04  -10.12       55.38
1.000       1.000       122.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D    25.08       9.7030E-06  132.6       67.97       138.7       69.51          UL-RL  5.3089E+04  -10.32       57.41
1.000       1.000       125.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D    25.66       9.3900E-06  134.4       68.85       140.4       70.39          UL-RL  5.3089E+04  -10.52       59.43
1.000       1.000       128.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   26.24      9.0771E-06   136.1       69.73       142.2       71.27          UL-RL  5.3089E+04  -10.72       61.46
1.000       1.000       131.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   26.82      8.7641E-06   137.9       70.62       144.0       72.15          UL-RL  5.3089E+04  -10.92       63.49
1.000       1.000       134.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   27.40      8.4511E-06   139.7       71.50       145.8       73.03          UL-RL  5.3089E+04  -11.12       65.51
1.000       1.000       137.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   27.98      8.1382E-06   141.5       72.38       147.5       73.91          UL-RL  5.3089E+04  -11.32       67.54
1.000       1.000       139.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   28.56      7.8252E-06   143.2       73.26       149.3       74.80          UL-RL  5.3089E+04  -11.52       69.56
1.000       1.000       142.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   29.15      7.5122E-06   145.0       74.14       151.1       75.68          UL-RL  5.3089E+04  -11.72       71.59
1.000       1.000       145.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   29.73      7.1992E-06   146.8       75.02       152.9       76.56          UL-RL  5.3089E+04  -11.92       73.62
1.000       1.000       148.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   30.31      6.8863E-06   148.6       75.91       154.6       77.44          UL-RL  5.3089E+04  -12.12       75.64
1.000       1.000       151.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   30.89      6.5733E-06   150.3       76.79       156.4       78.32          UL-RL  5.3089E+04  -12.32       77.67
1.000       1.000       154.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   31.47      6.2603E-06   152.1       77.67       158.2       79.20          UL-RL  5.3089E+04  -12.52       79.69
1.000       1.000       157.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   32.05      5.9473E-06   153.9       78.55       160.0       80.09          UL-RL  5.3089E+04  -12.72       81.72
1.000       1.000       160.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   32.64      5.6343E-06   155.7       79.43       161.7       80.97          UL-RL  5.3089E+04  -12.92       83.75
1.000       1.000       163.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   33.22      5.3213E-06   157.4       80.31       163.5       81.85          UL-RL  5.3089E+04  -13.12       85.77
1.000       1.000       166.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   33.80      5.0083E-06   159.2       81.20       165.3       82.73          UL-RL  5.3089E+04  -13.32       87.80
1.000       1.000       169.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   34.38      4.6953E-06   161.0       82.08       167.1       83.61          UL-RL  5.3089E+04  -13.52       89.82
1.000       1.000       171.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   34.96      4.3823E-06   162.7       82.96       168.8       84.49          UL-RL  5.3089E+04  -13.72       91.85
1.000       1.000       174.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   35.54      6.0357E-07   164.5       83.85       170.6       85.38          UL-RL  3.4715E+05  -13.92       93.88
1.000       1.000       177.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   36.15      5.5715E-07   166.5       84.83       172.6       86.36          UL-RL  3.4715E+05  -14.12       95.90
1.000       1.000       180.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   36.75      5.1072E-07   168.5       85.81       174.6       87.34          UL-RL  3.4715E+05  -14.32       97.93
1.000       1.000       183.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   37.35      4.6429E-07   170.5       86.79       176.5       88.33          UL-RL  3.4715E+05  -14.52       99.95
1.000       1.000       186.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   37.95      4.1786E-07   172.4       87.77       178.5       89.31          UL-RL  3.4715E+05  -14.72       102.0
1.000       1.000       189.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   38.55      3.7144E-07   174.4       88.76       180.5       90.29          UL-RL  3.4715E+05  -14.92       104.0
1.000       1.000       192.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   39.15      3.2501E-07   176.4       89.74       182.5       91.27          UL-RL  3.4715E+05  -15.12       106.0
1.000       1.000       195.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   39.76      2.7858E-07   178.4       90.72       184.4       92.25          UL-RL  3.4715E+05  -15.32       108.1
1.000       1.000       198.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   40.36      2.3215E-07   180.3       91.70       186.4       93.23          UL-RL  3.4715E+05  -15.52       110.1
1.000       1.000       201.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   40.96      1.8572E-07   182.3       92.68       188.4       94.22          UL-RL  3.4715E+05  -15.72       112.1
1.000       1.000       204.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   41.56      1.3929E-07   184.3       93.67       190.4       95.20          UL-RL  3.4715E+05  -15.92       114.1
1.000       1.000       207.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   42.16      9.2862E-08   186.3       94.65       192.3       96.18          UL-RL  3.4715E+05  -16.12       116.2
1.000       1.000       210.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   42.76      4.6432E-08   188.2       95.63       194.3       97.16          UL-RL  3.4715E+05  -16.32       118.2
1.000       1.000       213.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   21.68     -3.9247E-21   190.2       96.61       196.3       98.14          UL-RL  3.4715E+05  -16.52       120.2
1.000       1.000       216.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*              |
|                                                                                                                         |
|                                                ParatiePlus                                                              |
|                                  Exe Time :28 January 2022   10:29:44                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099                                          :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   81
C U R R E N T   T I M E   I S      3.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

   EL      TA           TB           MA           MB
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    1 1.97909E-26-1.97909E-26 3.53410E-28 2.32241E-27
    2-3.58844E-16 3.58844E-16-1.81754E-27-7.17688E-17
    3-4.85652E-16 4.85652E-16 7.17688E-17-1.68899E-16
    4-6.02464E-16 6.02464E-16 1.68899E-16-2.89392E-16
    5-7.09265E-16 7.09265E-16 2.89392E-16-4.31245E-16
    6-8.06033E-16 8.06033E-16 4.31245E-16-5.92451E-16
    7-8.92737E-16 8.92737E-16 5.92451E-16-7.70999E-16
    8-9.69335E-16 9.69335E-16 7.70999E-16-9.64866E-16
    9-1.03578E-15 1.03578E-15 9.64866E-16-1.17202E-15
   10-1.09201E-15 1.09201E-15 1.17202E-15-1.39042E-15
   11-1.13796E-15 1.13796E-15 1.39042E-15-1.61802E-15
   12-1.17356E-15 1.17356E-15 1.61802E-15-1.85273E-15
   13-1.19872E-15 1.19872E-15 1.85273E-15-2.09247E-15
   14-1.21336E-15 1.21336E-15 2.09247E-15-2.33514E-15
   15-1.21740E-15 1.21740E-15 2.33514E-15-2.57862E-15
   16-1.21074E-15 1.21074E-15 2.57862E-15-2.82077E-15
   17-1.19329E-15 1.19329E-15 2.82077E-15-3.05943E-15
   18-1.16497E-15 1.16497E-15 3.05943E-15-3.29242E-15
   19-1.12569E-15 1.12569E-15 3.29242E-15-3.51756E-15
   20-1.07538E-15 1.07538E-15 3.51756E-15-3.73263E-15
   21 3.25131E-12-3.25131E-12 3.28965E-13 3.21297E-13
   22-6.47510E-12 6.47510E-12-6.43658E-13-6.51362E-13
   23-6.69564E-12 6.69564E-12-6.66065E-13-6.73063E-13
   24 1.78859E-11-1.78859E-11 1.79153E-12 1.78564E-12
   25-7.04866E-12 7.04866E-12-7.02493E-13-7.07238E-13
   26-7.17283E-12 7.17283E-12-7.15516E-13-7.19051E-13
   27 1.75147E-11-1.75147E-11 1.75261E-12 1.75034E-12
   28-7.31384E-12 7.31384E-12-7.30723E-13-7.32044E-13
   29-7.34378E-12 7.34378E-12-7.34039E-13-7.34710E-13
   30-7.34777E-12 7.34777E-12-7.34977E-13-7.34578E-13
   31 1.74507E-11-1.74507E-11 1.74448E-12 1.74566E-12
   32-7.28595E-12 7.28595E-12-7.29269E-13-7.27922E-13
   33 5.14536E-12-5.14536E-12 5.13744E-13 5.15328E-13
   34-7.18986E-12 7.18986E-12-7.19931E-13-7.18040E-13
   35 5.24944E-12-5.24944E-12 5.24158E-13 5.25724E-13
   36-7.09461E-12 7.09461E-12-7.10125E-13-7.08796E-13
   37 5.34105E-12-5.34105E-12 5.33159E-13 5.35051E-13
   38-6.96907E-12 6.96907E-12-6.98535E-13-6.95278E-13
   39 5.54860E-12-5.54860E-12 5.52144E-13 5.57575E-13
   40 5.74567E-12-5.74567E-12 5.70714E-13 5.78421E-13
   41-6.37480E-12 6.37480E-12-6.42522E-13-6.32438E-13
   42 6.35237E-12-6.35237E-12 6.28953E-13 6.41515E-13
   43-5.63016E-12 5.63016E-12-5.70232E-13-5.55799E-13
   44-5.17813E-12 5.17813E-12-5.25664E-13-5.09962E-13
   45 7.70094E-12-7.70094E-12 7.61554E-13 7.78634E-13
   46-4.15175E-12 4.15175E-12-4.24457E-13-4.05893E-13
   47-3.57092E-12 3.57092E-12-3.67171E-13-3.47010E-13
   48 9.44686E-12-9.44686E-12 9.33753E-13 9.55620E-13
   49-2.27849E-12 2.27849E-12-2.38984E-13-2.16726E-13
   50-1.62487E-12 1.62487E-12-1.73147E-13-1.51810E-13
   51-9.96892E-13 9.96892E-13-1.09949E-13-8.94298E-14
   52-3.92133E-13 3.92133E-13-4.91125E-14-2.93141E-14
   53 1.92486E-13-1.92486E-13 9.66048E-15 2.88367E-14
   54 7.59911E-13-7.59911E-13 6.66650E-14 8.53172E-14
   55 1.31296E-12-1.31296E-12 1.22187E-13 1.40405E-13
   56 1.85418E-12-1.85418E-12 1.76487E-13 1.94350E-13
   57-3.80771E-12 3.80771E-12-3.89565E-13-3.71978E-13
   58 2.91058E-12-2.91058E-12 2.82364E-13 2.99752E-13
   59-2.76346E-12 2.76346E-12-2.84973E-13-2.67719E-13
   60 3.94676E-12-3.94676E-12 3.86085E-13 4.03267E-13
   61-1.73171E-12 1.73171E-12-1.81753E-13-1.64589E-13
   62-1.20570E-12 1.20570E-12-1.29521E-13-1.11618E-13
   63-6.46338E-13 6.46338E-13-7.43276E-14-5.49400E-14
   64-4.20096E-14 4.20096E-14-1.46514E-14 6.24948E-15
   65 5.86656E-13-5.86656E-13 4.81605E-14 6.91706E-14
   66 1.17603E-12-1.17603E-12 1.08463E-13 1.26744E-13
   67 1.66218E-12-1.66218E-12 1.59154E-13 1.73282E-13
   68-2.62176E-12 2.62176E-12-2.67156E-13-2.57196E-13
   69-4.33572E-14 4.33572E-14-7.88166E-15-7.89776E-16
   70 1.22457E-13-1.22457E-13 1.02645E-14 1.42269E-14
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   71-2.19174E-13 2.19174E-13-2.14520E-14-2.23828E-14
   72 8.15831E-14-8.15831E-14 1.05711E-14 5.74547E-15
   73-1.07860E-13 1.07860E-13-6.88407E-15-1.46879E-14
   74 3.42661E-14-3.42661E-14 7.69062E-15-8.37410E-16
   75 1.87199E-13-1.87199E-13 2.22616E-14 1.51782E-14
   76-2.08583E-13 2.08583E-13-1.76590E-14-2.40576E-14
   77-1.58412E-14 1.58412E-14 1.69534E-15-4.86359E-15
   78 1.79435E-13-1.79435E-13 2.10583E-14 1.48287E-14
   79-7.19322E-14 7.19322E-14-5.15496E-15-9.23148E-15
   80-1.20289E-14 1.20289E-14-3.99116E-16-2.00666E-15
   81 1.18974E-14-1.18974E-14 1.35484E-15 1.02475E-15

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8669E+05 RIMNOR=0.4074E-22
           RENORM= 218.6     REMNOR=0.2002E-22 RATIO =0.5022E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 42.76     RMMAX =0.1792E-11
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-16
           RDT   =0.8669E+05 RDR   =0.1000E-16
           RATIOT=0.5022E-01 RATIOR= 0.000
           MAX UN= 2.948     IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN=-.1128E-11 IEQ=    80 NODE     40 DOF   2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8669E+05 RIMNOR=0.4074E-22
           RENORM= 20.83     REMNOR=0.6015E-20 RATIO =0.1550E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 42.76     RMMAX =0.1792E-11
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-16
           RDT   =0.8669E+05 RDR   =0.1000E-16
           RATIOT=0.1550E-01 RATIOR= 0.000
           MAX UN= 2.151     IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           MIN UN=-.2749E-09 IEQ=    81 NODE     41 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8669E+05 RIMNOR=0.4074E-22
           RENORM=0.5754     REMNOR=0.1618E-19 RATIO =0.2576E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 42.76     RMMAX =0.1792E-11
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-16
           RDT   =0.8669E+05 RDR   =0.1000E-16
           RATIOT=0.2576E-02 RATIOR= 0.000
           MAX UN=0.5695     IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           MIN UN=-.6031E-09 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8669E+05 RIMNOR=0.4074E-22
           RENORM=0.7045E-02 REMNOR=0.5844E-20 RATIO =0.2851E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 42.76     RMMAX =0.1792E-11
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-16
           RDT   =0.8669E+05 RDR   =0.1000E-16
           RATIOT=0.2851E-03 RATIOR= 0.000
           MAX UN=0.7940E-01 IEQ=    37 NODE     19 DOF   1  Y-DISPL.F
           MIN UN=-.6395E-09 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8669E+05 RIMNOR=0.4074E-22
           RENORM=0.1359E-17 REMNOR=0.2666E-20 RATIO =0.3959E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 42.76     RMMAX =0.1792E-11
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-16
           RDT   =0.8669E+05 RDR   =0.1000E-16
           RATIOT=0.3959E-11 RATIOR= 0.000
           MAX UN=0.5074E-09 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           MIN UN=-.5798E-09 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:44                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    4     ( AT TIME   4.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
    1   3.4282158E-04  -4.8632979E-05
    2   3.3309499E-04  -4.8632979E-05
    3   3.2336850E-04  -4.8631392E-05
    4   3.1364285E-04  -4.8623456E-05
    5   3.0392007E-04  -4.8601237E-05
    6   2.9420405E-04  -4.8553624E-05
    7   2.8450126E-04  -4.8466333E-05
    8   2.7482133E-04  -4.8321907E-05
    9   2.6517768E-04  -4.8099713E-05
   10   2.5558798E-04  -4.7779439E-05
   11   2.4607331E-04  -4.7348087E-05
   12   2.3665630E-04  -4.6803465E-05
   13   2.2735917E-04  -4.6150186E-05
   14   2.1820307E-04  -4.5394179E-05
   15   2.0920797E-04  -4.4541177E-05
   16   2.0039270E-04  -4.3596685E-05
   17   1.9177504E-04  -4.2565958E-05
   18   1.8337169E-04  -4.1453987E-05
   19   1.7519850E-04  -4.0265510E-05
   20   1.6727033E-04  -3.9004983E-05
   21   1.5960108E-04  -3.7676580E-05
   22   1.6288232E-04  -3.6284134E-05
   23   1.6355288E-04  -3.4837518E-05
   24   1.5642082E-04  -3.3352211E-05
   25   1.4958849E-04  -3.1842410E-05
   26   1.4305942E-04  -3.0321032E-05
   27   1.3683478E-04  -2.8799815E-05
   28   1.3091344E-04  -2.7289351E-05
   29   1.2529229E-04  -2.5799146E-05
   30   1.1996645E-04  -2.4337686E-05
   31   1.1492935E-04  -2.2912464E-05
   32   1.1017310E-04  -2.1530080E-05
   33   1.0568853E-04  -2.0196263E-05
   34   1.0146544E-04  -1.8915935E-05
   35   9.7492701E-05  -1.7693258E-05
   36   9.3758442E-05  -1.6531692E-05
   37   9.0250117E-05  -1.5434014E-05
   38   8.6954741E-05  -1.4402401E-05
   39   8.3858932E-05  -1.3438446E-05
   40   8.0949046E-05  -1.2543204E-05
   41   7.8211277E-05  -1.1717231E-05
   42   7.5631757E-05  -1.0960611E-05
   43   7.3196654E-05  -1.0272999E-05
   44   7.0892213E-05  -9.6536316E-06
   45   6.8704905E-05  -9.1013747E-06
   46   6.6621452E-05  -8.6147329E-06
   47   6.4628910E-05  -8.1918743E-06
   48   6.2714741E-05  -7.8306499E-06
   49   6.0866840E-05  -7.5286034E-06
   50   5.9073607E-05  -7.2829895E-06
   51   5.7324228E-05  -7.0908094E-06
   52   5.5608123E-05  -6.9487491E-06
   53   5.3915707E-05  -6.8532702E-06
   54   5.2238039E-05  -6.8005670E-06
   55   5.0566966E-05  -6.7865808E-06
   56   4.8895172E-05  -6.8070016E-06
   57   4.7216227E-05  -6.8572681E-06
   58   4.5524640E-05  -6.9325670E-06
   59   4.3815907E-05  -7.0278303E-06
   60   4.2086564E-05  -7.1377324E-06
   61   4.0334236E-05  -7.2566858E-06
   62   3.8557696E-05  -7.3788369E-06
   63   3.6756911E-05  -7.4980608E-06
   64   3.4933102E-05  -7.6079565E-06
   65   3.3088799E-05  -7.7018421E-06
   66   3.1227896E-05  -7.7727500E-06
   67   2.9355710E-05  -7.8134233E-06
   68   2.7479036E-05  -7.8163130E-06
   69   2.2140526E-05  -7.7735756E-06
   70   2.0547275E-05  -7.6889704E-06
   71   1.8973907E-05  -7.5770064E-06
   72   1.7424607E-05  -7.4502058E-06
   73   1.5901254E-05  -7.3191322E-06
   74   1.4403807E-05  -7.1924228E-06
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75   1.2930687E-05  -7.0768219E-06
76   1.1479155E-05  -6.9772134E-06
77   1.0045675E-05  -6.8966504E-06
78   8.6262835E-06  -6.8363804E-06
79   7.2169468E-06  -6.7958666E-06
80   5.8139145E-06  -6.7728029E-06
81   4.4140740E-06  -6.7631243E-06
82   3.0152307E-06  -6.7610135E-06
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:44                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                      :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      4.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -3.4282E-04   0.000       0.000       6.080       3.040          ACTIVE   0.000     -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.3868     -3.3309E-04   3.800       1.934       9.880       4.940          ACTIVE   0.000     -0.5200       0.000
1.000       1.000       1.934       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D  0.7737     -3.2337E-04   7.600       3.868       13.68       6.840          ACTIVE   0.000     -0.7200       0.000
1.000       1.000       3.868       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.161     -3.1364E-04   11.40       5.803       17.48       8.740          ACTIVE   0.000     -0.9200       0.000
1.000       1.000       5.803       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.547     -3.0392E-04   15.20       7.737       21.28       10.64          ACTIVE   0.000      -1.120       0.000
1.000       1.000       7.737       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   1.934     -2.9420E-04   19.00       9.671       25.08       12.54          ACTIVE   0.000      -1.320       0.000
1.000       1.000       9.671       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.321     -2.8450E-04   22.80       11.61       28.88       14.44          ACTIVE   0.000      -1.520       0.000
1.000       1.000       11.61       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   2.708     -2.7482E-04   26.60       13.54       32.68       16.34          ACTIVE   0.000      -1.720       0.000
1.000       1.000       13.54       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.095     -2.6518E-04   30.40       15.47       36.48       18.24          ACTIVE   0.000      -1.920       0.000
1.000       1.000       15.47       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   3.482     -2.5559E-04   34.20       17.41       40.28       20.14          ACTIVE   0.000      -2.120       0.000
1.000       1.000       17.41       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   3.868     -2.4607E-04   38.00       19.34       44.08       22.04          ACTIVE   0.000      -2.320       0.000
1.000       1.000       19.34       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.255     -2.3666E-04   41.80       21.28       47.88       23.94          ACTIVE   0.000      -2.520       0.000
1.000       1.000       21.28       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   4.642     -2.2736E-04   45.60       23.21       51.68       25.84          ACTIVE   0.000      -2.720       0.000
1.000       1.000       23.21       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.029     -2.1820E-04   49.40       25.14       55.48       27.74          ACTIVE   0.000      -2.920       0.000
1.000       1.000       25.14       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.416     -2.0921E-04   53.20       27.08       59.28       29.64          ACTIVE   0.000      -3.120       0.000
1.000       1.000       27.08       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   5.803     -2.0039E-04   57.00       29.01       63.08       31.54          ACTIVE   0.000      -3.320       0.000
1.000       1.000       29.01       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.189     -1.9178E-04   60.80       30.95       66.88       33.44          ACTIVE   0.000      -3.520       0.000
1.000       1.000       30.95       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   6.576     -1.8337E-04   64.60       32.88       70.68       35.34          ACTIVE   0.000      -3.720       0.000
1.000       1.000       32.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   6.963     -1.7520E-04   68.40       34.82       74.48       37.24          ACTIVE   0.000      -3.920       0.000
1.000       1.000       34.82       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.350     -1.6727E-04   72.20       36.75       78.28       39.14          ACTIVE   0.000      -4.120       0.000
1.000       1.000       36.75       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   7.737     -1.5960E-04   76.00       38.68       82.08       41.04          ACTIVE   0.000      -4.320       0.000
1.000       1.000       38.68       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   6.325     -1.6288E-04   78.02       29.85       84.10       42.05           UL-RL  6.5404E+04  -4.520       1.776
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1.000       1.000       31.63       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   6.894     -1.6355E-04   79.85       30.72       85.93       42.97          UL-RL  6.5404E+04  -4.720       3.750
1.000       1.000       34.47       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   7.565     -1.5642E-04   81.68       32.10       87.76       43.88          UL-RL  6.5404E+04  -4.920       5.724
1.000       1.000       37.82       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   8.232     -1.4959E-04   83.50       33.46       89.58       44.79          UL-RL  6.5404E+04  -5.120       7.698
1.000       1.000       41.16       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   8.895     -1.4306E-04   85.33       34.80       91.41       45.70          UL-RL  6.5404E+04  -5.320       9.672
1.000       1.000       44.47       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   9.554     -1.3683E-04   87.15       36.12       93.23       46.62          UL-RL  6.5404E+04  -5.520       11.65
1.000       1.000       47.77       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   10.21     -1.3091E-04   88.98       37.42       95.06       47.53          UL-RL  6.5404E+04  -5.720       13.62
1.000       1.000       51.04       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   10.86     -1.2529E-04   90.81       38.70       96.89       48.44          UL-RL  6.5404E+04  -5.920       15.59
1.000       1.000       54.30       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   11.51     -1.1997E-04   92.63       39.97       98.71       49.36          UL-RL  6.5404E+04  -6.120       17.57
1.000       1.000       57.53       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   12.15     -1.1493E-04   94.46       41.21       100.5       50.27          UL-RL  6.5404E+04  -6.320       19.54
1.000       1.000       60.75       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   12.79     -1.1017E-04   96.28       42.43       102.4       51.18          UL-RL  6.5404E+04  -6.520       21.52
1.000       1.000       63.95       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   13.43     -1.0569E-04   98.11       43.64       104.2       52.10          UL-RL  6.5404E+04  -6.720       23.49
1.000       1.000       67.13       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   14.06     -1.0147E-04   99.94       44.83       106.0       53.01          UL-RL  6.5404E+04  -6.920       25.46
1.000       1.000       70.29       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   14.69     -9.7493E-05   101.8       46.00       107.8       53.92          UL-RL  6.5404E+04  -7.120       27.44
1.000       1.000       73.44       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   15.31     -9.3758E-05   103.6       47.16       109.7       54.83          UL-RL  6.5404E+04  -7.320       29.41
1.000       1.000       76.57       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   15.94     -9.0250E-05   105.4       48.30       111.5       55.75          UL-RL  6.5404E+04  -7.520       31.39
1.000       1.000       79.69       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   16.56     -8.6955E-05   107.2       49.43       113.3       56.66          UL-RL  6.5404E+04  -7.720       33.36
1.000       1.000       82.79       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   17.18     -8.3859E-05   109.1       50.55       115.1       57.57          UL-RL  6.5404E+04  -7.920       35.33
1.000       1.000       85.88       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   17.79     -8.0949E-05   110.9       51.65       117.0       58.49          UL-RL  6.5404E+04  -8.120       37.31
1.000       1.000       88.96       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   18.41     -7.8211E-05   112.7       52.74       118.8       59.40          UL-RL  6.5404E+04  -8.320       39.28
1.000       1.000       92.03       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   19.02     -7.5632E-05   114.5       53.83       120.6       60.31          UL-RL  6.5404E+04  -8.520       41.26
1.000       1.000       95.08       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   19.63     -7.3197E-05   116.4       54.90       122.5       61.23          UL-RL  6.5404E+04  -8.720       43.23
1.000       1.000       98.13       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   20.23     -7.0892E-05   118.2       55.96       124.3       62.14          UL-RL  6.5404E+04  -8.920       45.20
1.000       1.000       101.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   20.84     -6.8705E-05   120.0       57.02       126.1       63.05          UL-RL  6.5404E+04  -9.120       47.18
1.000       1.000       104.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   21.44     -6.6621E-05   121.8       58.07       127.9       63.96          UL-RL  6.5404E+04  -9.320       49.15
1.000       1.000       107.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   22.05     -6.4629E-05   123.7       59.11       129.8       64.88          UL-RL  6.5404E+04  -9.520       51.13
1.000       1.000       110.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   22.65     -6.2715E-05   125.5       60.15       131.6       65.79          UL-RL  6.5404E+04  -9.720       53.10
1.000       1.000       113.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   23.25     -6.0867E-05   127.3       61.18       133.4       66.70          UL-RL  6.5404E+04  -9.920       55.07
1.000       1.000       116.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   23.85     -5.9074E-05   129.2       62.22       135.2       67.62          UL-RL  6.5404E+04  -10.12       57.05
1.000       1.000       119.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   24.45     -5.7324E-05   131.0       63.24       137.1       68.53          UL-RL  6.5404E+04  -10.32       59.02
1.000       1.000       122.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   25.05     -5.5608E-05   132.8       64.27       138.9       69.44          UL-RL  6.5404E+04  -10.52       61.00
1.000       1.000       125.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   25.65     -5.3916E-05   134.6       65.29       140.7       70.36          UL-RL  6.5404E+04  -10.72       62.97
1.000       1.000       128.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   26.25     -5.2238E-05   136.5       66.32       142.5       71.27          UL-RL  6.5404E+04  -10.92       64.94
1.000       1.000       131.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   26.85     -5.0567E-05   138.3       67.34       144.4       72.18          UL-RL  6.5404E+04  -11.12       66.92
1.000       1.000       134.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   27.45     -4.8895E-05   140.1       68.36       146.2       73.09          UL-RL  6.5404E+04  -11.32       68.89
1.000       1.000       137.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   28.05     -4.7216E-05   141.9       69.38       148.0       74.01          UL-RL  6.5404E+04  -11.52       70.86
1.000       1.000       140.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   28.65     -4.5525E-05   143.8       70.41       149.8       74.92          UL-RL  6.5404E+04  -11.72       72.84
1.000       1.000       143.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   29.25     -4.3816E-05   145.6       71.43       151.7       75.83          UL-RL  6.5404E+04  -11.92       74.81
1.000       1.000       146.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   29.85     -4.2087E-05   147.4       72.46       153.5       76.75          UL-RL  6.5404E+04  -12.12       76.79
1.000       1.000       149.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   30.45     -4.0334E-05   149.2       73.49       155.3       77.66          UL-RL  6.5404E+04  -12.32       78.76
1.000       1.000       152.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   31.05     -3.8558E-05   151.1       74.52       157.1       78.57          UL-RL  6.5404E+04  -12.52       80.73
1.000       1.000       155.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   31.65     -3.6757E-05   152.9       75.55       159.0       79.49          UL-RL  6.5404E+04  -12.72       82.71
1.000       1.000       158.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   32.25     -3.4933E-05   154.7       76.58       160.8       80.40          UL-RL  6.5404E+04  -12.92       84.68
1.000       1.000       161.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   32.85     -3.3089E-05   156.5       77.61       162.6       81.31          UL-RL  6.5404E+04  -13.12       86.66
1.000       1.000       164.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   33.46     -3.1228E-05   158.4       78.65       164.4       82.22          UL-RL  6.5404E+04  -13.32       88.63
1.000       1.000       167.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   34.06     -2.9356E-05   160.2       79.68       166.3       83.14          UL-RL  6.5404E+04  -13.52       90.60
1.000       1.000       170.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   34.66     -2.7479E-05   162.0       80.72       168.1       84.05          UL-RL  6.5404E+04  -13.72       92.58
1.000       1.000       173.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   33.63     -2.2141E-05   163.9       73.60       169.9       84.97          UL-RL  4.4454E+05  -13.92       94.55
1.000       1.000       168.2       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   34.37     -2.0547E-05   165.9       75.32       172.0       85.99          UL-RL  4.4454E+05  -14.12       96.53
1.000       1.000       171.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   35.11     -1.8974E-05   167.9       77.03       174.0       87.00          UL-RL  4.4454E+05  -14.32       98.50
1.000       1.000       175.5       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   35.84     -1.7425E-05   169.9       78.73       176.0       88.01          UL-RL  4.4454E+05  -14.52       100.5
1.000       1.000       179.2       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   36.57     -1.5901E-05   172.0       80.42       178.1       89.03          UL-RL  4.4454E+05  -14.72       102.4
1.000       1.000       182.9       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   37.31     -1.4404E-05   174.0       82.10       180.1       90.04          UL-RL  4.4454E+05  -14.92       104.4
1.000       1.000       186.5       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   38.03     -1.2931E-05   176.0       83.77       182.1       91.05          UL-RL  4.4454E+05  -15.12       106.4
1.000       1.000       190.2       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   38.76     -1.1479E-05   178.0       85.43       184.1       92.06          UL-RL  4.4454E+05  -15.32       108.4
1.000       1.000       193.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   39.48     -1.0046E-05   180.1       87.08       186.2       93.08          UL-RL  4.4454E+05  -15.52       110.3
1.000       1.000       197.4       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   40.21     -8.6263E-06   182.1       88.72       188.2       94.09          UL-RL  4.4454E+05  -15.72       112.3
1.000       1.000       201.0       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   40.93     -7.2169E-06   184.1       90.36       190.2       95.10          UL-RL  4.4454E+05  -15.92       114.3
1.000       1.000       204.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   41.65     -5.8139E-06   186.2       92.00       192.2       96.12          UL-RL  4.4454E+05  -16.12       116.3
1.000       1.000       208.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   42.38     -4.4141E-06   188.2       93.64       194.3       97.13          UL-RL  4.4454E+05  -16.32       118.2
1.000       1.000       211.9       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   21.55     -3.0152E-06   190.2       95.27       196.3       98.14          UL-RL  4.4454E+05  -16.52       120.2
1.000       1.000       215.5       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:44                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      4.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1     0.000         --          --          --          --          --         REMOVED     --      -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --         REMOVED     --      -0.5200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --         REMOVED     --      -0.7200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --         REMOVED     --      -0.9200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --         REMOVED     --       -1.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --         REMOVED     --       -1.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --         REMOVED     --       -1.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --         REMOVED     --       -1.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   9 D  0.8520      2.6518E-04   1.900       4.260       36.48       18.24         PASSIVE   0.000      -1.920       0.000
1.000       1.000       4.260       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   2.556      2.5559E-04   5.700       12.78       40.28       20.14         PASSIVE   0.000      -2.120       0.000
1.000       1.000       12.78       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   4.260      2.4607E-04   9.500       21.30       44.08       22.04         PASSIVE   0.000      -2.320       0.000
1.000       1.000       21.30       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.988      2.3666E-04   13.30       24.94       47.88       24.94              V-C  2.0182E+04  -2.520       0.000
1.000       1.000       24.94       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   5.354      2.2736E-04   17.10       26.77       51.68       26.77              V-C  2.0182E+04  -2.720       0.000
1.000       1.000       26.77       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.714      2.1820E-04   20.90       28.57       55.48       28.57              V-C  2.0182E+04  -2.920       0.000
1.000       1.000       28.57       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   6.072      2.0921E-04   24.70       30.36       59.28       30.36              V-C  2.0182E+04  -3.120       0.000
1.000       1.000       30.36       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   6.428      2.0039E-04   28.50       32.14       63.08       32.14              V-C  2.0182E+04  -3.320       0.000
1.000       1.000       32.14       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.782      1.9178E-04   32.30       33.91       66.88       33.91              V-C  2.0182E+04  -3.520       0.000
1.000       1.000       33.91       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   7.136      1.8337E-04   36.10       35.68       70.68       35.68              V-C  2.0182E+04  -3.720       0.000
1.000       1.000       35.68       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   7.490      1.7520E-04   39.90       37.45       74.48       37.45              V-C  2.0182E+04  -3.920       0.000
1.000       1.000       37.45       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.843      1.6727E-04   43.70       39.22       78.28       39.22              V-C  2.0182E+04  -4.120       0.000
1.000       1.000       39.22       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   8.177      1.5960E-04   47.50       40.88       82.08       41.04            UL-RL  6.0545E+04  -4.320       0.000
1.000       1.000       40.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   8.291      1.6288E-04   51.30       41.46       85.88       43.13            UL-RL  5.3089E+04  -4.520       0.000
1.000       1.000       41.46       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   8.701      1.6355E-04   54.42       42.83       89.00       44.83            UL-RL  5.3089E+04  -4.720       0.6798
1.000       1.000       43.51       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   9.216      1.5642E-04   56.19       43.37       90.77       45.71            UL-RL  5.3089E+04  -4.920       2.706
1.000       1.000       46.08       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  25 D   9.733      1.4959E-04   57.97       43.93       92.55       46.59          UL-RL  5.3089E+04  -5.120       4.732
1.000       1.000       48.66       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   10.25      1.4306E-04   59.74       44.51       94.32       47.47          UL-RL  5.3089E+04  -5.320       6.758
1.000       1.000       51.27       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   10.78      1.3683E-04   61.52       45.10       96.10       48.35          UL-RL  5.3089E+04  -5.520       8.784
1.000       1.000       53.88       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   11.30      1.3091E-04   63.29       45.70       97.87       49.23          UL-RL  5.3089E+04  -5.720       10.81
1.000       1.000       56.51       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   11.83      1.2529E-04   65.06       46.32       99.64       50.12          UL-RL  5.3089E+04  -5.920       12.84
1.000       1.000       59.16       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   12.36      1.1997E-04   66.84       46.96       101.4       51.00          UL-RL  5.3089E+04  -6.120       14.86
1.000       1.000       61.82       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   12.90      1.1493E-04   68.61       47.61       103.2       51.88          UL-RL  5.3089E+04  -6.320       16.89
1.000       1.000       64.50       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   13.44      1.1017E-04   70.39       48.27       105.0       52.76          UL-RL  5.3089E+04  -6.520       18.91
1.000       1.000       67.19       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   13.98      1.0569E-04   72.16       48.95       106.7       53.64          UL-RL  5.3089E+04  -6.720       20.94
1.000       1.000       69.89       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   14.52      1.0147E-04   73.93       49.64       108.5       54.52          UL-RL  5.3089E+04  -6.920       22.97
1.000       1.000       72.61       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   15.07      9.7493E-05   75.71       50.34       110.3       55.40          UL-RL  5.3089E+04  -7.120       24.99
1.000       1.000       75.34       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   15.62      9.3758E-05   77.48       51.06       112.1       56.29          UL-RL  5.3089E+04  -7.320       27.02
1.000       1.000       78.08       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   16.17      9.0250E-05   79.26       51.79       113.8       57.17          UL-RL  5.3089E+04  -7.520       29.04
1.000       1.000       80.83       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   16.72      8.6955E-05   81.03       52.52       115.6       58.05          UL-RL  5.3089E+04  -7.720       31.07
1.000       1.000       83.59       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   17.27      8.3859E-05   82.80       53.27       117.4       58.93          UL-RL  5.3089E+04  -7.920       33.10
1.000       1.000       86.37       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   17.83      8.0949E-05   84.58       54.03       119.2       59.81          UL-RL  5.3089E+04  -8.120       35.12
1.000       1.000       89.15       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   18.39      7.8211E-05   86.35       54.79       120.9       60.69          UL-RL  5.3089E+04  -8.320       37.15
1.000       1.000       91.94       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   18.95      7.5632E-05   88.13       55.57       122.7       61.57          UL-RL  5.3089E+04  -8.520       39.17
1.000       1.000       94.74       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   19.51      7.3197E-05   89.90       56.35       124.5       62.46          UL-RL  5.3089E+04  -8.720       41.20
1.000       1.000       97.55       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   20.07      7.0892E-05   91.67       57.13       126.3       63.34          UL-RL  5.3089E+04  -8.920       43.23
1.000       1.000       100.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   20.64      6.8705E-05   93.45       57.93       128.0       64.22          UL-RL  5.3089E+04  -9.120       45.25
1.000       1.000       103.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   21.20      6.6621E-05   95.22       58.73       129.8       65.10          UL-RL  5.3089E+04  -9.320       47.28
1.000       1.000       106.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   21.77      6.4629E-05   97.00       59.53       131.6       65.98          UL-RL  5.3089E+04  -9.520       49.30
1.000       1.000       108.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   22.33      6.2715E-05   98.77       60.34       133.3       66.86          UL-RL  5.3089E+04  -9.720       51.33
1.000       1.000       111.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   22.90      6.0867E-05   100.5       61.14       135.1       67.74          UL-RL  5.3089E+04  -9.920       53.36
1.000       1.000       114.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   23.47      5.9074E-05   102.3       61.96       136.9       68.63          UL-RL  5.3089E+04  -10.12       55.38
1.000       1.000       117.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   24.04      5.7324E-05   104.1       62.77       138.7       69.51          UL-RL  5.3089E+04  -10.32       57.41
1.000       1.000       120.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   24.60      5.5608E-05   105.9       63.59       140.4       70.39          UL-RL  5.3089E+04  -10.52       59.43
1.000       1.000       123.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  53 D   25.17      5.3916E-05   107.6       64.40       142.2       71.27          UL-RL  5.3089E+04  -10.72       61.46
1.000       1.000       125.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   25.74      5.2238E-05   109.4       65.22       144.0       72.15          UL-RL  5.3089E+04  -10.92       63.49
1.000       1.000       128.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   26.31      5.0567E-05   111.2       66.04       145.8       73.03          UL-RL  5.3089E+04  -11.12       65.51
1.000       1.000       131.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
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0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   26.88      4.8895E-05   113.0       66.86       147.5       73.91          UL-RL  5.3089E+04  -11.32       67.54
1.000       1.000       134.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   27.45      4.7216E-05   114.7       67.67       149.3       74.80          UL-RL  5.3089E+04  -11.52       69.56
1.000       1.000       137.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   28.02      4.5525E-05   116.5       68.49       151.1       75.68          UL-RL  5.3089E+04  -11.72       71.59
1.000       1.000       140.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   28.58      4.3816E-05   118.3       69.30       152.9       76.56          UL-RL  5.3089E+04  -11.92       73.62
1.000       1.000       142.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   29.15      4.2087E-05   120.1       70.12       154.6       77.44          UL-RL  5.3089E+04  -12.12       75.64
1.000       1.000       145.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   29.72      4.0334E-05   121.8       70.93       156.4       78.32          UL-RL  5.3089E+04  -12.32       77.67
1.000       1.000       148.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   30.29      3.8558E-05   123.6       71.74       158.2       79.20          UL-RL  5.3089E+04  -12.52       79.69
1.000       1.000       151.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   30.85      3.6757E-05   125.4       72.55       160.0       80.09          UL-RL  5.3089E+04  -12.72       81.72
1.000       1.000       154.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   31.42      3.4933E-05   127.2       73.36       161.7       80.97          UL-RL  5.3089E+04  -12.92       83.75
1.000       1.000       157.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   31.99      3.3089E-05   128.9       74.16       163.5       81.85          UL-RL  5.3089E+04  -13.12       85.77
1.000       1.000       159.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   32.55      3.1228E-05   130.7       74.97       165.3       82.73          UL-RL  5.3089E+04  -13.32       87.80
1.000       1.000       162.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   33.12      2.9356E-05   132.5       75.77       167.1       83.61          UL-RL  5.3089E+04  -13.52       89.82
1.000       1.000       165.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   33.69      2.7479E-05   134.2       76.58       168.8       84.49          UL-RL  5.3089E+04  -13.72       91.85
1.000       1.000       168.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   35.52      2.2141E-05   136.0       83.72       170.6       85.38          UL-RL  3.4715E+05  -13.92       93.88
1.000       1.000       177.6       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   36.02      2.0547E-05   138.0       84.17       172.6       86.36          UL-RL  3.4715E+05  -14.12       95.90
1.000       1.000       180.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   36.51      1.8974E-05   140.0       84.63       174.6       87.34          UL-RL  3.4715E+05  -14.32       97.93
1.000       1.000       182.6       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   37.01      1.7425E-05   142.0       85.10       176.5       88.33          UL-RL  3.4715E+05  -14.52       99.95
1.000       1.000       185.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   37.51      1.5901E-05   143.9       85.57       178.5       89.31          UL-RL  3.4715E+05  -14.72       102.0
1.000       1.000       187.6       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   38.01      1.4404E-05   145.9       86.06       180.5       90.29          UL-RL  3.4715E+05  -14.92       104.0
1.000       1.000       190.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   38.52      1.2931E-05   147.9       86.55       182.5       91.27          UL-RL  3.4715E+05  -15.12       106.0
1.000       1.000       192.6       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   39.02      1.1479E-05   149.9       87.05       184.4       92.25          UL-RL  3.4715E+05  -15.32       108.1
1.000       1.000       195.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   39.53      1.0046E-05   151.8       87.55       186.4       93.23          UL-RL  3.4715E+05  -15.52       110.1
1.000       1.000       197.6       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   40.03      8.6263E-06   153.8       88.06       188.4       94.22          UL-RL  3.4715E+05  -15.72       112.1
1.000       1.000       200.2       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   40.54      7.2169E-06   155.8       88.58       190.4       95.20          UL-RL  3.4715E+05  -15.92       114.1
1.000       1.000       202.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   41.05      5.8139E-06   157.8       89.09       192.3       96.18          UL-RL  3.4715E+05  -16.12       116.2
1.000       1.000       205.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   41.56      4.4141E-06   159.7       89.61       194.3       97.16          UL-RL  3.4715E+05  -16.32       118.2
1.000       1.000       207.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   21.03      3.0152E-06   161.7       90.13       196.3       98.14          UL-RL  3.4715E+05  -16.52       120.2
1.000       1.000       210.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   81
C U R R E N T   T I M E   I S   4.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

EL	TA	TB	MA	MB
1	7.94671E-11	-7.94671E-11	7.97407E-12	-2.27054E-11
2	0.38684	-0.38684	4.00311E-11	7.73680E-02
3	1.1605	-1.1605	-7.73680E-02	0.30947
4	2.3210	-2.3210	-0.30947	0.77368
5	3.8684	-3.8684	-0.77368	1.5474
6	5.8026	-5.8026	-1.5474	2.7079
7	8.1236	-8.1236	-2.7079	4.3326
8	10.832	-10.832	-4.3326	6.4989
9	13.074	-13.074	-6.4989	9.1138
10	14.000	-14.000	-9.1138	11.914
11	13.609	-13.609	-11.914	14.635
12	12.875	-12.875	-14.635	17.211
13	12.164	-12.164	-17.211	19.643
14	11.478	-11.478	-19.643	21.939
15	10.822	-10.822	-21.939	24.103
16	10.197	-10.197	-24.103	26.143
17	9.6043	-9.6043	-26.143	28.063
18	9.0447	-9.0447	-28.063	29.872
19	8.5182	-8.5182	-29.872	31.576
20	8.0247	-8.0247	-31.576	33.181
21	7.5848	-7.5848	-33.181	34.698
22	5.6188	-5.6188	-34.698	35.822
23	3.8115	-3.8115	-35.822	36.584
24	2.1607	-2.1607	-36.584	37.016
25	0.65950	-0.65950	-37.016	37.148
26	-0.69902	0.69902	-37.148	37.008
27	-1.9219	1.9219	-37.008	36.624
28	-3.0161	3.0161	-36.624	36.021
29	-3.9885	3.9885	-36.021	35.223
30	-4.8460	4.8460	-35.223	34.254
31	-5.5952	5.5952	-34.254	33.135
32	-6.2427	6.2427	-33.135	31.886
33	-6.7947	6.7947	-31.886	30.527
34	-7.2573	7.2573	-30.527	29.076
35	-7.6363	7.6363	-29.076	27.549
36	-7.9373	7.9373	-27.549	25.961
37	-8.1654	8.1654	-25.961	24.328
38	-8.3256	8.3256	-24.328	22.663
39	-8.4226	8.4226	-22.663	20.978
40	-8.4606	8.4606	-20.978	19.286
41	-8.4437	8.4437	-19.286	17.597
42	-8.3755	8.3755	-17.597	15.922
43	-8.2593	8.2593	-15.922	14.271
44	-8.0982	8.0982	-14.271	12.651
45	-7.8948	7.8948	-12.651	11.072
46	-7.6516	7.6516	-11.072	9.5416
47	-7.3707	7.3707	-9.5416	8.0675
48	-7.0538	7.0538	-8.0675	6.6567
49	-6.7024	6.7024	-6.6567	5.3162
50	-6.3178	6.3178	-5.3162	4.0527
51	-5.9010	5.9010	-4.0527	2.8725
52	-5.4527	5.4527	-2.8725	1.7819
53	-4.9734	4.9734	-1.7819	0.78724
54	-4.4634	4.4634	-0.78724	-0.10545
55	-3.9229	3.9229	0.10545	-0.89002
56	-3.3517	3.3517	0.89002	-1.5604
57	-2.7497	2.7497	1.5604	-2.1103
58	-2.1165	2.1165	2.1103	-2.5336
59	-1.4516	1.4516	2.5336	-2.8239
60	-0.75458	0.75458	2.8239	-2.9748
61	-2.48192E-02	2.48192E-02	2.9748	-2.9798
62	0.73829	-0.73829	2.9798	-2.8321
63	1.5354	-1.5354	2.8321	-2.5251
64	2.3670	-2.3670	2.5251	-2.0517
65	3.2336	-3.2336	2.0517	-1.4049
66	4.1357	-4.1357	1.4049	-0.57780
67	5.0737	-5.0737	0.57780	0.43693
68	6.0475	-6.0475	-0.43693	1.6464
69	4.1574	-4.1574	-1.6464	2.4779
70	2.5110	-2.5110	-2.4779	2.9801

```
   71  1.1052     -1.1052     -2.9801      3.2012
   72-6.37361E-02 6.37361E-02 -3.2012      3.1884
   73-0.99999     0.99999     -3.1884      2.9884
   74 -1.7076      1.7076     -2.9884      2.6469
   75 -2.1904      2.1904     -2.6469      2.2088
   76 -2.4517      2.4517     -2.2088      1.7185
   77 -2.4945      2.4945     -1.7185      1.2196
   78 -2.3209      2.3209     -1.2196     0.75540
   79 -1.9324      1.9324    -0.75540     0.36892
   80 -1.3301      1.3301    -0.36892     0.10289
   81-0.51444     0.51444    -0.10289     9.29512E-14

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8773E+05 RIMNOR=0.5678E+05
           RENORM= 446.8     REMNOR=0.2666E-20 RATIO =0.7137E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 42.38     RMMAX = 37.15
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.8773E+05 RDR   =0.5678E+05
           RATIOT=0.7137E-01 RATIOR= 0.000
           MAX UN= 6.428     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           MIN UN=-.5798E-09 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8773E+05 RIMNOR=0.5678E+05
           RENORM= 78.28     REMNOR=0.5398E-18 RATIO =0.2987E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 42.38     RMMAX = 37.15
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.8773E+05 RDR   =0.5678E+05
           RATIOT=0.2987E-01 RATIOR= 0.000
           MAX UN= 4.175     IEQ=    37 NODE     19 DOF   1  Y-DISPL.F
           MIN UN=-.2329E-08 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8773E+05 RIMNOR=0.5678E+05
           RENORM= 7.115     REMNOR=0.4578E-18 RATIO =0.9006E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 42.38     RMMAX = 37.15
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.8773E+05 RDR   =0.5678E+05
           RATIOT=0.9006E-02 RATIOR= 0.000
           MAX UN= 1.240     IEQ=    71 NODE     36 DOF   1  Y-DISPL.F
           MIN UN=-.3217E-08 IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8773E+05 RIMNOR=0.5678E+05
           RENORM=0.9227E-01 REMNOR=0.2498E-18 RATIO =0.1026E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 42.38     RMMAX = 37.15
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.8773E+05 RDR   =0.5678E+05
           RATIOT=0.1026E-02 RATIOR= 0.000
           MAX UN=0.2374     IEQ=    83 NODE     42 DOF   1  Y-DISPL.F
           MIN UN=-.7086E-01 IEQ=   163 NODE     82 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8773E+05 RIMNOR=0.5678E+05
           RENORM=0.4095E-16 REMNOR=0.2355E-18 RATIO =0.2161E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 42.38     RMMAX = 37.15
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.8773E+05 RDR   =0.5678E+05
           RATIOT=0.2161E-10 RATIOR= 0.000
           MAX UN=0.2037E-08 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.3065E-08 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:44                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    5     ( AT TIME   5.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
    1   2.4200801E-03  -2.8858688E-04
    2   2.3623627E-03  -2.8858688E-04
    3   2.3046454E-03  -2.8858529E-04
    4   2.2469290E-03  -2.8857735E-04
    5   2.1892155E-03  -2.8855513E-04
    6   2.1315087E-03  -2.8850752E-04
    7   2.0738151E-03  -2.8842023E-04
    8   2.0161444E-03  -2.8827580E-04
    9   1.9585100E-03  -2.8805361E-04
   10   1.9009297E-03  -2.8772984E-04
   11   1.8434266E-03  -2.8727752E-04
   12   1.7860293E-03  -2.8666648E-04
   13   1.7287728E-03  -2.8586341E-04
   14   1.6716992E-03  -2.8483179E-04
   15   1.6148580E-03  -2.8353196E-04
   16   1.5583071E-03  -2.8192105E-04
   17   1.5021134E-03  -2.7995304E-04
   18   1.4463522E-03  -2.7758571E-04
   19   1.3911075E-03  -2.7478769E-04
   20   1.3364675E-03  -2.7153838E-04
   21   1.2825232E-03  -2.6782796E-04
   22   1.2400454E-03  -2.6365746E-04
   23   1.1955512E-03  -2.5904897E-04
   24   1.1439234E-03  -2.5403940E-04
   25   1.0933349E-03  -2.4866457E-04
   26   1.0438547E-03  -2.4295948E-04
   27   9.9554555E-04  -2.3695847E-04
   28   9.4846341E-04  -2.3069512E-04
   29   9.0265740E-04  -2.2420237E-04
   30   8.5817039E-04  -2.1751246E-04
   31   8.1503820E-04  -2.1065692E-04
   32   7.7329108E-04  -2.0366671E-04
   33   7.3295292E-04  -1.9657217E-04
   34   6.9404160E-04  -1.8940305E-04
   35   6.5656912E-04  -1.8218851E-04
   36   6.2054186E-04  -1.7495722E-04
   37   5.8595999E-04  -1.6773723E-04
   38   5.5281870E-04  -1.6055582E-04
   39   5.2110765E-04  -1.5343891E-04
   40   4.9081147E-04  -1.4641095E-04
   41   4.6191005E-04  -1.3949500E-04
   42   4.3437878E-04  -1.3271280E-04
   43   4.0818898E-04  -1.2608488E-04
   44   3.8330759E-04  -1.1963049E-04
   45   3.5969822E-04  -1.1336725E-04
   46   3.3732109E-04  -1.0731041E-04
   47   3.1613360E-04  -1.0147271E-04
   48   2.9609093E-04  -9.5864635E-05
   49   2.7714612E-04  -9.0494348E-05
   50   2.5925061E-04  -8.5367914E-05
   51   2.4235687E-04  -8.0490018E-05
   52   2.2641287E-04  -7.5862378E-05
   53   2.1136927E-04  -7.1485831E-05
   54   1.9717594E-04  -6.7359309E-05
   55   1.8378312E-04  -6.3480181E-05
   56   1.7114171E-04  -5.9844342E-05
   57   1.5920358E-04  -5.6446288E-05
   58   1.4792184E-04  -5.3279191E-05
   59   1.3725108E-04  -5.0334973E-05
   60   1.2714764E-04  -4.7604360E-05
   61   1.1756982E-04  -4.5076950E-05
   62   1.0847810E-04  -4.2741262E-05
   63   9.9835379E-05  -4.0584785E-05
   64   9.1607147E-05  -3.8594025E-05
   65   8.3761687E-05  -3.6754549E-05
   66   7.6270263E-05  -3.5051018E-05
   67   6.9107292E-05  -3.3467229E-05
   68   6.2250515E-05  -3.1986143E-05
   69   5.5215476E-05  -3.0589922E-05
   70   4.6183616E-05  -2.9280820E-05
   71   4.0403139E-05  -2.8079043E-05
   72   3.4850975E-05  -2.6999808E-05
   73   2.9501496E-05  -2.6053524E-05
   74   2.4327461E-05  -2.5245959E-05
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75   1.9300923E-05  -2.4578384E-05
76   1.4394124E-05  -2.4047702E-05
77   9.5803492E-06  -2.3646554E-05
78   4.8347774E-06  -2.3363405E-05
79   1.3530505E-07  -2.3182609E-05
80  -4.5366348E-06  -2.3084456E-05
81  -9.1952630E-06  -2.3045199E-05
82  -1.3849882E-05  -2.3037074E-05
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:44                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      5.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -2.4201E-03   0.000       0.000       6.080       3.040          ACTIVE   0.000     -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.3868     -2.3624E-03   3.800       1.934       9.880       4.940          ACTIVE   0.000     -0.5200       0.000
1.000       1.000       1.934       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D  0.7737     -2.3046E-03   7.600       3.868       13.68       6.840          ACTIVE   0.000     -0.7200       0.000
1.000       1.000       3.868       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.161     -2.2469E-03   11.40       5.803       17.48       8.740          ACTIVE   0.000     -0.9200       0.000
1.000       1.000       5.803       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.547     -2.1892E-03   15.20       7.737       21.28       10.64          ACTIVE   0.000      -1.120       0.000
1.000       1.000       7.737       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   1.934     -2.1315E-03   19.00       9.671       25.08       12.54          ACTIVE   0.000      -1.320       0.000
1.000       1.000       9.671       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.321     -2.0738E-03   22.80       11.61       28.88       14.44          ACTIVE   0.000      -1.520       0.000
1.000       1.000       11.61       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   2.708     -2.0161E-03   26.60       13.54       32.68       16.34          ACTIVE   0.000      -1.720       0.000
1.000       1.000       13.54       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.095     -1.9585E-03   30.40       15.47       36.48       18.24          ACTIVE   0.000      -1.920       0.000
1.000       1.000       15.47       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   3.482     -1.9009E-03   34.20       17.41       40.28       20.14          ACTIVE   0.000      -2.120       0.000
1.000       1.000       17.41       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   3.868     -1.8434E-03   38.00       19.34       44.08       22.04          ACTIVE   0.000      -2.320       0.000
1.000       1.000       19.34       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.255     -1.7860E-03   41.80       21.28       47.88       23.94          ACTIVE   0.000      -2.520       0.000
1.000       1.000       21.28       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   4.642     -1.7288E-03   45.60       23.21       51.68       25.84          ACTIVE   0.000      -2.720       0.000
1.000       1.000       23.21       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.029     -1.6717E-03   49.40       25.14       55.48       27.74          ACTIVE   0.000      -2.920       0.000
1.000       1.000       25.14       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.416     -1.6149E-03   53.20       27.08       59.28       29.64          ACTIVE   0.000      -3.120       0.000
1.000       1.000       27.08       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   5.803     -1.5583E-03   57.00       29.01       63.08       31.54          ACTIVE   0.000      -3.320       0.000
1.000       1.000       29.01       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.189     -1.5021E-03   60.80       30.95       66.88       33.44          ACTIVE   0.000      -3.520       0.000
1.000       1.000       30.95       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   6.576     -1.4464E-03   64.60       32.88       70.68       35.34          ACTIVE   0.000      -3.720       0.000
1.000       1.000       32.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   6.963     -1.3911E-03   68.40       34.82       74.48       37.24          ACTIVE   0.000      -3.920       0.000
1.000       1.000       34.82       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.350     -1.3365E-03   72.20       36.75       78.28       39.14          ACTIVE   0.000      -4.120       0.000
1.000       1.000       36.75       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   7.737     -1.2825E-03   76.00       38.68       82.08       41.04          ACTIVE   0.000      -4.320       0.000
1.000       1.000       38.68       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   5.240     -1.2400E-03   78.02       24.42       84.10       42.05          ACTIVE   0.000      -4.520       1.776
```

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1.000       1.000       26.20       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   5.815     -1.1956E-03   79.85       25.32       85.93       42.97         ACTIVE   0.000      -4.720       3.750
1.000       1.000       29.07       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   6.389     -1.1439E-03   81.68       26.22       87.76       43.88         ACTIVE   0.000      -4.920       5.724
1.000       1.000       31.95       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   6.964     -1.0933E-03   83.50       27.12       89.58       44.79         ACTIVE   0.000      -5.120       7.698
1.000       1.000       34.82       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   7.539     -1.0439E-03   85.33       28.02       91.41       45.70         ACTIVE   0.000      -5.320       9.672
1.000       1.000       37.70       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   8.114     -9.9555E-04   87.15       28.92       93.23       46.62         ACTIVE   0.000      -5.520       11.65
1.000       1.000       40.57       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   8.689     -9.4846E-04   88.98       29.82       95.06       47.53         ACTIVE   0.000      -5.720       13.62
1.000       1.000       43.44       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   9.264     -9.0266E-04   90.81       30.72       96.89       48.44         ACTIVE   0.000      -5.920       15.59
1.000       1.000       46.32       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   9.838     -8.5817E-04   92.63       31.63       98.71       49.36         ACTIVE   0.000      -6.120       17.57
1.000       1.000       49.19       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   10.41     -8.1504E-04   94.46       32.53       100.5       50.27         ACTIVE   0.000      -6.320       19.54
1.000       1.000       52.07       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   10.99     -7.7329E-04   96.28       33.43       102.4       51.18         ACTIVE   0.000      -6.520       21.52
1.000       1.000       54.94       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   11.56     -7.3295E-04   98.11       34.33       104.2       52.10         ACTIVE   0.000      -6.720       23.49
1.000       1.000       57.82       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   12.14     -6.9404E-04   99.94       35.23       106.0       53.01         ACTIVE   0.000      -6.920       25.46
1.000       1.000       60.69       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   12.71     -6.5657E-04   101.8       36.13       107.8       53.92         ACTIVE   0.000      -7.120       27.44
1.000       1.000       63.56       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   13.29     -6.2054E-04   103.6       37.03       109.7       54.83         ACTIVE   0.000      -7.320       29.41
1.000       1.000       66.44       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   13.86     -5.8596E-04   105.4       37.93       111.5       55.75         ACTIVE   0.000      -7.520       31.39
1.000       1.000       69.31       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   14.44     -5.5282E-04   107.2       38.83       113.3       56.66         ACTIVE   0.000      -7.720       33.36
1.000       1.000       72.19       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   15.01     -5.2111E-04   109.1       39.73       115.1       57.57         ACTIVE   0.000      -7.920       35.33
1.000       1.000       75.06       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   15.59     -4.9081E-04   110.9       40.63       117.0       58.49         ACTIVE   0.000      -8.120       37.31
1.000       1.000       77.93       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   16.16     -4.6191E-04   112.7       41.53       118.8       59.40         ACTIVE   0.000      -8.320       39.28
1.000       1.000       80.81       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   16.74     -4.3438E-04   114.5       42.43       120.6       60.31         ACTIVE   0.000      -8.520       41.26
1.000       1.000       83.68       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   17.31     -4.0819E-04   116.4       43.33       122.5       61.23         ACTIVE   0.000      -8.720       43.23
1.000       1.000       86.56       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   18.03     -3.8331E-04   118.2       44.93       124.3       62.14          UL-RL  3.5318E+04  -8.920       45.20
1.000       1.000       90.13       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   18.78     -3.5970E-04   120.0       46.74       126.1       63.05          UL-RL  3.5318E+04  -9.120       47.18
1.000       1.000       93.92       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   19.53     -3.3732E-04   121.8       48.51       127.9       63.96          UL-RL  3.5318E+04  -9.320       49.15
1.000       1.000       97.66       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   20.27     -3.1613E-04   123.7       50.23       129.8       64.88          UL-RL  3.5318E+04  -9.520       51.13
1.000       1.000       101.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   21.00     -2.9609E-04   125.5       51.91       131.6       65.79          UL-RL  3.5318E+04  -9.720       53.10
1.000       1.000       105.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   21.72     -2.7715E-04   127.3       53.55       133.4       66.70          UL-RL  3.5318E+04  -9.920       55.07
1.000       1.000       108.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   22.44     -2.5925E-04   129.2       55.15       135.2       67.62          UL-RL  3.5318E+04  -10.12       57.05
1.000       1.000       112.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   23.15     -2.4236E-04   131.0       56.71       137.1       68.53          UL-RL  3.5318E+04  -10.32       59.02
1.000       1.000       115.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   23.85     -2.2641E-04   132.8       58.24       138.9       69.44          UL-RL  3.5318E+04  -10.52       61.00
1.000       1.000       119.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   24.54     -2.1137E-04   134.6       59.73       140.7       70.36          UL-RL  3.5318E+04  -10.72       62.97
1.000       1.000       122.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   25.23     -1.9718E-04   136.5       61.20       142.5       71.27          UL-RL  3.5318E+04  -10.92       64.94
1.000       1.000       126.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   25.91     -1.8378E-04   138.3       62.63       144.4       72.18          UL-RL  3.5318E+04  -11.12       66.92
1.000       1.000       129.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   26.59     -1.7114E-04   140.1       64.04       146.2       73.09          UL-RL  3.5318E+04  -11.32       68.89
1.000       1.000       132.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   27.26     -1.5920E-04   141.9       65.43       148.0       74.01          UL-RL  3.5318E+04  -11.52       70.86
1.000       1.000       136.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   27.93     -1.4792E-04   143.8       66.79       149.8       74.92          UL-RL  3.5318E+04  -11.72       72.84
1.000       1.000       139.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   28.59     -1.3725E-04   145.6       68.13       151.7       75.83          UL-RL  3.5318E+04  -11.92       74.81
1.000       1.000       142.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   29.25     -1.2715E-04   147.4       69.45       153.5       76.75          UL-RL  3.5318E+04  -12.12       76.79
1.000       1.000       146.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   29.90     -1.1757E-04   149.2       70.76       155.3       77.66          UL-RL  3.5318E+04  -12.32       78.76
1.000       1.000       149.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   30.56     -1.0848E-04   151.1       72.05       157.1       78.57          UL-RL  3.5318E+04  -12.52       80.73
1.000       1.000       152.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   31.21     -9.9835E-05   152.9       73.32       159.0       79.49          UL-RL  3.5318E+04  -12.72       82.71
1.000       1.000       156.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   31.85     -9.1607E-05   154.7       74.58       160.8       80.40          UL-RL  3.5318E+04  -12.92       84.68
1.000       1.000       159.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   32.50     -8.3762E-05   156.5       75.82       162.6       81.31          UL-RL  3.5318E+04  -13.12       86.66
1.000       1.000       162.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   33.14     -7.6270E-05   158.4       77.06       164.4       82.22          UL-RL  3.5318E+04  -13.32       88.63
1.000       1.000       165.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   33.78     -6.9107E-05   160.2       78.28       166.3       83.14          UL-RL  3.5318E+04  -13.52       90.60
1.000       1.000       168.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   34.41     -6.2251E-05   162.0       79.49       168.1       84.05          UL-RL  3.5318E+04  -13.72       92.58
1.000       1.000       172.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   32.19     -5.2215E-05   163.9       66.38       169.9       84.97          UL-RL  2.4005E+05  -13.92       94.55
1.000       1.000       160.9       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   33.14     -4.6184E-05   165.9       69.16       172.0       85.99          UL-RL  2.4005E+05  -14.12       96.53
1.000       1.000       165.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   34.08     -4.0403E-05   167.9       71.89       174.0       87.00          UL-RL  2.4005E+05  -14.32       98.50
1.000       1.000       170.4       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   35.00     -3.4851E-05   169.9       74.55       176.0       88.01          UL-RL  2.4005E+05  -14.52       100.5
1.000       1.000       175.0       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   35.92     -2.9501E-05   172.0       77.16       178.1       89.03          UL-RL  2.4005E+05  -14.72       102.4
1.000       1.000       179.6       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   36.83     -2.4327E-05   174.0       79.72       180.1       90.04          UL-RL  2.4005E+05  -14.92       104.4
1.000       1.000       184.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   37.73     -1.9301E-05   176.0       82.24       182.1       91.05          UL-RL  2.4005E+05  -15.12       106.4
1.000       1.000       188.6       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   38.62     -1.4394E-05   178.0       84.73       184.1       92.06          UL-RL  2.4005E+05  -15.32       108.4
1.000       1.000       193.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   39.51     -9.5803E-06   180.1       87.19       186.2       93.08          UL-RL  2.4005E+05  -15.52       110.3
1.000       1.000       197.5       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   40.39     -4.8348E-06   182.1       89.63       188.2       94.09          UL-RL  2.4005E+05  -15.72       112.3
1.000       1.000       202.0       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   41.27     -1.3531E-07   184.1       92.06       190.2       95.10          UL-RL  2.4005E+05  -15.92       114.3
1.000       1.000       206.4       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   42.15      4.5366E-06   186.2       94.48       192.2       96.12          UL-RL  2.4005E+05  -16.12       116.3
1.000       1.000       210.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   43.03      9.1953E-06   188.2       96.90       194.3       97.13          UL-RL  2.4005E+05  -16.32       118.2
1.000       1.000       215.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   21.87      1.3850E-05   190.2       98.53       196.3       98.53            V-C  8.0017E+04  -16.52       120.2
1.000       1.000       218.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                  Exe Time :28 January 2022   10:29:44                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      5.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1     0.000         --          --          --          --          --         REMOVED     --      -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --         REMOVED     --      -0.5200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --         REMOVED     --      -0.7200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --         REMOVED     --      -0.9200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --         REMOVED     --       -1.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --         REMOVED     --       -1.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --         REMOVED     --       -1.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --         REMOVED     --       -1.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --         REMOVED     --       -1.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --         REMOVED     --       -2.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --         REMOVED     --       -2.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --         REMOVED     --       -2.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --         REMOVED     --       -2.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --         REMOVED     --       -2.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --         REMOVED     --       -3.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  16 D   0.000      1.5583E-03   0.000       0.000       63.08       32.14         PASSIVE   0.000      -3.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   1.704      1.5021E-03   3.800       8.520       66.88       33.91         PASSIVE   0.000      -3.520       0.000
1.000       1.000       8.520       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   3.408      1.4464E-03   7.600       17.04       70.68       35.68         PASSIVE   0.000      -3.720       0.000
1.000       1.000       17.04       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   5.112      1.3911E-03   11.40       25.56       74.48       37.45         PASSIVE   0.000      -3.920       0.000
1.000       1.000       25.56       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   6.816      1.3365E-03   15.20       34.08       78.28       39.22         PASSIVE   0.000      -4.120       0.000
1.000       1.000       34.08       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   8.520      1.2825E-03   19.00       42.60       82.08       42.60         PASSIVE   0.000      -4.320       0.000
1.000       1.000       42.60       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   9.836      1.2400E-03   22.80       49.18       85.88       49.18           V-C   9556.      -4.520       0.000
1.000       1.000       49.18       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   10.22      1.1956E-03   25.92       50.43       89.00       50.43           V-C   9556.      -4.720       0.6798
1.000       1.000       51.11       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   10.71      1.1439E-03   27.69       50.82       90.77       50.82           V-C   9556.      -4.920       2.706
1.000       1.000       53.53       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   11.19      1.0933E-03   29.47       51.22       92.55       51.22           V-C   9556.      -5.120       4.732
1.000       1.000       55.95       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   11.68      1.0439E-03   31.24       51.63       94.32       51.63           V-C   9556.      -5.320       6.758
1.000       1.000       58.39       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   12.17      9.9555E-04   33.02       52.05       96.10       52.05           V-C   9556.      -5.520       8.784
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1.000       1.000       60.83       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   12.66      9.4846E-04   34.79       52.48       97.87       52.48            V-C   9556.      -5.720       10.81
1.000       1.000       63.29       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   13.15      9.0266E-04   36.56       52.92       99.64       52.92            V-C   9556.      -5.920       12.84
1.000       1.000       65.76       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   13.65      8.5817E-04   38.34       53.38       101.4       53.38            V-C   9556.      -6.120       14.86
1.000       1.000       68.24       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   14.15      8.1504E-04   40.11       53.84       103.2       53.84            V-C   9556.      -6.320       16.89
1.000       1.000       70.73       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   14.65      7.7329E-04   41.89       54.33       105.0       54.33            V-C   9556.      -6.520       18.91
1.000       1.000       73.24       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   15.15      7.3295E-04   43.66       54.82       106.7       54.82            V-C   9556.      -6.720       20.94
1.000       1.000       75.76       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   15.66      6.9404E-04   45.43       55.33       108.5       55.33            V-C   9556.      -6.920       22.97
1.000       1.000       78.30       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   16.17      6.5657E-04   47.21       55.86       110.3       55.86            V-C   9556.      -7.120       24.99
1.000       1.000       80.85       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   16.68      6.2054E-04   48.98       56.40       112.1       56.40            V-C   9556.      -7.320       27.02
1.000       1.000       83.41       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   17.11      5.8596E-04   50.76       56.51       113.8       57.17          UL-RL  2.8668E+04  -7.520       29.04
1.000       1.000       85.55       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   17.50      5.5282E-04   52.53       56.45       115.6       58.05          UL-RL  2.8668E+04  -7.720       31.07
1.000       1.000       87.52       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   17.91      5.2111E-04   54.30       56.43       117.4       58.93          UL-RL  2.8668E+04  -7.920       33.10
1.000       1.000       89.53       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   18.32      4.9081E-04   56.08       56.45       119.2       59.81          UL-RL  2.8668E+04  -8.120       35.12
1.000       1.000       91.58       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   18.73      4.6191E-04   57.85       56.52       120.9       60.69          UL-RL  2.8668E+04  -8.320       37.15
1.000       1.000       93.67       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   19.16      4.3438E-04   59.63       56.62       122.7       61.57          UL-RL  2.8668E+04  -8.520       39.17
1.000       1.000       95.80       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   19.59      4.0819E-04   61.40       56.77       124.5       62.46          UL-RL  2.8668E+04  -8.720       41.20
1.000       1.000       97.97       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   20.04      3.8331E-04   63.17       56.95       126.3       63.34          UL-RL  2.8668E+04  -8.920       43.23
1.000       1.000       100.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   20.49      3.5970E-04   64.95       57.17       128.0       64.22          UL-RL  2.8668E+04  -9.120       45.25
1.000       1.000       102.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   20.94      3.3732E-04   66.72       57.43       129.8       65.10          UL-RL  2.8668E+04  -9.320       47.28
1.000       1.000       104.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   21.40      3.1613E-04   68.50       57.72       131.6       65.98          UL-RL  2.8668E+04  -9.520       49.30
1.000       1.000       107.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   21.87      2.9609E-04   70.27       58.04       133.3       66.86          UL-RL  2.8668E+04  -9.720       51.33
1.000       1.000       109.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   22.35      2.7715E-04   72.04       58.40       135.1       67.74          UL-RL  2.8668E+04  -9.920       53.36
1.000       1.000       111.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   22.83      2.5925E-04   73.82       58.78       136.9       68.63          UL-RL  2.8668E+04  -10.12       55.38
1.000       1.000       114.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   23.32      2.4236E-04   75.59       59.20       138.7       69.51          UL-RL  2.8668E+04  -10.32       57.41
1.000       1.000       116.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   23.81      2.2641E-04   77.37       59.64       140.4       70.39          UL-RL  2.8668E+04  -10.52       59.43
1.000       1.000       119.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  53 D   24.31      2.1137E-04   79.14       60.10       142.2       71.27          UL-RL  2.8668E+04  -10.72       61.46
1.000       1.000       121.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   24.81      1.9718E-04   80.91       60.59       144.0       72.15          UL-RL  2.8668E+04  -10.92       63.49
1.000       1.000       124.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   25.32      1.8378E-04   82.69       61.10       145.8       73.03          UL-RL  2.8668E+04  -11.12       65.51
1.000       1.000       126.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   25.83      1.7114E-04   84.46       61.63       147.5       73.91          UL-RL  2.8668E+04  -11.32       67.54
1.000       1.000       129.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   26.35      1.5920E-04   86.24       62.18       149.3       74.80          UL-RL  2.8668E+04  -11.52       69.56
1.000       1.000       131.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  58 D   26.87      1.4792E-04   88.01       62.74       151.1       75.68          UL-RL  2.8668E+04  -11.72       71.59
1.000       1.000       134.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   27.39      1.3725E-04   89.78       63.33       152.9       76.56          UL-RL  2.8668E+04  -11.92       73.62
1.000       1.000       136.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   27.91      1.2715E-04   91.56       63.92       154.6       77.44          UL-RL  2.8668E+04  -12.12       75.64
1.000       1.000       139.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   28.44      1.1757E-04   93.33       64.53       156.4       78.32          UL-RL  2.8668E+04  -12.32       77.67
1.000       1.000       142.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   28.97      1.0848E-04   95.11       65.16       158.2       79.20          UL-RL  2.8668E+04  -12.52       79.69
1.000       1.000       144.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   29.50      9.9835E-05   96.88       65.79       160.0       80.09          UL-RL  2.8668E+04  -12.72       81.72
1.000       1.000       147.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   30.04      9.1607E-05   98.65       66.44       161.7       80.97          UL-RL  2.8668E+04  -12.92       83.75
1.000       1.000       150.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   30.57      8.3762E-05   100.4       67.09       163.5       81.85          UL-RL  2.8668E+04  -13.12       85.77
1.000       1.000       152.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   31.11      7.6270E-05   102.2       67.76       165.3       82.73          UL-RL  2.8668E+04  -13.32       87.80
1.000       1.000       155.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   31.65      6.9107E-05   104.0       68.43       167.1       83.61          UL-RL  2.8668E+04  -13.52       89.82
1.000       1.000       158.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   32.19      6.2251E-05   105.7       69.11       168.8       84.49          UL-RL  2.8668E+04  -13.72       91.85
1.000       1.000       161.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   34.96      5.2215E-05   107.5       80.91       170.6       85.38          UL-RL  1.8746E+05  -13.92       93.88
1.000       1.000       174.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   35.29      4.6184E-05   109.5       80.55       172.6       86.36          UL-RL  1.8746E+05  -14.12       95.90
1.000       1.000       176.5       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   35.63      4.0403E-05   111.5       80.24       174.6       87.34          UL-RL  1.8746E+05  -14.32       97.93
1.000       1.000       178.2       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   35.99      3.4851E-05   113.5       79.98       176.5       88.33          UL-RL  1.8746E+05  -14.52       99.95
1.000       1.000       179.9       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   36.35      2.9501E-05   115.4       79.75       178.5       89.31          UL-RL  1.8746E+05  -14.72       102.0
1.000       1.000       181.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   36.71      2.4327E-05   117.4       79.56       180.5       90.29          UL-RL  1.8746E+05  -14.92       104.0
1.000       1.000       183.6       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   37.09      1.9301E-05   119.4       79.41       182.5       91.27          UL-RL  1.8746E+05  -15.12       106.0
1.000       1.000       185.4       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   37.47      1.4394E-05   121.4       79.27       184.4       92.25          UL-RL  1.8746E+05  -15.32       108.1
1.000       1.000       187.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   37.85      9.5803E-06   123.3       79.16       186.4       93.23          UL-RL  1.8746E+05  -15.52       110.1
1.000       1.000       189.2       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   38.23      4.8348E-06   125.3       79.06       188.4       94.22          UL-RL  1.8746E+05  -15.72       112.1
1.000       1.000       191.2       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   38.62      1.3531E-07   127.3       78.98       190.4       95.20          UL-RL  1.8746E+05  -15.92       114.1
1.000       1.000       193.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   39.01     -4.5366E-06   129.3       78.89       192.3       96.18          UL-RL  1.8746E+05  -16.12       116.2
1.000       1.000       195.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   39.40     -9.1953E-06   131.2       78.81       194.3       97.16          UL-RL  1.8746E+05  -16.32       118.2
1.000       1.000       197.0       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   19.89     -1.3850E-05   133.2       78.73       196.3       98.14          UL-RL  1.8746E+05  -16.52       120.2
1.000       1.000       198.9       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
```

New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   81
C U R R E N T   T I M E   I S   5.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

EL	TA	TB	MA	MB
1	2.54090E-11	-2.54090E-11	2.74447E-12	2.44231E-10
2	0.38684	-0.38684	-4.42427E-10	7.73680E-02
3	1.1605	-1.1605	-7.73680E-02	0.30947
4	2.3210	-2.3210	-0.30947	0.77368
5	3.8684	-3.8684	-0.77368	1.5474
6	5.8026	-5.8026	-1.5474	2.7079
7	8.1236	-8.1236	-2.7079	4.3326
8	10.832	-10.832	-4.3326	6.4989
9	13.926	-13.926	-6.4989	9.2842
10	17.408	-17.408	-9.2842	12.766
11	21.276	-21.276	-12.766	17.021
12	25.531	-25.531	-17.021	22.127
13	30.174	-30.174	-22.127	28.162
14	35.202	-35.202	-28.162	35.202
15	40.618	-40.618	-35.202	43.326
16	46.421	-46.421	-43.326	52.610
17	50.906	-50.906	-52.610	62.792
18	54.075	-54.075	-62.792	73.607
19	55.926	-55.926	-73.607	84.792
20	56.460	-56.460	-84.792	96.084
21	55.678	-55.678	-96.084	107.22
22	51.082	-51.082	-107.22	117.44
23	46.675	-46.675	-117.44	126.77
24	42.359	-42.359	-126.77	135.24
25	38.133	-38.133	-135.24	142.87
26	33.995	-33.995	-142.87	149.67
27	29.943	-29.943	-149.67	155.66
28	25.975	-25.975	-155.66	160.85
29	22.087	-22.087	-160.85	165.27
30	18.278	-18.278	-165.27	168.92
31	14.545	-14.545	-168.92	171.83
32	10.885	-10.885	-171.83	174.01
33	7.2955	-7.2955	-174.01	175.47
34	3.7737	-3.7737	-175.47	176.22
35	0.31672	-0.31672	-176.22	176.29
36	-3.0784	3.0784	-176.29	175.67
37	-6.3267	6.3267	-175.67	174.41
38	-9.3933	9.3933	-174.41	172.53
39	-12.287	12.287	-172.53	170.07
40	-15.015	15.015	-170.07	167.07
41	-17.587	17.587	-167.07	163.55
42	-20.010	20.010	-163.55	159.55
43	-22.292	22.292	-159.55	155.09
44	-24.302	24.302	-155.09	150.23
45	-26.003	26.003	-150.23	145.03
46	-27.413	27.413	-145.03	139.55
47	-28.547	28.547	-139.55	133.84
48	-29.420	29.420	-133.84	127.95
49	-30.047	30.047	-127.95	121.94
50	-30.442	30.442	-121.94	115.86
51	-30.617	30.617	-115.86	109.73
52	-30.585	30.585	-109.73	103.62
53	-30.357	30.357	-103.62	97.544
54	-29.943	29.943	-97.544	91.555
55	-29.356	29.356	-91.555	85.684
56	-28.602	28.602	-85.684	79.964
57	-27.692	27.692	-79.964	74.426
58	-26.632	26.632	-74.426	69.099
59	-25.432	25.432	-69.099	64.013
60	-24.097	24.097	-64.013	59.193
61	-22.633	22.633	-59.193	54.667
62	-21.048	21.048	-54.667	50.457
63	-19.344	19.344	-50.457	46.588
64	-17.529	17.529	-46.588	43.082
65	-15.606	15.606	-43.082	39.961
66	-13.580	13.580	-39.961	37.245
67	-11.453	11.453	-37.245	34.955
68	-9.2313	9.2313	-34.955	33.108
69	-12.003	12.003	-33.108	30.708
70	-14.156	14.156	-30.708	27.876

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   71 -15.712      15.712     -27.876      24.734
   72 -16.693      16.693     -24.734      21.395
   73 -17.118      17.118     -21.395      17.972
   74 -17.003      17.003     -17.972      14.571
   75 -16.363      16.363     -14.571      11.299
   76 -15.210      15.210     -11.299      8.2566
   77 -13.552      13.552     -8.2566      5.5463
   78 -11.396      11.396     -5.5463      3.2671
   79 -8.7473      8.7473     -3.2671      1.5177
   80 -5.6082      5.6082     -1.5177     0.39603
   81 -1.9801      1.9801    -0.39603    -2.97205E-15

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1771E+06 RIMNOR=0.1670E+07
           RENORM= 1009.     REMNOR=0.2355E-18 RATIO =0.7550E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 56.46     RMMAX = 176.3
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1771E+06 RDR   =0.1670E+07
           RATIOT=0.7550E-01 RATIOR= 0.000
           MAX UN= 10.41     IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           MIN UN=-.3065E-08 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1771E+06 RIMNOR=0.1670E+07
           RENORM= 269.9     REMNOR=0.1402E-16 RATIO =0.3904E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 56.46     RMMAX = 176.3
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1771E+06 RDR   =0.1670E+07
           RATIOT=0.3904E-01 RATIOR= 0.000
           MAX UN= 5.558     IEQ=    51 NODE     26 DOF   1  Y-DISPL.F
           MIN UN=-2.148     IEQ=   159 NODE     80 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1771E+06 RIMNOR=0.1670E+07
           RENORM= 42.39     REMNOR=0.1930E-16 RATIO =0.1547E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 56.46     RMMAX = 176.3
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1771E+06 RDR   =0.1670E+07
           RATIOT=0.1547E-01 RATIOR= 0.000
           MAX UN= 2.468     IEQ=    93 NODE     47 DOF   1  Y-DISPL.F
           MIN UN=-.8992     IEQ=   151 NODE     76 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1771E+06 RIMNOR=0.1670E+07
           RENORM=0.7316     REMNOR=0.7942E-17 RATIO =0.2033E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 56.46     RMMAX = 176.3
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1771E+06 RDR   =0.1670E+07
           RATIOT=0.2033E-02 RATIOR= 0.000
           MAX UN=0.4615     IEQ=   131 NODE     66 DOF   1  Y-DISPL.F
           MIN UN=-.3975     IEQ=   151 NODE     76 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1771E+06 RIMNOR=0.1670E+07
           RENORM=0.3286E-04 REMNOR=0.5071E-17 RATIO =0.1362E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 56.46     RMMAX = 176.3
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1771E+06 RDR   =0.1670E+07
           RATIOT=0.1362E-04 RATIOR= 0.000
           MAX UN=0.1651E-07 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN=-.5732E-02 IEQ=   155 NODE     78 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

New Project
SOLUTION REACHED USING 5 ITERATIONS ON 40

P R I N T O U T F O R T I M E S T E P 6 (AT TIME 6.000) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

	Y-DISPL.F 02	X-ROT. F 04
1	1.0810035E-02	-9.7215341E-04
2	1.0615604E-02	-9.7215341E-04
3	1.0421174E-02	-9.7215182E-04
4	1.0226744E-02	-9.7214389E-04
5	1.0032317E-02	-9.7212167E-04
6	9.8378969E-03	-9.7207405E-04
7	9.6434900E-03	-9.7198676E-04
8	9.4491060E-03	-9.7184234E-04
9	9.2547582E-03	-9.7162014E-04
10	9.0604647E-03	-9.7129637E-04
11	8.8662483E-03	-9.7084405E-04
12	8.6721376E-03	-9.7023301E-04
13	8.4781679E-03	-9.6942994E-04
14	8.2843809E-03	-9.6839832E-04
15	8.0908264E-03	-9.6709849E-04
16	7.8975622E-03	-9.6548758E-04
17	7.7046552E-03	-9.6351957E-04
18	7.5121805E-03	-9.6114526E-04
19	7.3202267E-03	-9.5831228E-04
20	7.1288909E-03	-9.5496509E-04
21	6.9382798E-03	-9.5104495E-04
22	6.7591936E-03	-9.4648997E-04
23	6.5781915E-03	-9.4124765E-04
24	6.3902141E-03	-9.3527493E-04
25	6.2035091E-03	-9.2852572E-04
26	6.0182346E-03	-9.2095075E-04
27	5.8345595E-03	-9.1253542E-04
28	5.6526491E-03	-9.0330915E-04
29	5.4726616E-03	-8.9331511E-04
30	5.2947462E-03	-8.8260655E-04
31	5.1190382E-03	-8.7124135E-04
32	4.9456640E-03	-8.5927750E-04
33	4.7747378E-03	-8.4677120E-04
34	4.6063625E-03	-8.3377701E-04
35	4.4406304E-03	-8.2034781E-04
36	4.2776241E-03	-8.0653491E-04
37	4.1174139E-03	-7.9238780E-04
38	3.9600624E-03	-7.7795456E-04
39	3.8056223E-03	-7.6328166E-04
40	3.6541370E-03	-7.4841401E-04
41	3.5056410E-03	-7.3339502E-04
42	3.3601605E-03	-7.1826664E-04
43	3.2177139E-03	-7.0306943E-04
44	3.0783096E-03	-6.8784232E-04
45	2.9419506E-03	-6.7262310E-04
46	2.8086316E-03	-6.5744812E-04
47	2.6783402E-03	-6.4235245E-04
48	2.5510578E-03	-6.2736993E-04
49	2.4267573E-03	-6.1253294E-04
50	2.3054040E-03	-5.9787254E-04
51	2.1869714E-03	-5.8342031E-04
52	2.0714002E-03	-5.6920344E-04
53	1.9586465E-03	-5.5525056E-04
54	1.8486547E-03	-5.4158848E-04
55	1.7413640E-03	-5.2824295E-04
56	1.6367088E-03	-5.1523870E-04
57	1.5346183E-03	-5.0259947E-04
58	1.4350172E-03	-4.9034804E-04
59	1.3378258E-03	-4.7850623E-04
60	1.2429601E-03	-4.6709447E-04
61	1.1503322E-03	-4.5613084E-04
62	1.0598509E-03	-4.4563069E-04
63	9.7142215E-04	-4.3560668E-04
64	8.8494978E-04	-4.2606884E-04
65	8.0033571E-04	-4.1702465E-04
66	7.1748068E-04	-4.0847910E-04
67	6.3628466E-04	-4.0043472E-04
68	5.5664736E-04	-3.9289167E-04
69	4.7500309E-04	-3.8584659E-04
70	3.9844902E-04	-3.7932024E-04
71	3.2314458E-04	-3.7335725E-04
72	2.4897306E-04	-3.6799723E-04
73	1.7581032E-04	-3.6327489E-04
74	1.0352578E-04	-3.5921956E-04

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75   3.1983899E-05  -3.5585034E-04
76  -3.8952718E-05  -3.5316375E-04
77  -1.0941787E-04  -3.5112826E-04
78  -1.7953660E-04  -3.4968857E-04
79  -2.4942072E-04  -3.4876742E-04
80  -3.1916444E-04  -3.4826648E-04
81  -3.8884024E-04  -3.4806650E-04
82  -4.5849798E-04  -3.4802547E-04
```

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:44                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                      :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      6.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -1.0810E-02   0.000       0.000       6.080       3.040          ACTIVE   0.000     -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.3868     -1.0616E-02   3.800       1.934       9.880       4.940          ACTIVE   0.000     -0.5200       0.000
1.000       1.000       1.934       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D  0.7737     -1.0421E-02   7.600       3.868       13.68       6.840          ACTIVE   0.000     -0.7200       0.000
1.000       1.000       3.868       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.161     -1.0227E-02   11.40       5.803       17.48       8.740          ACTIVE   0.000     -0.9200       0.000
1.000       1.000       5.803       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.547     -1.0032E-02   15.20       7.737       21.28       10.64          ACTIVE   0.000      -1.120       0.000
1.000       1.000       7.737       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   1.934     -9.8379E-03   19.00       9.671       25.08       12.54          ACTIVE   0.000      -1.320       0.000
1.000       1.000       9.671       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.321     -9.6435E-03   22.80       11.61       28.88       14.44          ACTIVE   0.000      -1.520       0.000
1.000       1.000       11.61       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   2.708     -9.4491E-03   26.60       13.54       32.68       16.34          ACTIVE   0.000      -1.720       0.000
1.000       1.000       13.54       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.095     -9.2548E-03   30.40       15.47       36.48       18.24          ACTIVE   0.000      -1.920       0.000
1.000       1.000       15.47       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   3.482     -9.0605E-03   34.20       17.41       40.28       20.14          ACTIVE   0.000      -2.120       0.000
1.000       1.000       17.41       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   3.868     -8.8662E-03   38.00       19.34       44.08       22.04          ACTIVE   0.000      -2.320       0.000
1.000       1.000       19.34       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.255     -8.6721E-03   41.80       21.28       47.88       23.94          ACTIVE   0.000      -2.520       0.000
1.000       1.000       21.28       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   4.642     -8.4782E-03   45.60       23.21       51.68       25.84          ACTIVE   0.000      -2.720       0.000
1.000       1.000       23.21       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.029     -8.2844E-03   49.40       25.14       55.48       27.74          ACTIVE   0.000      -2.920       0.000
1.000       1.000       25.14       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.416     -8.0908E-03   53.20       27.08       59.28       29.64          ACTIVE   0.000      -3.120       0.000
1.000       1.000       27.08       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   5.803     -7.8976E-03   57.00       29.01       63.08       31.54          ACTIVE   0.000      -3.320       0.000
1.000       1.000       29.01       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.189     -7.7047E-03   60.80       30.95       66.88       33.44          ACTIVE   0.000      -3.520       0.000
1.000       1.000       30.95       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   6.576     -7.5122E-03   64.60       32.88       70.68       35.34          ACTIVE   0.000      -3.720       0.000
1.000       1.000       32.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   6.963     -7.3202E-03   68.40       34.82       74.48       37.24          ACTIVE   0.000      -3.920       0.000
1.000       1.000       34.82       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.350     -7.1289E-03   72.20       36.75       78.28       39.14          ACTIVE   0.000      -4.120       0.000
1.000       1.000       36.75       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   7.737     -6.9383E-03   76.00       38.68       82.08       41.04          ACTIVE   0.000      -4.320       0.000
1.000       1.000       38.68       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   5.060     -6.7592E-03   79.80       25.30       84.10       42.05          ACTIVE   0.000      -4.520       0.000
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1.000       1.000       25.30       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   5.434     -6.5782E-03   83.60       27.17       85.93       42.97         ACTIVE   0.000      -4.720       0.000
1.000       1.000       27.17       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   5.809     -6.3902E-03   87.40       29.05       87.76       43.88         ACTIVE   0.000      -4.920       0.000
1.000       1.000       29.05       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   6.184     -6.2035E-03   91.20       30.92       91.20       44.79         ACTIVE   0.000      -5.120       0.000
1.000       1.000       30.92       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   6.638     -6.0182E-03   94.21       32.40       94.21       45.70         ACTIVE   0.000      -5.320       0.7855
1.000       1.000       33.19       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   7.212     -5.8346E-03   96.05       33.31       96.05       46.62         ACTIVE   0.000      -5.520       2.752
1.000       1.000       36.06       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   7.786     -5.6526E-03   97.88       34.21       97.88       47.53         ACTIVE   0.000      -5.720       4.718
1.000       1.000       38.93       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   8.360     -5.4727E-03   99.72       35.12       99.72       48.44         ACTIVE   0.000      -5.920       6.684
1.000       1.000       41.80       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   8.934     -5.2947E-03   101.5       36.02       101.5       49.36         ACTIVE   0.000      -6.120       8.650
1.000       1.000       44.67       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   9.508     -5.1190E-03   103.4       36.93       103.4       50.27         ACTIVE   0.000      -6.320       10.62
1.000       1.000       47.54       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   10.08     -4.9457E-03   105.2       37.83       105.2       51.18         ACTIVE   0.000      -6.520       12.58
1.000       1.000       50.41       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   10.66     -4.7747E-03   107.1       38.73       107.1       52.10         ACTIVE   0.000      -6.720       14.55
1.000       1.000       53.28       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   11.23     -4.6064E-03   108.9       39.64       108.9       53.01         ACTIVE   0.000      -6.920       16.52
1.000       1.000       56.15       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   11.80     -4.4406E-03   110.7       40.54       110.7       53.92         ACTIVE   0.000      -7.120       18.48
1.000       1.000       59.02       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   12.38     -4.2776E-03   112.6       41.45       112.6       54.83         ACTIVE   0.000      -7.320       20.45
1.000       1.000       61.89       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   12.95     -4.1174E-03   114.4       42.35       114.4       55.75         ACTIVE   0.000      -7.520       22.41
1.000       1.000       64.76       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   13.53     -3.9601E-03   116.2       43.25       116.2       56.66         ACTIVE   0.000      -7.720       24.38
1.000       1.000       67.63       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   14.10     -3.8056E-03   118.1       44.16       118.1       57.57         ACTIVE   0.000      -7.920       26.35
1.000       1.000       70.50       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   14.67     -3.6541E-03   119.9       45.06       119.9       58.49         ACTIVE   0.000      -8.120       28.31
1.000       1.000       73.37       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   15.25     -3.5056E-03   121.7       45.97       121.7       59.40         ACTIVE   0.000      -8.320       30.28
1.000       1.000       76.24       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   15.82     -3.3602E-03   123.6       46.87       123.6       60.31         ACTIVE   0.000      -8.520       32.25
1.000       1.000       79.11       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   16.40     -3.2177E-03   125.4       47.77       125.4       61.23         ACTIVE   0.000      -8.720       34.21
1.000       1.000       81.99       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   16.97     -3.0783E-03   127.2       48.68       127.2       62.14         ACTIVE   0.000      -8.920       36.18
1.000       1.000       84.86       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   17.55     -2.9420E-03   129.1       49.58       129.1       63.05         ACTIVE   0.000      -9.120       38.14
1.000       1.000       87.73       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   18.12     -2.8086E-03   130.9       50.49       130.9       63.96         ACTIVE   0.000      -9.320       40.11
1.000       1.000       90.60       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   18.69     -2.6783E-03   132.7       51.39       132.7       64.88         ACTIVE   0.000      -9.520       42.08
1.000       1.000       93.47       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   19.27     -2.5511E-03   134.6       52.29       134.6       65.79         ACTIVE   0.000      -9.720       44.04
1.000       1.000       96.34       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   19.84     -2.4268E-03   136.4       53.20       136.4       66.70         ACTIVE   0.000      -9.920       46.01
1.000       1.000       99.21       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   20.42     -2.3054E-03   138.2       54.10       138.2       67.62         ACTIVE   0.000      -10.12       47.98
1.000       1.000       102.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   20.99     -2.1870E-03   140.1       55.01       140.1       68.53         ACTIVE   0.000      -10.32       49.94
1.000       1.000       104.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   21.56     -2.0714E-03   141.9       55.91       141.9       69.44         ACTIVE   0.000      -10.52       51.91
1.000       1.000       107.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   22.14     -1.9586E-03   143.7       56.81       143.7       70.36          ACTIVE   0.000      -10.72       53.87
1.000       1.000       110.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   22.71     -1.8487E-03   145.6       57.72       145.6       71.27          ACTIVE   0.000      -10.92       55.84
1.000       1.000       113.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   23.29     -1.7414E-03   147.4       58.62       147.4       72.18          ACTIVE   0.000      -11.12       57.81
1.000       1.000       116.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   23.86     -1.6367E-03   149.2       59.53       149.2       73.09          ACTIVE   0.000      -11.32       59.77
1.000       1.000       119.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   24.43     -1.5346E-03   151.1       60.43       151.1       74.01          ACTIVE   0.000      -11.52       61.74
1.000       1.000       122.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   25.01     -1.4350E-03   152.9       61.33       152.9       74.92          ACTIVE   0.000      -11.72       63.70
1.000       1.000       125.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   25.58     -1.3378E-03   154.7       62.24       154.7       75.83          ACTIVE   0.000      -11.92       65.67
1.000       1.000       127.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   26.16     -1.2430E-03   156.6       63.14       156.6       76.75          ACTIVE   0.000      -12.12       67.64
1.000       1.000       130.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   26.73     -1.1503E-03   158.4       64.05       158.4       77.66          ACTIVE   0.000      -12.32       69.60
1.000       1.000       133.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   27.30     -1.0599E-03   160.2       64.95       160.2       78.57          ACTIVE   0.000      -12.52       71.57
1.000       1.000       136.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   27.88     -9.7142E-04   162.1       65.85       162.1       79.49          ACTIVE   0.000      -12.72       73.54
1.000       1.000       139.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   28.45     -8.8495E-04   163.9       66.76       163.9       80.40          ACTIVE   0.000      -12.92       75.50
1.000       1.000       142.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   29.03     -8.0034E-04   165.7       67.66       165.7       81.31          ACTIVE   0.000      -13.12       77.47
1.000       1.000       145.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   29.60     -7.1748E-04   167.6       68.57       167.6       82.22          ACTIVE   0.000      -13.32       79.43
1.000       1.000       148.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   30.17     -6.3628E-04   169.4       69.47       169.4       83.14          ACTIVE   0.000      -13.52       81.40
1.000       1.000       150.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   31.03     -5.5665E-04   171.2       71.77       171.2       84.05           UL-RL  2.1891E+04  -13.72       83.37
1.000       1.000       155.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   30.63     -4.7500E-04   173.1       67.80       173.1       84.97          ACTIVE   0.000      -13.92       85.33
1.000       1.000       153.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   31.21     -3.9845E-04   175.1       68.76       175.1       85.99          ACTIVE   0.000      -14.12       87.30
1.000       1.000       156.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   31.80     -3.2314E-04   177.2       69.71       177.2       87.00          ACTIVE   0.000      -14.32       89.27
1.000       1.000       159.0       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   32.38     -2.4897E-04   179.2       70.67       179.2       88.01          ACTIVE   0.000      -14.52       91.23
1.000       1.000       161.9       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   32.97     -1.7581E-04   181.2       71.63       181.2       89.03          ACTIVE   0.000      -14.72       93.20
1.000       1.000       164.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   33.55     -1.0353E-04   183.3       72.59       183.3       90.04          ACTIVE   0.000      -14.92       95.16
1.000       1.000       167.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   36.12     -3.1984E-05   185.3       83.48       185.3       91.05           UL-RL  1.4879E+05  -15.12       97.13
1.000       1.000       180.6       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   38.08      3.8953E-05   187.3       91.30       187.3       94.31           UL-RL  1.4879E+05  -15.32       99.10
1.000       1.000       190.4       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   39.63      1.0942E-04   189.4       97.07       189.4       98.56           UL-RL  1.4879E+05  -15.52       101.1
1.000       1.000       198.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   41.16      1.7954E-04   191.4       102.8       191.4       102.8            V-C  4.9597E+04  -15.72       103.0
1.000       1.000       205.8       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   42.52      2.4942E-04   193.4       107.6       193.4       107.6            V-C  4.9597E+04  -15.92       105.0
1.000       1.000       212.6       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   44.04      3.1916E-04   195.5       113.2       195.5       113.2            V-C  4.9597E+04  -16.12       107.0
1.000       1.000       220.2       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   45.82      3.8884E-04   197.5       120.2       197.5       120.2            V-C  4.9597E+04  -16.32       108.9
1.000       1.000       229.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   23.61      4.5850E-04   199.5       125.2       199.5       125.2            V-C  4.9597E+04  -16.52       110.9
1.000       1.000       236.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:44                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      6.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1     0.000         --          --          --          --          --         REMOVED     --      -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --         REMOVED     --      -0.5200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --         REMOVED     --      -0.7200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --         REMOVED     --      -0.9200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --         REMOVED     --       -1.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --         REMOVED     --       -1.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --         REMOVED     --       -1.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --         REMOVED     --       -1.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --         REMOVED     --       -1.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --         REMOVED     --       -2.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --         REMOVED     --       -2.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --         REMOVED     --       -2.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --         REMOVED     --       -2.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --         REMOVED     --       -2.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --         REMOVED     --       -3.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --         REMOVED     --       -3.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --         REMOVED     --       -3.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --         REMOVED     --       -3.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --         REMOVED     --       -3.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --         REMOVED     --       -4.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --         REMOVED     --       -4.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --         REMOVED     --       -4.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --         REMOVED     --       -4.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  24     0.000         --          --          --          --          --         REMOVED     --       -4.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  25     0.000         --          --          --          --          --         REMOVED     --       -5.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  26 D   9.257      6.0182E-03   3.040       46.29       94.32       51.63        PASSIVE   0.000      -5.320       0.000
1.000       1.000       46.29       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   11.76      5.8346E-03   6.840       58.79       96.10       58.79        PASSIVE   0.000      -5.520       0.000
1.000       1.000       58.79       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   13.77      5.6526E-03   9.568       67.77       97.87       67.77        PASSIVE   0.000      -5.720       1.072
1.000       1.000       68.84       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   15.34      5.4727E-03   11.33       73.58       99.64       73.58        PASSIVE   0.000      -5.920       3.105
1.000       1.000       76.69       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   16.10      5.2947E-03   13.10       75.34       101.4       75.34             V-C   5923.      -6.120       5.139
1.000       1.000       80.48       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
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0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   16.46      5.1190E-03   14.87       75.14       103.2       75.14            V-C   5923.      -6.320       7.173
1.000       1.000       82.32       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   16.83      4.9457E-03   16.63       74.95       105.0       74.95            V-C   5923.      -6.520       9.207
1.000       1.000       84.16       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   17.20      4.7747E-03   18.40       74.77       106.7       74.77            V-C   5923.      -6.720       11.24
1.000       1.000       86.01       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   17.57      4.6064E-03   20.17       74.60       108.5       74.60            V-C   5923.      -6.920       13.27
1.000       1.000       87.87       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   17.95      4.4406E-03   21.93       74.44       110.3       74.44            V-C   5923.      -7.120       15.31
1.000       1.000       89.75       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   18.33      4.2776E-03   23.70       74.30       112.1       74.30            V-C   5923.      -7.320       17.34
1.000       1.000       91.64       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   18.71      4.1174E-03   25.46       74.17       113.8       74.17            V-C   5923.      -7.520       19.38
1.000       1.000       93.55       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   19.09      3.9601E-03   27.23       74.06       115.6       74.06            V-C   5923.      -7.720       21.41
1.000       1.000       95.47       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   19.48      3.8056E-03   29.00       73.97       117.4       73.97            V-C   5923.      -7.920       23.44
1.000       1.000       97.41       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   19.87      3.6541E-03   30.76       73.90       119.2       73.90            V-C   5923.      -8.120       25.48
1.000       1.000       99.37       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   20.27      3.5056E-03   32.53       73.84       120.9       73.84            V-C   5923.      -8.320       27.51
1.000       1.000       101.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   20.67      3.3602E-03   34.30       73.81       122.7       73.81            V-C   5923.      -8.520       29.54
1.000       1.000       103.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   21.08      3.2177E-03   36.06       73.80       124.5       73.80            V-C   5923.      -8.720       31.58
1.000       1.000       105.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   21.48      3.0783E-03   37.83       73.81       126.3       73.81            V-C   5923.      -8.920       33.61
1.000       1.000       107.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   21.90      2.9420E-03   39.59       73.83       128.0       73.83            V-C   5923.      -9.120       35.65
1.000       1.000       109.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   22.31      2.8086E-03   41.36       73.88       129.8       73.88            V-C   5923.      -9.320       37.68
1.000       1.000       111.6       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   22.73      2.6783E-03   43.13       73.95       131.6       73.95            V-C   5923.      -9.520       39.71
1.000       1.000       113.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   23.16      2.5511E-03   44.89       74.04       133.3       74.04            V-C   5923.      -9.720       41.75
1.000       1.000       115.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   23.59      2.4268E-03   46.66       74.15       135.1       74.15            V-C   5923.      -9.920       43.78
1.000       1.000       117.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   24.02      2.3054E-03   48.43       74.28       136.9       74.28            V-C   5923.      -10.12       45.81
1.000       1.000       120.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   24.46      2.1870E-03   50.19       74.43       138.7       74.43            V-C   5923.      -10.32       47.85
1.000       1.000       122.3       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   24.90      2.0714E-03   51.96       74.60       140.4       74.60            V-C   5923.      -10.52       49.88
1.000       1.000       124.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  53 D   25.34      1.9586E-03   53.72       74.78       142.2       74.78            V-C   5923.      -10.72       51.92
1.000       1.000       126.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   25.79      1.8487E-03   55.49       74.99       144.0       74.99            V-C   5923.      -10.92       53.95
1.000       1.000       128.9       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   26.24      1.7414E-03   57.26       75.21       145.8       75.21            V-C   5923.      -11.12       55.98
1.000       1.000       131.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   26.69      1.6367E-03   59.02       75.45       147.5       75.45            V-C   5923.      -11.32       58.02
1.000       1.000       133.5       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   27.15      1.5346E-03   60.79       75.70       149.3       75.70            V-C   5923.      -11.52       60.05
1.000       1.000       135.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   27.61      1.4350E-03   62.56       75.97       151.1       75.97            V-C   5923.      -11.72       62.08
1.000       1.000       138.1       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   27.96      1.3378E-03   64.32       75.66       152.9       76.56          UL-RL  1.7770E+04  -11.92       64.12
1.000       1.000       139.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   28.19      1.2430E-03   66.09       74.80       154.6       77.44          UL-RL  1.7770E+04  -12.12       66.15
1.000       1.000       141.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   28.43      1.1503E-03   67.85       73.98       156.4       78.32          UL-RL  1.7770E+04  -12.32       68.19
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1.000       1.000       142.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   28.69      1.0599E-03   69.62       73.21       158.2       79.20          UL-RL  1.7770E+04  -12.52       70.22
1.000       1.000       143.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   28.94      9.7142E-04   71.39       72.47       160.0       80.09          UL-RL  1.7770E+04  -12.72       72.25
1.000       1.000       144.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   29.21      8.8495E-04   73.15       71.76       161.7       80.97          UL-RL  1.7770E+04  -12.92       74.29
1.000       1.000       146.0       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   29.48      8.0034E-04   74.92       71.09       163.5       81.85          UL-RL  1.7770E+04  -13.12       76.32
1.000       1.000       147.4       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   29.76      7.1748E-04   76.69       70.46       165.3       82.73          UL-RL  1.7770E+04  -13.32       78.35
1.000       1.000       148.8       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   30.05      6.3628E-04   78.45       69.85       167.1       83.61          UL-RL  1.7770E+04  -13.52       80.39
1.000       1.000       150.2       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   30.34      5.5665E-04   80.22       69.27       168.8       84.49          UL-RL  1.7770E+04  -13.72       82.42
1.000       1.000       151.7       0.000       0.000       10.00       10.00     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   36.37      4.7500E-04   82.00       97.41       170.6       97.41           V-C  3.8732E+04  -13.92       84.46
1.000       1.000       181.9       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   36.34      3.9845E-04   83.97       95.22       172.6       95.22           V-C  3.8732E+04  -14.12       86.49
1.000       1.000       181.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   36.32      3.2314E-04   85.94       93.09       174.6       93.09           V-C  3.8732E+04  -14.32       88.52
1.000       1.000       181.6       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   36.31      2.4897E-04   87.90       91.01       176.5       91.01           V-C  3.8732E+04  -14.52       90.56
1.000       1.000       181.6       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   36.18      1.7581E-04   89.87       88.30       178.5       89.31          UL-RL  1.1619E+05  -14.72       92.59
1.000       1.000       180.9       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   34.99      1.0353E-04   91.84       80.35       180.5       90.29          UL-RL  1.1619E+05  -14.92       94.62
1.000       1.000       175.0       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   33.83      3.1984E-05   93.80       72.50       182.5       91.27          UL-RL  1.1619E+05  -15.12       96.66
1.000       1.000       169.2       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   32.68     -3.8953E-05   95.77       64.72       184.4       92.25          UL-RL  1.1619E+05  -15.32       98.69
1.000       1.000       163.4       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   31.55     -1.0942E-04   97.73       57.01       186.4       93.23          UL-RL  1.1619E+05  -15.52       100.7
1.000       1.000       157.7       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   30.42     -1.7954E-04   99.70       49.34       188.4       94.22          UL-RL  1.1619E+05  -15.72       102.8
1.000       1.000       152.1       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   29.30     -2.4942E-04   101.7       41.71       190.4       95.20          UL-RL  1.1619E+05  -15.92       104.8
1.000       1.000       146.5       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   28.18     -3.1916E-04   103.6       34.09       192.3       96.18          UL-RL  1.1619E+05  -16.12       106.8
1.000       1.000       140.9       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   27.07     -3.8884E-04   105.6       26.48       194.3       97.16          UL-RL  1.1619E+05  -16.32       108.9
1.000       1.000       135.3       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   13.62     -4.5850E-04   107.6       25.27       196.3       98.14         ACTIVE   0.000      -16.52       110.9
1.000       1.000       136.2       0.000       0.000       10.00       10.00     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
```

ELEMENT GROUP NO. 2

```
0_R                                                    :
   5  82   0   1   0   0   0   0   0   0   0   0   0   0   3   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................
```

element group behaviour throughout stage analysis

stage	status
1	active
2	active
3	active
4	active
5	active
6	active
7	active

material set no. 1

prop(1) angle 180.000
prop(2) layer as foreseen 1.00000

material set no. 2

prop(1) angle 180.000
prop(2) layer as foreseen 2.00000

material set no. 3

prop(1) angle 180.000
prop(2) layer as foreseen 3.00000

element data

el	n	mat	area	.....	.....	.....	flag
1	1	1	0.1000	0.000	0.000	0.000	2.000
2	2	1	0.2000	0.000	0.000	0.000	2.000
3	3	1	0.2000	0.000	0.000	0.000	2.000
4	4	1	0.2000	0.000	0.000	0.000	2.000
5	5	1	0.2000	0.000	0.000	0.000	2.000
6	6	1	0.2000	0.000	0.000	0.000	2.000
7	7	1	0.2000	0.000	0.000	0.000	2.000
8	8	1	0.2000	0.000	0.000	0.000	2.000
9	9	1	0.2000	0.000	0.000	0.000	2.000
10	10	1	0.2000	0.000	0.000	0.000	2.000
11	11	1	0.2000	0.000	0.000	0.000	2.000
12	12	1	0.2000	0.000	0.000	0.000	2.000
13	13	1	0.2000	0.000	0.000	0.000	2.000
14	14	1	0.2000	0.000	0.000	0.000	2.000
15	15	1	0.2000	0.000	0.000	0.000	2.000
16	16	1	0.2000	0.000	0.000	0.000	2.000
17	17	1	0.2000	0.000	0.000	0.000	2.000
18	18	1	0.2000	0.000	0.000	0.000	2.000
19	19	1	0.2000	0.000	0.000	0.000	2.000
20	20	1	0.2000	0.000	0.000	0.000	2.000
21	21	1	0.2000	0.000	0.000	0.000	2.000
22	22	2	0.2000	0.000	0.000	0.000	2.000
23	23	2	0.2000	0.000	0.000	0.000	2.000
24	24	2	0.2000	0.000	0.000	0.000	2.000
25	25	2	0.2000	0.000	0.000	0.000	2.000
26	26	2	0.2000	0.000	0.000	0.000	2.000
27	27	2	0.2000	0.000	0.000	0.000	2.000
28	28	2	0.2000	0.000	0.000	0.000	2.000
29	29	2	0.2000	0.000	0.000	0.000	2.000
30	30	2	0.2000	0.000	0.000	0.000	2.000
31	31	2	0.2000	0.000	0.000	0.000	2.000
32	32	2	0.2000	0.000	0.000	0.000	2.000
33	33	2	0.2000	0.000	0.000	0.000	2.000
34	34	2	0.2000	0.000	0.000	0.000	2.000
35	35	2	0.2000	0.000	0.000	0.000	2.000
36	36	2	0.2000	0.000	0.000	0.000	2.000
37	37	2	0.2000	0.000	0.000	0.000	2.000
38	38	2	0.2000	0.000	0.000	0.000	2.000
39	39	2	0.2000	0.000	0.000	0.000	2.000
40	40	2	0.2000	0.000	0.000	0.000	2.000

41	41	2	0.2000	0.000	0.000	0.000	2.000
42	42	2	0.2000	0.000	0.000	0.000	2.000
43	43	2	0.2000	0.000	0.000	0.000	2.000
44	44	2	0.2000	0.000	0.000	0.000	2.000
45	45	2	0.2000	0.000	0.000	0.000	2.000
46	46	2	0.2000	0.000	0.000	0.000	2.000
47	47	2	0.2000	0.000	0.000	0.000	2.000
48	48	2	0.2000	0.000	0.000	0.000	2.000
49	49	2	0.2000	0.000	0.000	0.000	2.000
50	50	2	0.2000	0.000	0.000	0.000	2.000
51	51	2	0.2000	0.000	0.000	0.000	2.000
52	52	2	0.2000	0.000	0.000	0.000	2.000
53	53	2	0.2000	0.000	0.000	0.000	2.000
54	54	2	0.2000	0.000	0.000	0.000	2.000
55	55	2	0.2000	0.000	0.000	0.000	2.000
56	56	2	0.2000	0.000	0.000	0.000	2.000
57	57	2	0.2000	0.000	0.000	0.000	2.000
58	58	2	0.2000	0.000	0.000	0.000	2.000
59	59	2	0.2000	0.000	0.000	0.000	2.000
60	60	2	0.2000	0.000	0.000	0.000	2.000
61	61	2	0.2000	0.000	0.000	0.000	2.000
62	62	2	0.2000	0.000	0.000	0.000	2.000
63	63	2	0.2000	0.000	0.000	0.000	2.000
64	64	2	0.2000	0.000	0.000	0.000	2.000
65	65	2	0.2000	0.000	0.000	0.000	2.000
66	66	2	0.2000	0.000	0.000	0.000	2.000
67	67	2	0.2000	0.000	0.000	0.000	2.000
68	68	2	0.2000	0.000	0.000	0.000	2.000
69	69	3	0.2000	0.000	0.000	0.000	2.000
70	70	3	0.2000	0.000	0.000	0.000	2.000
71	71	3	0.2000	0.000	0.000	0.000	2.000
72	72	3	0.2000	0.000	0.000	0.000	2.000
73	73	3	0.2000	0.000	0.000	0.000	2.000
74	74	3	0.2000	0.000	0.000	0.000	2.000
75	75	3	0.2000	0.000	0.000	0.000	2.000
76	76	3	0.2000	0.000	0.000	0.000	2.000
77	77	3	0.2000	0.000	0.000	0.000	2.000
78	78	3	0.2000	0.000	0.000	0.000	2.000
79	79	3	0.2000	0.000	0.000	0.000	2.000
80	80	3	0.2000	0.000	0.000	0.000	2.000
81	81	3	0.2000	0.000	0.000	0.000	2.000
82	82	3	0.1000	0.000	0.000	0.000	2.000

ELEMENT GROUP NO. 3

WallElement_23099   :
   2 81   0   1   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
....
.....2D WALL ELEMENT.....
....

element group behaviour throughout stage analysis

stage	status
1	inactive
2	inactive
3	active
4	active
5	active
6	active
7	active

material set no. 1

prop(1) young modulus 0.333500E+08
prop(2) modification time 0.00000
prop(3) new young modulus 0.00000
prop(4) poisson ratio 0.00000
prop(5) future 0.00000

no. of step variable items: 1

step	inertia multipier
1	1.000
2	1.000
3	1.000
4	1.000
5	1.000
6	1.000
7	1.000

element data

el	na	nb	mat	erc1	erc2	thick	area	inertia	wgt(-z)	by-i	by-j
1	1	2	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
2	2	3	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
3	3	4	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
4	4	5	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
5	5	6	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
6	6	7	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
7	7	8	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
8	8	9	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
9	9	10	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
10	10	11	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
11	11	12	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
12	12	13	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
13	13	14	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
14	14	15	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
15	15	16	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
16	16	17	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
17	17	18	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
18	18	19	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
19	19	20	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
20	20	21	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
21	21	22	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
22	22	23	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
23	23	24	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
24	24	25	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
25	25	26	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
26	26	27	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
27	27	28	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
28	28	29	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
29	29	30	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
30	30	31	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
31	31	32	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
32	32	33	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
33	33	34	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
34	34	35	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
35	35	36	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
36	36	37	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
37	37	38	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
38	38	39	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
39	39	40	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000

40	40	41	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
41	41	42	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
42	42	43	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
43	43	44	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
44	44	45	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
45	45	46	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
46	46	47	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
47	47	48	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
48	48	49	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
49	49	50	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
50	50	51	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
51	51	52	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
52	52	53	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
53	53	54	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
54	54	55	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
55	55	56	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
56	56	57	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
57	57	58	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
58	58	59	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
59	59	60	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
60	60	61	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
61	61	62	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
62	62	63	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
63	63	64	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
64	64	65	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
65	65	66	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
66	66	67	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
67	67	68	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
68	68	69	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
69	69	70	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
70	70	71	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
71	71	72	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
72	72	73	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
73	73	74	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
74	74	75	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
75	75	76	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
76	76	77	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
77	77	78	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
78	78	79	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
79	79	80	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
80	80	81	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
81	81	82	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*           |
|                                                                                                                   |
|                                                ParatiePlus                                                        |
|                                  Exe Time :28 January 2022   10:29:47                                             |
+-------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................   14
MAXIMUM POINTS/LCURVE (NPTM)...................    5
```

L O A D D A T A

LOAD FUNCTION NUMBER = 1
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
0.80000	0.0000E+00
1.00000	0.1000E+01
1.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 2
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
1.80000	0.0000E+00
2.00000	0.1000E+01
2.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 3
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
2.80000	0.0000E+00
3.00000	0.1000E+01
3.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 4
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
3.80000	0.0000E+00
4.00000	0.1000E+01
4.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 5
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
4.80000	0.0000E+00
5.00000	0.1000E+01
5.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 6
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
5.80000	0.0000E+00
6.00000	0.1000E+01
6.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 7

NUMBER OF TIME POINTS =   5

TIME VALUE   FUNCTION

   0.00000   0.0000E+00
   6.80000   0.0000E+00
   7.00000   0.1000E+01
   7.20000   0.0000E+00
   8.00000   0.0000E+00

LOAD FUNCTION NUMBER   =   8
NUMBER OF TIME POINTS =   4

TIME VALUE   FUNCTION

   0.00000   0.0000E+00
   0.80000   0.0000E+00
   1.00000   0.1000E+01
   8.00000   0.1000E+01

LOAD FUNCTION NUMBER   =   9
NUMBER OF TIME POINTS =   4

TIME VALUE   FUNCTION

   0.00000   0.0000E+00
   1.80000   0.0000E+00
   2.00000   0.1000E+01
   8.00000   0.1000E+01

LOAD FUNCTION NUMBER   =   10
NUMBER OF TIME POINTS =   4

TIME VALUE   FUNCTION

   0.00000   0.0000E+00
   2.80000   0.0000E+00
   3.00000   0.1000E+01
   8.00000   0.1000E+01

LOAD FUNCTION NUMBER   =   11
NUMBER OF TIME POINTS =   4

TIME VALUE   FUNCTION

   0.00000   0.0000E+00
   3.80000   0.0000E+00
   4.00000   0.1000E+01
   8.00000   0.1000E+01

LOAD FUNCTION NUMBER   =   12
NUMBER OF TIME POINTS =   4

TIME VALUE   FUNCTION

   0.00000   0.0000E+00
   4.80000   0.0000E+00
   5.00000   0.1000E+01
   8.00000   0.1000E+01

LOAD FUNCTION NUMBER   =   13
NUMBER OF TIME POINTS =   4

TIME VALUE   FUNCTION

   0.00000   0.0000E+00
   5.80000   0.0000E+00
   6.00000   0.1000E+01
   8.00000   0.1000E+01

LOAD FUNCTION NUMBER   =   14
NUMBER OF TIME POINTS =   4

TIME VALUE   FUNCTION

   0.00000   0.0000E+00
   6.80000   0.0000E+00
   7.00000   0.1000E+01

8.00000 0.1000E+01

PROCESSING DISTRIBUTED LOADS CARD NO. 1
AT Y-COORD 0.000 Z-COORD -5.160 PRESSURE 2.883
Z-COORD -.3200 PRESSURE 2.883
L.CURVE 7

NO. OF GENERATED NODAL FORCES 25

NODE	Z-LVL	FORCE /	NODE	Z-LVL	FORCE /	NODE	Z-LVL	FORCE /
25	-.5120E+01	0.3471613E+00 /	24	-.4920E+01	0.5790011E+00 /	23	-.4720E+01	0.5790026E+00 /
22	-.4520E+01	0.5790026E+00 /	21	-.4320E+01	0.5790026E+00 /	20	-.4120E+01	0.5790011E+00 /
19	-.3920E+01	0.5790011E+00 /	18	-.3720E+01	0.5790040E+00 /	17	-.3520E+01	0.5790040E+00 /
16	-.3320E+01	0.5790026E+00 /	15	-.3120E+01	0.5790026E+00 /	14	-.2920E+01	0.5790026E+00 /
13	-.2720E+01	0.5790026E+00 /	12	-.2520E+01	0.5790026E+00 /	11	-.2320E+01	0.5790026E+00 /
10	-.2120E+01	0.5790026E+00 /	9	-.1920E+01	0.5790026E+00 /	8	-.1720E+01	0.5790026E+00 /
7	-.1520E+01	0.5790026E+00 /	6	-.1320E+01	0.5790026E+00 /	5	-.1120E+01	0.5790026E+00 /
4	-.9200E+00	0.5790026E+00 /	3	-.7200E+00	0.5790026E+00 /	2	-.5200E+00	0.5790026E+00 /
1	-.3200E+00	0.2895013E+00 /						

OVERALL APPLIED Y FORCE FOR CURRENT DISTRIBUTED LOAD 13.954

PROCESSING DISTRIBUTED LOADS CARD NO. 2
AT Y-COORD 0.000 Z-COORD -5.160 PRESSURE 2.172
Z-COORD -.3200 PRESSURE 2.172
L.CURVE 7

NO. OF GENERATED NODAL FORCES 25

NODE	Z-LVL	FORCE /	NODE	Z-LVL	FORCE /	NODE	Z-LVL	FORCE /
25	-.5120E+01	0.2615450E+00 /	24	-.4920E+01	0.4362090E+00 /	23	-.4720E+01	0.4362100E+00 /
22	-.4520E+01	0.4362100E+00 /	21	-.4320E+01	0.4362100E+00 /	20	-.4120E+01	0.4362090E+00 /
19	-.3920E+01	0.4362090E+00 /	18	-.3720E+01	0.4362111E+00 /	17	-.3520E+01	0.4362111E+00 /
16	-.3320E+01	0.4362100E+00 /	15	-.3120E+01	0.4362100E+00 /	14	-.2920E+01	0.4362100E+00 /
13	-.2720E+01	0.4362100E+00 /	12	-.2520E+01	0.4362100E+00 /	11	-.2320E+01	0.4362100E+00 /
10	-.2120E+01	0.4362100E+00 /	9	-.1920E+01	0.4362100E+00 /	8	-.1720E+01	0.4362100E+00 /
7	-.1520E+01	0.4362100E+00 /	6	-.1320E+01	0.4362100E+00 /	5	-.1120E+01	0.4362100E+00 /
4	-.9200E+00	0.4362100E+00 /	3	-.7200E+00	0.4362100E+00 /	2	-.5200E+00	0.4362100E+00 /
1	-.3200E+00	0.2181050E+00 /						

OVERALL APPLIED Y FORCE FOR CURRENT DISTRIBUTED LOAD 10.512

NO. OF DISTRIBUTED LOAD CARDS 2

L O A D B A L A N C E

STEP 1 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 0.0000000
STEP 1 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

STEP 2 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 0.0000000
STEP 2 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

STEP 3 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 0.0000000
STEP 3 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

STEP 4 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 0.0000000
STEP 4 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

STEP 5 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 0.0000000
STEP 5 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

STEP 6 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 0.0000000
STEP 6 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

STEP 7 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 24.466200
STEP 7 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

LOAD INPUT SECTION COMPLETED

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                 Exe Time :28 January 2022   10:29:47                                                  |
+-----------------------------------------------------------------------------------------------------------------------+


NO. OF LAYERS ..............................    3
NO. OF DATA PER LAYER.......................  160
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LAYER DESCRIPTORS FOR STEP NO. 1

NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 1 FOR STEP NO. 1

ITEM NO. 1<NAME >= 18.000 (BOTH WALLS)
ITEM NO. 2<NATURE >= 1.0000 (BOTH WALLS)
ITEM NO. 3<LEVEL >= 0.0000 (BOTH WALLS)
ITEM NO. 4<WALL >= 1.0000 (BOTH WALLS)
ITEM NO. 5<GAMMAD >= 19.000 (BOTH WALLS)
ITEM NO. 6<GAMMAB >= 9.0000 (BOTH WALLS)
ITEM NO. 7<GAMMAW >= 10.000 (BOTH WALLS)
ITEM NO. 9<U-FRICT >= 14.571 WALL NO. 1
ITEM NO. 9<U-FRICT >= 18.000 WALL NO. 2
ITEM NO. 10<U-KA >= 0.93700 WALL NO. 1
ITEM NO. 11<U-KP >= 0.95500 WALL NO. 1
ITEM NO. 12<K0-NC >= 0.50000 (BOTH WALLS)
ITEM NO. 13<NEXP >= 0.50000 (BOTH WALLS)
ITEM NO. 14<OCR >= 1.0000 (BOTH WALLS)
ITEM NO. 16<MODEL >= 1.0000 (BOTH WALLS)
ITEM NO. 17<EVC >= 30000. (BOTH WALLS)
ITEM NO. 18<EUR >= 90000. (BOTH WALLS)
ITEM NO. 27<U-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 58<U-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 60<U-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 61<U-TZALPH>= 0.50000 (BOTH WALLS)
ITEM NO. 82<D-NATURE>= 1.0000 (BOTH WALLS)
ITEM NO. 83<D-LEVEL >= 0.0000 (BOTH WALLS)
ITEM NO. 89<D-FRICT >= 14.571 WALL NO. 1
ITEM NO. 89<D-FRICT >= 18.000 WALL NO. 2
ITEM NO. 90<D-KA >= 0.44600 WALL NO. 1
ITEM NO. 91<D-KP >= 0.95900 WALL NO. 1
ITEM NO. 107<D-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138<D-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 140<D-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 141<D-TZALPH>= 0.50000 (BOTH WALLS)

NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 2 FOR STEP NO. 1

ITEM NO. 1<NAME >= 19.000 (BOTH WALLS)
ITEM NO. 2<NATURE >= 1.0000 (BOTH WALLS)
ITEM NO. 3<LEVEL >= -4.5000 (BOTH WALLS)
ITEM NO. 4<WALL >= 1.0000 (BOTH WALLS)
ITEM NO. 5<GAMMAD >= 19.000 (BOTH WALLS)
ITEM NO. 6<GAMMAB >= 9.0000 (BOTH WALLS)
ITEM NO. 7<GAMMAW >= 10.000 (BOTH WALLS)
ITEM NO. 8<U-COHE >= 8.0000 WALL NO. 1
ITEM NO. 8<U-COHE >= 10.000 WALL NO. 2
ITEM NO. 9<U-FRICT >= 20.458 WALL NO. 1
ITEM NO. 9<U-FRICT >= 25.000 WALL NO. 2
ITEM NO. 10<U-KA >= 0.63500 WALL NO. 1
ITEM NO. 11<U-KP >= 3.3040 WALL NO. 1
ITEM NO. 12<K0-NC >= 0.50000 (BOTH WALLS)
ITEM NO. 13<NEXP >= 0.50000 (BOTH WALLS)
ITEM NO. 14<OCR >= 1.0000 (BOTH WALLS)
ITEM NO. 16<MODEL >= 1.0000 (BOTH WALLS)
ITEM NO. 17<EVC >= 30000. (BOTH WALLS)
ITEM NO. 18<EUR >= 90000. (BOTH WALLS)
ITEM NO. 27<U-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 58<U-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 60<U-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 61<U-TZALPH>= 0.50000 (BOTH WALLS)
ITEM NO. 82<D-NATURE>= 1.0000 (BOTH WALLS)
ITEM NO. 83<D-LEVEL >= 0.0000 (BOTH WALLS)
ITEM NO. 88<D-COHE >= 8.0000 WALL NO. 1
ITEM NO. 88<D-COHE >= 10.000 WALL NO. 2
ITEM NO. 89<D-FRICT >= 20.458 WALL NO. 1
ITEM NO. 89<D-FRICT >= 25.000 WALL NO. 2
ITEM NO. 90<D-KA >= 0.35600 WALL NO. 1
ITEM NO. 91<D-KP >= 1.3300 WALL NO. 1
ITEM NO. 107<D-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138<D-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 140<D-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 141<D-TZALPH>= 0.50000 (BOTH WALLS)

NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 3 FOR STEP NO. 1

ITEM NO. 1<NAME >= 20.000 (BOTH WALLS)
ITEM NO. 2<NATURE >= 1.0000 (BOTH WALLS)
ITEM NO. 3<LEVEL >= -13.900 (BOTH WALLS)
ITEM NO. 4<WALL >= 1.0000 (BOTH WALLS)
ITEM NO. 5<GAMMAD >= 20.000 (BOTH WALLS)

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ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  21.315     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.60200     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  3.4470     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  21.315     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.34500     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.3990     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    2

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  14.571     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  18.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.58800     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;= 0.95400     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  14.571     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  18.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.49900     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.3660     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    2

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -4.5000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  20.458     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  25.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.64700     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  3.3210     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
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ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  20.458     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  25.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.37200     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.5060     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    3 FOR STEP NO.    2

ITEM NO.   1&lt;NAME    &gt;=  20.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -13.900     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  21.315     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.61900     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  3.4680     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  21.315     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.35800     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.5490     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    3

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  14.571     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  18.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.58800     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;= 0.95400     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  14.571     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  18.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.49900     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.3660     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    3

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
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ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -4.5000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  20.458     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  25.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.64700     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  3.3210     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  20.458     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  25.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.37200     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.5060     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    3 FOR STEP NO.    3

ITEM NO.   1&lt;NAME    &gt;=  20.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -13.900     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  21.315     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.61900     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  3.4680     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  21.315     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.35800     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.5490     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    4

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  14.571     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  18.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.58800     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;= 0.95400     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
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ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  14.571     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  18.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.54800     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.9000     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    4

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -4.5000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  20.458     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  25.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.64700     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  3.3210     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  20.458     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  25.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.42700     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.1150     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    3 FOR STEP NO.    4

ITEM NO.   1&lt;NAME    &gt;=  20.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -13.900     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  21.315     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.61900     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  3.4680     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  21.315     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.40700     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.1030     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
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ITEM NO. 141<D-TZALPH>= 0.50000 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO. 5

NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 1 FOR STEP NO. 5

ITEM NO. 1<NAME >= 18.000 (BOTH WALLS)
ITEM NO. 2<NATURE >= 1.0000 (BOTH WALLS)
ITEM NO. 3<LEVEL >= 0.0000 (BOTH WALLS)
ITEM NO. 4<WALL >= 1.0000 (BOTH WALLS)
ITEM NO. 5<GAMMAD >= 19.000 (BOTH WALLS)
ITEM NO. 6<GAMMAB >= 9.0000 (BOTH WALLS)
ITEM NO. 7<GAMMAW >= 10.000 (BOTH WALLS)
ITEM NO. 9<U-FRICT >= 14.571 WALL NO. 1
ITEM NO. 9<U-FRICT >= 18.000 WALL NO. 2
ITEM NO. 10<U-KA >= 0.58800 WALL NO. 1
ITEM NO. 11<U-KP >= 0.95400 WALL NO. 1
ITEM NO. 12<K0-NC >= 0.50000 (BOTH WALLS)
ITEM NO. 13<NEXP >= 0.50000 (BOTH WALLS)
ITEM NO. 14<OCR >= 1.0000 (BOTH WALLS)
ITEM NO. 16<MODEL >= 1.0000 (BOTH WALLS)
ITEM NO. 17<EVC >= 30000. (BOTH WALLS)
ITEM NO. 18<EUR >= 90000. (BOTH WALLS)
ITEM NO. 27<U-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 58<U-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 60<U-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 61<U-TZALPH>= 0.50000 (BOTH WALLS)
ITEM NO. 82<D-NATURE>= 1.0000 (BOTH WALLS)
ITEM NO. 83<D-LEVEL >= 0.0000 (BOTH WALLS)
ITEM NO. 89<D-FRICT >= 14.571 WALL NO. 1
ITEM NO. 89<D-FRICT >= 18.000 WALL NO. 2
ITEM NO. 90<D-KA >= 0.54800 WALL NO. 1
ITEM NO. 91<D-KP >= 1.9000 WALL NO. 1
ITEM NO. 107<D-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138<D-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 140<D-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 141<D-TZALPH>= 0.50000 (BOTH WALLS)

NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 2 FOR STEP NO. 5

ITEM NO. 1<NAME >= 19.000 (BOTH WALLS)
ITEM NO. 2<NATURE >= 1.0000 (BOTH WALLS)
ITEM NO. 3<LEVEL >= -4.5000 (BOTH WALLS)
ITEM NO. 4<WALL >= 1.0000 (BOTH WALLS)
ITEM NO. 5<GAMMAD >= 19.000 (BOTH WALLS)
ITEM NO. 6<GAMMAB >= 9.0000 (BOTH WALLS)
ITEM NO. 7<GAMMAW >= 10.000 (BOTH WALLS)
ITEM NO. 8<U-COHE >= 8.0000 WALL NO. 1
ITEM NO. 8<U-COHE >= 10.000 WALL NO. 2
ITEM NO. 9<U-FRICT >= 20.458 WALL NO. 1
ITEM NO. 9<U-FRICT >= 25.000 WALL NO. 2
ITEM NO. 10<U-KA >= 0.64700 WALL NO. 1
ITEM NO. 11<U-KP >= 3.3210 WALL NO. 1
ITEM NO. 12<K0-NC >= 0.50000 (BOTH WALLS)
ITEM NO. 13<NEXP >= 0.50000 (BOTH WALLS)
ITEM NO. 14<OCR >= 1.0000 (BOTH WALLS)
ITEM NO. 16<MODEL >= 1.0000 (BOTH WALLS)
ITEM NO. 17<EVC >= 30000. (BOTH WALLS)
ITEM NO. 18<EUR >= 90000. (BOTH WALLS)
ITEM NO. 27<U-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 58<U-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 60<U-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 61<U-TZALPH>= 0.50000 (BOTH WALLS)
ITEM NO. 82<D-NATURE>= 1.0000 (BOTH WALLS)
ITEM NO. 83<D-LEVEL >= 0.0000 (BOTH WALLS)
ITEM NO. 88<D-COHE >= 8.0000 WALL NO. 1
ITEM NO. 88<D-COHE >= 10.000 WALL NO. 2
ITEM NO. 89<D-FRICT >= 20.458 WALL NO. 1
ITEM NO. 89<D-FRICT >= 25.000 WALL NO. 2
ITEM NO. 90<D-KA >= 0.43200 WALL NO. 1
ITEM NO. 91<D-KP >= 2.4550 WALL NO. 1
ITEM NO. 107<D-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138<D-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 140<D-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 141<D-TZALPH>= 0.50000 (BOTH WALLS)

NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 3 FOR STEP NO. 5

ITEM NO. 1<NAME >= 20.000 (BOTH WALLS)
ITEM NO. 2<NATURE >= 1.0000 (BOTH WALLS)
ITEM NO. 3<LEVEL >= -13.900 (BOTH WALLS)
ITEM NO. 4<WALL >= 1.0000 (BOTH WALLS)
ITEM NO. 5<GAMMAD >= 20.000 (BOTH WALLS)
ITEM NO. 6<GAMMAB >= 10.000 (BOTH WALLS)
ITEM NO. 7<GAMMAW >= 10.000 (BOTH WALLS)
ITEM NO. 8<U-COHE >= 8.0000 WALL NO. 1
ITEM NO. 8<U-COHE >= 10.000 WALL NO. 2
ITEM NO. 9<U-FRICT >= 21.315 WALL NO. 1
ITEM NO. 9<U-FRICT >= 26.000 WALL NO. 2
ITEM NO. 10<U-KA >= 0.61900 WALL NO. 1
ITEM NO. 11<U-KP >= 3.4680 WALL NO. 1

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ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  21.315     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.41700     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.4620     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    6


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    6

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  14.571     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  18.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.58800     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;= 0.95400     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  14.571     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  18.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.54800     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.9000     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    6

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -4.5000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  20.458     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  25.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.64700     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  3.3210     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  20.458     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  25.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.43200     WALL NO.        1
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ITEM NO.  91&lt;D-KP    &gt;=  2.5850     WALL NO.       1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    3 FOR STEP NO.    6

ITEM NO.   1&lt;NAME    &gt;=  20.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -13.900     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  8.0000     WALL NO.       1
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     WALL NO.       2
ITEM NO.   9&lt;U-FRICT &gt;=  21.315     WALL NO.       1
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     WALL NO.       2
ITEM NO.  10&lt;U-KA    &gt;= 0.61900     WALL NO.       1
ITEM NO.  11&lt;U-KP    &gt;=  3.4680     WALL NO.       1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  8.0000     WALL NO.       1
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     WALL NO.       2
ITEM NO.  89&lt;D-FRICT &gt;=  21.315     WALL NO.       1
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     WALL NO.       2
ITEM NO.  90&lt;D-KA    &gt;= 0.41700     WALL NO.       1
ITEM NO.  91&lt;D-KP    &gt;=  2.7110     WALL NO.       1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    7


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    7

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  14.571     WALL NO.       1
ITEM NO.   9&lt;U-FRICT &gt;=  18.000     WALL NO.       2
ITEM NO.  10&lt;U-KA    &gt;= 0.58800     WALL NO.       1
ITEM NO.  11&lt;U-KP    &gt;= 0.95400     WALL NO.       1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  47&lt;U-KAED  &gt;= 0.71572     WALL NO.       1
ITEM NO.  48&lt;U-KAEW  &gt;= 0.93658     WALL NO.       1
ITEM NO.  49&lt;U-KPED  &gt;=  2.4159     WALL NO.       1
ITEM NO.  50&lt;U-KPEW  &gt;=  2.3805     WALL NO.       1
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  14.571     WALL NO.       1
ITEM NO.  89&lt;D-FRICT &gt;=  18.000     WALL NO.       2
ITEM NO.  90&lt;D-KA    &gt;= 0.54800     WALL NO.       1
ITEM NO.  91&lt;D-KP    &gt;=  1.9000     WALL NO.       1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 127&lt;D-KAED  &gt;= 0.60558     WALL NO.       1
ITEM NO. 128&lt;D-KAEW  &gt;= 0.73973     WALL NO.       1
ITEM NO. 129&lt;D-KPED  &gt;=  1.6730     WALL NO.       1
ITEM NO. 130&lt;D-KPEW  &gt;=  1.4335     WALL NO.       1
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    7

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
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ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -4.5000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  20.458     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  25.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.64700     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  3.3210     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  47&lt;U-KAED  &gt;= 0.98450     WALL NO.        1
ITEM NO.  48&lt;U-KAEW  &gt;=  1.0668     WALL NO.        1
ITEM NO.  49&lt;U-KPED  &gt;=  3.4348     WALL NO.        1
ITEM NO.  50&lt;U-KPEW  &gt;=  3.3483     WALL NO.        1
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  20.458     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  25.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.43200     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.5850     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 127&lt;D-KAED  &gt;= 0.48102     WALL NO.        1
ITEM NO. 128&lt;D-KAEW  &gt;= 0.58067     WALL NO.        1
ITEM NO. 129&lt;D-KPED  &gt;=  2.3131     WALL NO.        1
ITEM NO. 130&lt;D-KPEW  &gt;=  2.0774     WALL NO.        1
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    3 FOR STEP NO.    7

ITEM NO.   1&lt;NAME    &gt;=  20.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -13.900     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  21.315     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.61900     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  3.4680     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  47&lt;U-KAED  &gt;= 0.97617     WALL NO.        1
ITEM NO.  48&lt;U-KAEW  &gt;=  1.0522     WALL NO.        1
ITEM NO.  49&lt;U-KPED  &gt;=  3.5682     WALL NO.        1
ITEM NO.  50&lt;U-KPEW  &gt;=  3.4765     WALL NO.        1
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  21.315     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.41700     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.7110     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 127&lt;D-KAED  &gt;= 0.46569     WALL NO.        1
ITEM NO. 128&lt;D-KAEW  &gt;= 0.55097     WALL NO.        1
ITEM NO. 129&lt;D-KPED  &gt;=  2.4300     WALL NO.        1
ITEM NO. 130&lt;D-KPEW  &gt;=  2.2173     WALL NO.        1
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON    21 VALUES
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+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:47                                                 |
+-----------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1 no. of subincrements     1
                                        LEFT WALL    RIGHT WALL
Y                                        0.000       -0.9990E+30
Z-PC                                     0.000         0.000
Z-EXCAVATION                             0.000         0.000
Z-WATER_TABLE                           -4.340       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL                0.000         0.000
ZQ                                       0.000         0.000
DZW_OF_THE_WATER_TABLE                  0.3128         0.000
QS_ON_THE_EXCAVATION_SIDE                0.000         0.000
ZQS                                      0.000       -0.9990E+30
ZCUT                                     0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES        -16.52        -16.52
WATER_BEHAVIOUR_FLAG (LINING OPT)        0.000         0.000
PORE_UPDATE_FLAG                         0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)         0.000         0.000
lateral thrusts reduction elevatio       0.000         0.000
Downhill reduction factor for effe       0.000         0.000
Downhill reduction factor for pore       0.000         0.000
Uphill reduction factor for effect       0.000         0.000
Uphill reduction factor for pore p       0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]         0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]        0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]        0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]          0.000         0.000
UPHILL DELTA/PHI RATIO                   0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
DOWNHILL DELTA/PHI RATIO                 0.000         0.000
DYN.WATER BEHAVIOUR                      0.000         0.000
Excess pore pressure RATIO Ru            0.000         0.000
SEISMIC PRESSURE LOWER VALUE             0.000         0.000
SEISMIC PRESSURE UPPER VALUE             0.000         0.000
SEISMIC PRESSURE LOWER LEVEL             0.000         0.000
SEISMIC PRESSURE UPPER LEVEL             0.000         0.000

=============================================================================================================end of step    1


STEP  NO.     2 no. of subincrements     1
                                        LEFT WALL    RIGHT WALL
Y                                        0.000       -0.9990E+30
Z-PC                                    -0.3200         0.000
Z-EXCAVATION                            -0.3200         0.000
Z-WATER_TABLE                            -4.340       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL                0.000         0.000
ZQ                                       0.000         0.000
DZW_OF_THE_WATER_TABLE                  0.3128         0.000
QS_ON_THE_EXCAVATION_SIDE                0.000         0.000
ZQS                                      0.000       -0.9990E+30
ZCUT                                     0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES        -16.52        -16.52
WATER_BEHAVIOUR_FLAG (LINING OPT)        0.000         0.000
PORE_UPDATE_FLAG                         0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)         0.000         0.000
lateral thrusts reduction elevatio       0.000         0.000
Downhill reduction factor for effe       0.000         0.000
Downhill reduction factor for pore       0.000         0.000
Uphill reduction factor for effect       0.000         0.000
Uphill reduction factor for pore p       0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]         0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]        0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]        0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]          0.000         0.000
UPHILL DELTA/PHI RATIO                   0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
DOWNHILL DELTA/PHI RATIO                 0.000         0.000
DYN.WATER BEHAVIOUR                      0.000         0.000
Excess pore pressure RATIO Ru            0.000         0.000
SEISMIC PRESSURE LOWER VALUE             0.000         0.000
SEISMIC PRESSURE UPPER VALUE             0.000         0.000
SEISMIC PRESSURE LOWER LEVEL             0.000         0.000
SEISMIC PRESSURE UPPER LEVEL             0.000         0.000

=============================================================================================================end of step    2


STEP  NO.     3 no. of subincrements     1
                                        LEFT WALL    RIGHT WALL
Y                                        0.000       -0.9990E+30
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Z-PC                                -0.3200         0.000
Z-EXCAVATION                        -0.3200         0.000
Z-WATER_TABLE                        -4.340       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL             0.000         0.000
ZQ                                    0.000         0.000
DZW_OF_THE_WATER_TABLE               0.3128         0.000
QS_ON_THE_EXCAVATION_SIDE             0.000         0.000
ZQS                                   0.000       -0.9990E+30
ZCUT                                  0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -16.52        -16.52
WATER_BEHAVIOUR_FLAG (LINING OPT)     0.000         0.000
PORE_UPDATE_FLAG                      0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)      0.000         0.000
lateral thrusts reduction elevatio    0.000         0.000
Downhill reduction factor for effe    0.000         0.000
Downhill reduction factor for pore    0.000         0.000
Uphill reduction factor for effect    0.000         0.000
Uphill reduction factor for pore p    0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]      0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]     0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]     0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
UPHILL DELTA/PHI RATIO                0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]     0.000         0.000
DOWNHILL DELTA/PHI RATIO              0.000         0.000
DYN.WATER BEHAVIOUR                   0.000         0.000
Excess pore pressure RATIO Ru         0.000         0.000
SEISMIC PRESSURE LOWER VALUE          0.000         0.000
SEISMIC PRESSURE UPPER VALUE          0.000         0.000
SEISMIC PRESSURE LOWER LEVEL          0.000         0.000
SEISMIC PRESSURE UPPER LEVEL          0.000         0.000

=============================================================================================================end of step    3


STEP  NO.     4 no. of subincrements     1
                                     LEFT WALL    RIGHT WALL
Y                                     0.000       -0.9990E+30
Z-PC                                -0.3200         0.000
Z-EXCAVATION                         -1.820         0.000
Z-WATER_TABLE                        -4.340       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL             0.000         0.000
ZQ                                    0.000         0.000
DZW_OF_THE_WATER_TABLE               0.3128         0.000
QS_ON_THE_EXCAVATION_SIDE             0.000         0.000
ZQS                                   0.000       -0.9990E+30
ZCUT                                  0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -16.52        -16.52
WATER_BEHAVIOUR_FLAG (LINING OPT)     0.000         0.000
PORE_UPDATE_FLAG                      0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)      0.000         0.000
lateral thrusts reduction elevatio    0.000         0.000
Downhill reduction factor for effe    0.000         0.000
Downhill reduction factor for pore    0.000         0.000
Uphill reduction factor for effect    0.000         0.000
Uphill reduction factor for pore p    0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]      0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]     0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]     0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
UPHILL DELTA/PHI RATIO                0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]     0.000         0.000
DOWNHILL DELTA/PHI RATIO              0.000         0.000
DYN.WATER BEHAVIOUR                   0.000         0.000
Excess pore pressure RATIO Ru         0.000         0.000
SEISMIC PRESSURE LOWER VALUE          0.000         0.000
SEISMIC PRESSURE UPPER VALUE          0.000         0.000
SEISMIC PRESSURE LOWER LEVEL          0.000         0.000
SEISMIC PRESSURE UPPER LEVEL          0.000         0.000

=============================================================================================================end of step    4


STEP  NO.     5 no. of subincrements     1
                                     LEFT WALL    RIGHT WALL
Y                                     0.000       -0.9990E+30
Z-PC                                -0.3200         0.000
Z-EXCAVATION                         -3.320         0.000
Z-WATER_TABLE                        -4.340       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL             0.000         0.000
ZQ                                    0.000         0.000
DZW_OF_THE_WATER_TABLE               0.3128         0.000
QS_ON_THE_EXCAVATION_SIDE             0.000         0.000
ZQS                                   0.000       -0.9990E+30
ZCUT                                  0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -16.52        -16.52
WATER_BEHAVIOUR_FLAG (LINING OPT)     0.000         0.000
PORE_UPDATE_FLAG                      0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)      0.000         0.000
lateral thrusts reduction elevatio    0.000         0.000
Downhill reduction factor for effe    0.000         0.000
Downhill reduction factor for pore    0.000         0.000
```

Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 5

STEP NO. 6 no. of subincrements 1

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	-0.3200	0.000
Z-EXCAVATION	-5.160	0.000
Z-WATER_TABLE	-5.240	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.3745	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.52	-16.52
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 6

STEP NO. 7 no. of subincrements 1

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	-0.3200	0.000
Z-EXCAVATION	-5.160	0.000
Z-WATER_TABLE	-5.240	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.3745	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.52	-16.52
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	-0.8360E-01	0.000
	MANUAL	
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.4180E-01	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	-0.4180E-01	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.5000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.5000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

```
==========================================================================================================end of step    7


 LEFT-HAND WALL

 LOWER  LEVEL         -16.52000
 UPPER  LEVEL          -0.32000

 RIGHT-HAND WALL

 LOWER  LEVEL         -16.52000
 UPPER  LEVEL          -0.32000



 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        8804

 NO. OF D.P.W  FOR THIS AREA      12539
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO          40

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9374E+05 RIMNOR= 0.000
           RENORM= 1.932     REMNOR= 0.000     RATIO =0.4540E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 43.07     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9374E+05 RDR   = 0.000
           RATIOT=0.4540E-02 RATIOR= 0.000
           MAX UN=0.3070     IEQ=    45 NODE     23 DOF   1  Y-DISPL.F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9374E+05 RIMNOR= 0.000
           RENORM= 75.28     REMNOR= 0.000     RATIO =0.2834E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 43.07     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9374E+05 RDR   = 0.000
           RATIOT=0.2834E-01 RATIOR= 0.000
           MAX UN= 1.989     IEQ=   135 NODE     68 DOF   1  Y-DISPL.F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9374E+05 RIMNOR= 0.000
           RENORM=0.1168E-27 REMNOR= 0.000     RATIO =0.3529E-16 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 43.07     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9374E+05 RDR   = 0.000
           RATIOT=0.3529E-16 RATIOR= 0.000
           MAX UN=0.7105E-14 IEQ=   143 NODE     72 DOF   1  Y-DISPL.F
           MIN UN=-.3553E-14 IEQ=    79 NODE     40 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:47                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     3 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    1     ( AT TIME   1.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
   22   1.1195389E-05    0.000000
   23   1.9993650E-05    0.000000
   24   3.1427130E-05    0.000000
   25   4.2860554E-05    0.000000
   26   5.4294035E-05    0.000000
   27   6.5727515E-05    0.000000
   28   7.7160996E-05    0.000000
   29   8.8594477E-05    0.000000
   30   1.0002790E-04    0.000000
   31   1.1146138E-04    0.000000
   32   1.2289486E-04    0.000000
   33   1.3432834E-04    0.000000
   34   1.4576182E-04    0.000000
   35   1.5719530E-04    0.000000
   36   1.6862873E-04    0.000000
   37   1.8006221E-04    0.000000
   38   1.9149569E-04    0.000000
   39   2.0292917E-04    0.000000
   40   2.1436265E-04    0.000000
   41   2.2579613E-04    0.000000
   42   2.3722961E-04    0.000000
   43   2.4866304E-04    0.000000
   44   2.6009652E-04    0.000000
   45   2.7153000E-04    0.000000
   46   2.8296348E-04    0.000000
   47   2.9439696E-04    0.000000
   48   3.0583038E-04    0.000000
   49   3.1726386E-04    0.000000
   50   3.2869763E-04    0.000000
   51   3.4013054E-04    0.000000
   52   3.5156402E-04    0.000000
   53   3.6299750E-04    0.000000
   54   3.7443098E-04    0.000000
   55   3.8586446E-04    0.000000
   56   3.9729794E-04    0.000000
   57   4.0873142E-04    0.000000
   58   4.2016490E-04    0.000000
   59   4.3159839E-04    0.000000
   60   4.4303187E-04    0.000000
   61   4.5446535E-04    0.000000
   62   4.6589883E-04    0.000000
   63   4.7733231E-04    0.000000
   64   4.8876579E-04    0.000000
   65   5.0019927E-04    0.000000
   66   5.1163275E-04    0.000000
   67   5.2306623E-04    0.000000
   68   5.3449971E-04    0.000000
   69   4.1561392E-05    0.000000
   70   4.2989070E-05    0.000000
   71   4.4416748E-05    0.000000
   72   4.5844427E-05    0.000000
   73   4.7272105E-05    0.000000
   74   4.8699783E-05    0.000000
   75   5.0127462E-05    0.000000
   76   5.1555140E-05    0.000000
   77   5.2982818E-05    0.000000
   78   5.4410496E-05    0.000000
   79   5.5838175E-05    0.000000
   80   5.7265853E-05    0.000000
   81   5.8693531E-05    0.000000
```

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:47                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                        :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      1.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D  0.3040       0.000       6.080       3.040       6.080       3.040           V-C  1.7961E+04 -0.3200       0.000
1.000       1.000       3.040       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.9880       0.000       9.880       4.940       9.880       4.940           V-C  1.7961E+04 -0.5200       0.000
1.000       1.000       4.940       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.368       0.000       13.68       6.840       13.68       6.840           V-C  1.7961E+04 -0.7200       0.000
1.000       1.000       6.840       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.748       0.000       17.48       8.740       17.48       8.740           V-C  1.7961E+04 -0.9200       0.000
1.000       1.000       8.740       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   2.128       0.000       21.28       10.64       21.28       10.64           V-C  1.7961E+04  -1.120       0.000
1.000       1.000       10.64       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   2.508       0.000       25.08       12.54       25.08       12.54           V-C  1.7961E+04  -1.320       0.000
1.000       1.000       12.54       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.888       0.000       28.88       14.44       28.88       14.44           V-C  1.7961E+04  -1.520       0.000
1.000       1.000       14.44       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   3.268       0.000       32.68       16.34       32.68       16.34           V-C  1.7961E+04  -1.720       0.000
1.000       1.000       16.34       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.648       0.000       36.48       18.24       36.48       18.24           V-C  1.7961E+04  -1.920       0.000
1.000       1.000       18.24       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   4.028       0.000       40.28       20.14       40.28       20.14           V-C  1.7961E+04  -2.120       0.000
1.000       1.000       20.14       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   4.408       0.000       44.08       22.04       44.08       22.04           V-C  1.7961E+04  -2.320       0.000
1.000       1.000       22.04       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.788       0.000       47.88       23.94       47.88       23.94           V-C  1.7961E+04  -2.520       0.000
1.000       1.000       23.94       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   5.168       0.000       51.68       25.84       51.68       25.84           V-C  1.7961E+04  -2.720       0.000
1.000       1.000       25.84       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.548       0.000       55.48       27.74       55.48       27.74           V-C  1.7961E+04  -2.920       0.000
1.000       1.000       27.74       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.928       0.000       59.28       29.64       59.28       29.64           V-C  1.7961E+04  -3.120       0.000
1.000       1.000       29.64       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   6.308       0.000       63.08       31.54       63.08       31.54           V-C  1.7961E+04  -3.320       0.000
1.000       1.000       31.54       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.688       0.000       66.88       33.44       66.88       33.44           V-C  1.7961E+04  -3.520       0.000
1.000       1.000       33.44       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   7.068       0.000       70.68       35.34       70.68       35.34           V-C  1.7961E+04  -3.720       0.000
1.000       1.000       35.34       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   7.448       0.000       74.48       37.24       74.48       37.24           V-C  1.7961E+04  -3.920       0.000
1.000       1.000       37.24       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.828       0.000       78.28       39.14       78.28       39.14           V-C  1.7961E+04  -4.120       0.000
1.000       1.000       39.14       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   8.208       0.000       82.08       41.04       82.08       41.04           V-C  1.7961E+04  -4.320       0.000
1.000       1.000       41.04       0.000       0.000       0.000       0.000     a_20886_12_L_0                     0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   8.631     -1.1195E-05   84.10       41.38       84.10       42.05          UL-RL  6.0015E+04  -4.520       1.776
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1.000       1.000       43.16       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D    9.113     -1.9994E-05   85.93       41.82       85.93       42.97         ACTIVE   0.000      -4.720       3.750
1.000       1.000       45.57       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D    9.740     -3.1427E-05   87.76       42.98       87.76       43.88         ACTIVE   0.000      -4.920       5.724
1.000       1.000       48.70       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D    10.37     -4.2861E-05   89.58       44.13       89.58       44.79         ACTIVE   0.000      -5.120       7.698
1.000       1.000       51.83       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D    10.99     -5.4294E-05   91.41       45.29       91.41       45.70         ACTIVE   0.000      -5.320       9.672
1.000       1.000       54.97       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D    11.62     -6.5728E-05   93.23       46.45       93.23       46.62         ACTIVE   0.000      -5.520       11.65
1.000       1.000       58.10       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D    12.25     -7.7161E-05   95.06       47.61       95.06       47.61         ACTIVE   0.000      -5.720       13.62
1.000       1.000       61.23       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D    12.87     -8.8594E-05   96.89       48.77       96.89       48.77         ACTIVE   0.000      -5.920       15.59
1.000       1.000       64.37       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D    13.50     -1.0003E-04   98.71       49.93       98.71       49.93         ACTIVE   0.000      -6.120       17.57
1.000       1.000       67.50       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D    14.13     -1.1146E-04   100.5       51.09       100.5       51.09         ACTIVE   0.000      -6.320       19.54
1.000       1.000       70.63       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D    14.75     -1.2289E-04   102.4       52.25       102.4       52.25         ACTIVE   0.000      -6.520       21.52
1.000       1.000       73.77       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D    15.38     -1.3433E-04   104.2       53.41       104.2       53.41         ACTIVE   0.000      -6.720       23.49
1.000       1.000       76.90       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D    16.01     -1.4576E-04   106.0       54.57       106.0       54.57         ACTIVE   0.000      -6.920       25.46
1.000       1.000       80.03       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D    16.63     -1.5720E-04   107.8       55.73       107.8       55.73         ACTIVE   0.000      -7.120       27.44
1.000       1.000       83.17       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D    17.26     -1.6863E-04   109.7       56.89       109.7       56.89         ACTIVE   0.000      -7.320       29.41
1.000       1.000       86.30       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D    17.89     -1.8006E-04   111.5       58.05       111.5       58.05         ACTIVE   0.000      -7.520       31.39
1.000       1.000       89.43       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D    18.51     -1.9150E-04   113.3       59.21       113.3       59.21         ACTIVE   0.000      -7.720       33.36
1.000       1.000       92.57       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D    19.14     -2.0293E-04   115.1       60.37       115.1       60.37         ACTIVE   0.000      -7.920       35.33
1.000       1.000       95.70       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D    19.77     -2.1436E-04   117.0       61.53       117.0       61.53         ACTIVE   0.000      -8.120       37.31
1.000       1.000       98.84       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D    20.39     -2.2580E-04   118.8       62.69       118.8       62.69         ACTIVE   0.000      -8.320       39.28
1.000       1.000       102.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D    21.02     -2.3723E-04   120.6       63.85       120.6       63.85         ACTIVE   0.000      -8.520       41.26
1.000       1.000       105.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D    21.65     -2.4866E-04   122.5       65.01       122.5       65.01         ACTIVE   0.000      -8.720       43.23
1.000       1.000       108.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D    22.27     -2.6010E-04   124.3       66.17       124.3       66.17         ACTIVE   0.000      -8.920       45.20
1.000       1.000       111.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D    22.90     -2.7153E-04   126.1       67.33       126.1       67.33         ACTIVE   0.000      -9.120       47.18
1.000       1.000       114.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D    23.53     -2.8296E-04   127.9       68.48       127.9       68.48         ACTIVE   0.000      -9.320       49.15
1.000       1.000       117.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D    24.15     -2.9440E-04   129.8       69.64       129.8       69.64         ACTIVE   0.000      -9.520       51.13
1.000       1.000       120.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D    24.78     -3.0583E-04   131.6       70.80       131.6       70.80         ACTIVE   0.000      -9.720       53.10
1.000       1.000       123.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D    25.41     -3.1726E-04   133.4       71.96       133.4       71.96         ACTIVE   0.000      -9.920       55.07
1.000       1.000       127.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D    26.03     -3.2870E-04   135.2       73.12       135.2       73.12         ACTIVE   0.000      -10.12       57.05
1.000       1.000       130.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D    26.66     -3.4013E-04   137.1       74.28       137.1       74.28         ACTIVE   0.000      -10.32       59.02
1.000       1.000       133.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D    27.29     -3.5156E-04   138.9       75.44       138.9       75.44         ACTIVE   0.000      -10.52       61.00
1.000       1.000       136.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   27.91     -3.6300E-04   140.7       76.60       140.7       76.60          ACTIVE   0.000      -10.72       62.97
1.000       1.000       139.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   28.54     -3.7443E-04   142.5       77.76       142.5       77.76          ACTIVE   0.000      -10.92       64.94
1.000       1.000       142.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   29.17     -3.8586E-04   144.4       78.92       144.4       78.92          ACTIVE   0.000      -11.12       66.92
1.000       1.000       145.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   29.79     -3.9730E-04   146.2       80.08       146.2       80.08          ACTIVE   0.000      -11.32       68.89
1.000       1.000       149.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   30.42     -4.0873E-04   148.0       81.24       148.0       81.24          ACTIVE   0.000      -11.52       70.86
1.000       1.000       152.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   31.05     -4.2016E-04   149.8       82.40       149.8       82.40          ACTIVE   0.000      -11.72       72.84
1.000       1.000       155.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   31.67     -4.3160E-04   151.7       83.56       151.7       83.56          ACTIVE   0.000      -11.92       74.81
1.000       1.000       158.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   32.30     -4.4303E-04   153.5       84.72       153.5       84.72          ACTIVE   0.000      -12.12       76.79
1.000       1.000       161.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   32.93     -4.5447E-04   155.3       85.88       155.3       85.88          ACTIVE   0.000      -12.32       78.76
1.000       1.000       164.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   33.55     -4.6590E-04   157.1       87.04       157.1       87.04          ACTIVE   0.000      -12.52       80.73
1.000       1.000       167.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   34.18     -4.7733E-04   159.0       88.20       159.0       88.20          ACTIVE   0.000      -12.72       82.71
1.000       1.000       170.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   34.81     -4.8877E-04   160.8       89.36       160.8       89.36          ACTIVE   0.000      -12.92       84.68
1.000       1.000       174.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   35.43     -5.0020E-04   162.6       90.52       162.6       90.52          ACTIVE   0.000      -13.12       86.66
1.000       1.000       177.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   36.06     -5.1163E-04   164.4       91.68       164.4       91.68          ACTIVE   0.000      -13.32       88.63
1.000       1.000       180.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   36.69     -5.2307E-04   166.3       92.83       166.3       92.83          ACTIVE   0.000      -13.52       90.60
1.000       1.000       183.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   37.31     -5.3450E-04   168.1       93.99       168.1       93.99          ACTIVE   0.000      -13.72       92.58
1.000       1.000       186.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   36.89     -4.1561E-05   169.9       89.89       169.9       89.89          ACTIVE   0.000      -13.92       94.55
1.000       1.000       184.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   37.53     -4.2989E-05   172.0       91.11       172.0       91.11          ACTIVE   0.000      -14.12       96.53
1.000       1.000       187.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   38.17     -4.4417E-05   174.0       92.33       174.0       92.33          ACTIVE   0.000      -14.32       98.50
1.000       1.000       190.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   38.81     -4.5844E-05   176.0       93.55       176.0       93.55          ACTIVE   0.000      -14.52       100.5
1.000       1.000       194.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   39.44     -4.7272E-05   178.1       94.77       178.1       94.77          ACTIVE   0.000      -14.72       102.4
1.000       1.000       197.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   40.08     -4.8700E-05   180.1       95.99       180.1       95.99          ACTIVE   0.000      -14.92       104.4
1.000       1.000       200.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   40.72     -5.0127E-05   182.1       97.21       182.1       97.21          ACTIVE   0.000      -15.12       106.4
1.000       1.000       203.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   41.36     -5.1555E-05   184.1       98.43       184.1       98.43          ACTIVE   0.000      -15.32       108.4
1.000       1.000       206.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   42.00     -5.2983E-05   186.2       99.65       186.2       99.65          ACTIVE   0.000      -15.52       110.3
1.000       1.000       210.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   42.64     -5.4410E-05   188.2       100.9       188.2       100.9          ACTIVE   0.000      -15.72       112.3
1.000       1.000       213.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   43.28     -5.5838E-05   190.2       102.1       190.2       102.1          ACTIVE   0.000      -15.92       114.3
1.000       1.000       216.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   43.92     -5.7266E-05   192.2       103.3       192.2       103.3          ACTIVE   0.000      -16.12       116.3
1.000       1.000       219.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   44.55     -5.8694E-05   194.3       104.5       194.3       104.5          ACTIVE   0.000      -16.32       118.2
1.000       1.000       222.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   21.84       0.000       196.3       98.14       196.3       98.14              V-C  1.3552E+05  -16.52       120.2
1.000       1.000       218.4       0.000       0.000       0.000       0.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                            ParatiePlus                                                                |
|                                  Exe Time :28 January 2022   10:29:47                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      1.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D  0.3040       0.000       6.080       3.040       6.080       3.040           V-C  2.1480E+04 -0.3200       0.000
1.000       1.000       3.040       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.9880       0.000       9.880       4.940       9.880       4.940           V-C  2.1480E+04 -0.5200       0.000
1.000       1.000       4.940       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.368       0.000       13.68       6.840       13.68       6.840           V-C  2.1480E+04 -0.7200       0.000
1.000       1.000       6.840       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.748       0.000       17.48       8.740       17.48       8.740           V-C  2.1480E+04 -0.9200       0.000
1.000       1.000       8.740       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   2.128       0.000       21.28       10.64       21.28       10.64           V-C  2.1480E+04  -1.120       0.000
1.000       1.000       10.64       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   2.508       0.000       25.08       12.54       25.08       12.54           V-C  2.1480E+04  -1.320       0.000
1.000       1.000       12.54       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.888       0.000       28.88       14.44       28.88       14.44           V-C  2.1480E+04  -1.520       0.000
1.000       1.000       14.44       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   3.268       0.000       32.68       16.34       32.68       16.34           V-C  2.1480E+04  -1.720       0.000
1.000       1.000       16.34       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.648       0.000       36.48       18.24       36.48       18.24           V-C  2.1480E+04  -1.920       0.000
1.000       1.000       18.24       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   4.028       0.000       40.28       20.14       40.28       20.14           V-C  2.1480E+04  -2.120       0.000
1.000       1.000       20.14       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   4.408       0.000       44.08       22.04       44.08       22.04           V-C  2.1480E+04  -2.320       0.000
1.000       1.000       22.04       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.788       0.000       47.88       23.94       47.88       23.94           V-C  2.1480E+04  -2.520       0.000
1.000       1.000       23.94       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   5.168       0.000       51.68       25.84       51.68       25.84           V-C  2.1480E+04  -2.720       0.000
1.000       1.000       25.84       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.548       0.000       55.48       27.74       55.48       27.74           V-C  2.1480E+04  -2.920       0.000
1.000       1.000       27.74       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.928       0.000       59.28       29.64       59.28       29.64           V-C  2.1480E+04  -3.120       0.000
1.000       1.000       29.64       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   6.308       0.000       63.08       31.54       63.08       31.54           V-C  2.1480E+04  -3.320       0.000
1.000       1.000       31.54       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.688       0.000       66.88       33.44       66.88       33.44           V-C  2.1480E+04  -3.520       0.000
1.000       1.000       33.44       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   7.068       0.000       70.68       35.34       70.68       35.34           V-C  2.1480E+04  -3.720       0.000
1.000       1.000       35.34       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   7.448       0.000       74.48       37.24       74.48       37.24           V-C  2.1480E+04  -3.920       0.000
1.000       1.000       37.24       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.828       0.000       78.28       39.14       78.28       39.14           V-C  2.1480E+04  -4.120       0.000
1.000       1.000       39.14       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   8.208       0.000       82.08       41.04       82.08       41.04           V-C  2.1480E+04  -4.320       0.000
1.000       1.000       41.04       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   8.631      1.1195E-05   85.88       43.16       85.88       43.16          UL-RL  5.7856E+04  -4.520       0.000
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1.000       1.000       43.16       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D    9.113       1.9994E-05  89.00       44.89       89.00       44.89           V-C  1.9285E+04  -4.720       0.6798
1.000       1.000       45.57       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D    9.740       3.1427E-05  90.77       45.99       90.77       45.99           V-C  1.9285E+04  -4.920       2.706
1.000       1.000       48.70       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D    10.37       4.2861E-05  92.55       47.10       92.55       47.10           V-C  1.9285E+04  -5.120       4.732
1.000       1.000       51.83       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D    10.99       5.4294E-05  94.32       48.21       94.32       48.21           V-C  1.9285E+04  -5.320       6.758
1.000       1.000       54.97       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D    11.62       6.5728E-05  96.10       49.32       96.10       49.32           V-C  1.9285E+04  -5.520       8.784
1.000       1.000       58.10       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D    12.25       7.7161E-05  97.87       50.42       97.87       50.42           V-C  1.9285E+04  -5.720       10.81
1.000       1.000       61.23       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D    12.87       8.8594E-05  99.64       51.53       99.64       51.53           V-C  1.9285E+04  -5.920       12.84
1.000       1.000       64.37       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D    13.50       1.0003E-04  101.4       52.64       101.4       52.64           V-C  1.9285E+04  -6.120       14.86
1.000       1.000       67.50       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D    14.13       1.1146E-04  103.2       53.75       103.2       53.75           V-C  1.9285E+04  -6.320       16.89
1.000       1.000       70.63       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D    14.75       1.2289E-04  105.0       54.85       105.0       54.85           V-C  1.9285E+04  -6.520       18.91
1.000       1.000       73.77       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D    15.38       1.3433E-04  106.7       55.96       106.7       55.96           V-C  1.9285E+04  -6.720       20.94
1.000       1.000       76.90       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D    16.01       1.4576E-04  108.5       57.07       108.5       57.07           V-C  1.9285E+04  -6.920       22.97
1.000       1.000       80.03       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D    16.63       1.5720E-04  110.3       58.18       110.3       58.18           V-C  1.9285E+04  -7.120       24.99
1.000       1.000       83.17       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D    17.26       1.6863E-04  112.1       59.28       112.1       59.28           V-C  1.9285E+04  -7.320       27.02
1.000       1.000       86.30       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D    17.89       1.8006E-04  113.8       60.39       113.8       60.39           V-C  1.9285E+04  -7.520       29.04
1.000       1.000       89.43       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D    18.51       1.9150E-04  115.6       61.50       115.6       61.50           V-C  1.9285E+04  -7.720       31.07
1.000       1.000       92.57       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D    19.14       2.0293E-04  117.4       62.61       117.4       62.61           V-C  1.9285E+04  -7.920       33.10
1.000       1.000       95.70       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D    19.77       2.1436E-04  119.2       63.71       119.2       63.71           V-C  1.9285E+04  -8.120       35.12
1.000       1.000       98.84       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D    20.39       2.2580E-04  120.9       64.82       120.9       64.82           V-C  1.9285E+04  -8.320       37.15
1.000       1.000       102.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D    21.02       2.3723E-04  122.7       65.93       122.7       65.93           V-C  1.9285E+04  -8.520       39.17
1.000       1.000       105.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D    21.65       2.4866E-04  124.5       67.04       124.5       67.04           V-C  1.9285E+04  -8.720       41.20
1.000       1.000       108.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D    22.27       2.6010E-04  126.3       68.14       126.3       68.14           V-C  1.9285E+04  -8.920       43.23
1.000       1.000       111.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D    22.90       2.7153E-04  128.0       69.25       128.0       69.25           V-C  1.9285E+04  -9.120       45.25
1.000       1.000       114.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D    23.53       2.8296E-04  129.8       70.36       129.8       70.36           V-C  1.9285E+04  -9.320       47.28
1.000       1.000       117.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D    24.15       2.9440E-04  131.6       71.47       131.6       71.47           V-C  1.9285E+04  -9.520       49.30
1.000       1.000       120.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D    24.78       3.0583E-04  133.3       72.57       133.3       72.57           V-C  1.9285E+04  -9.720       51.33
1.000       1.000       123.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D    25.41       3.1726E-04  135.1       73.68       135.1       73.68           V-C  1.9285E+04  -9.920       53.36
1.000       1.000       127.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D    26.03       3.2870E-04  136.9       74.79       136.9       74.79           V-C  1.9285E+04  -10.12       55.38
1.000       1.000       130.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D    26.66       3.4013E-04  138.7       75.90       138.7       75.90           V-C  1.9285E+04  -10.32       57.41
1.000       1.000       133.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D    27.29       3.5156E-04  140.4       77.00       140.4       77.00           V-C  1.9285E+04  -10.52       59.43
1.000       1.000       136.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   27.91      3.6300E-04   142.2       78.11       142.2       78.11            V-C  1.9285E+04  -10.72       61.46
1.000       1.000       139.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   28.54      3.7443E-04   144.0       79.22       144.0       79.22            V-C  1.9285E+04  -10.92       63.49
1.000       1.000       142.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   29.17      3.8586E-04   145.8       80.33       145.8       80.33            V-C  1.9285E+04  -11.12       65.51
1.000       1.000       145.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   29.79      3.9730E-04   147.5       81.43       147.5       81.43            V-C  1.9285E+04  -11.32       67.54
1.000       1.000       149.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   30.42      4.0873E-04   149.3       82.54       149.3       82.54            V-C  1.9285E+04  -11.52       69.56
1.000       1.000       152.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   31.05      4.2016E-04   151.1       83.65       151.1       83.65            V-C  1.9285E+04  -11.72       71.59
1.000       1.000       155.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   31.67      4.3160E-04   152.9       84.76       152.9       84.76            V-C  1.9285E+04  -11.92       73.62
1.000       1.000       158.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   32.30      4.4303E-04   154.6       85.86       154.6       85.86            V-C  1.9285E+04  -12.12       75.64
1.000       1.000       161.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   32.93      4.5447E-04   156.4       86.97       156.4       86.97            V-C  1.9285E+04  -12.32       77.67
1.000       1.000       164.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   33.55      4.6590E-04   158.2       88.08       158.2       88.08            V-C  1.9285E+04  -12.52       79.69
1.000       1.000       167.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   34.18      4.7733E-04   160.0       89.19       160.0       89.19            V-C  1.9285E+04  -12.72       81.72
1.000       1.000       170.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   34.81      4.8877E-04   161.7       90.29       161.7       90.29            V-C  1.9285E+04  -12.92       83.75
1.000       1.000       174.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   35.43      5.0020E-04   163.5       91.40       163.5       91.40            V-C  1.9285E+04  -13.12       85.77
1.000       1.000       177.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   36.06      5.1163E-04   165.3       92.51       165.3       92.51            V-C  1.9285E+04  -13.32       87.80
1.000       1.000       180.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   36.69      5.2307E-04   167.1       93.62       167.1       93.62            V-C  1.9285E+04  -13.52       89.82
1.000       1.000       183.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   37.31      5.3450E-04   168.8       94.72       168.8       94.72            V-C  1.9285E+04  -13.72       91.85
1.000       1.000       186.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   36.89      4.1561E-05   170.6       90.57       170.6       90.57            V-C  1.2653E+05  -13.92       93.88
1.000       1.000       184.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   37.53      4.2989E-05   172.6       91.74       172.6       91.74            V-C  1.2653E+05  -14.12       95.90
1.000       1.000       187.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   38.17      4.4417E-05   174.6       92.91       174.6       92.91            V-C  1.2653E+05  -14.32       97.93
1.000       1.000       190.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   38.81      4.5844E-05   176.5       94.07       176.5       94.07            V-C  1.2653E+05  -14.52       99.95
1.000       1.000       194.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   39.44      4.7272E-05   178.5       95.24       178.5       95.24            V-C  1.2653E+05  -14.72       102.0
1.000       1.000       197.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   40.08      4.8700E-05   180.5       96.41       180.5       96.41            V-C  1.2653E+05  -14.92       104.0
1.000       1.000       200.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   40.72      5.0127E-05   182.5       97.58       182.5       97.58            V-C  1.2653E+05  -15.12       106.0
1.000       1.000       203.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   41.36      5.1555E-05   184.4       98.74       184.4       98.74            V-C  1.2653E+05  -15.32       108.1
1.000       1.000       206.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   42.00      5.2983E-05   186.4       99.91       186.4       99.91            V-C  1.2653E+05  -15.52       110.1
1.000       1.000       210.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   42.64      5.4410E-05   188.4       101.1       188.4       101.1            V-C  1.2653E+05  -15.72       112.1
1.000       1.000       213.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   43.28      5.5838E-05   190.4       102.2       190.4       102.2            V-C  1.2653E+05  -15.92       114.1
1.000       1.000       216.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   43.92      5.7266E-05   192.3       103.4       192.3       103.4            V-C  1.2653E+05  -16.12       116.2
1.000       1.000       219.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   44.55      5.8694E-05   194.3       104.6       194.3       104.6            V-C  1.2653E+05  -16.32       118.2
1.000       1.000       222.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   21.84       0.000       196.3       98.14       196.3       98.14            V-C  1.2653E+05  -16.52       120.2
1.000       1.000       218.4       0.000       0.000       0.000       0.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
```

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+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:47                                                 |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099                                          :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   81
C U R R E N T   T I M E   I S      1.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9956E+05 RIMNOR= 0.000
           RENORM= 7.177     REMNOR= 0.000     RATIO =0.8490E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 44.43     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9956E+05 RDR   = 0.000
           RATIOT=0.8490E-02 RATIOR= 0.000
           MAX UN= 1.039     IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           MIN UN=-.1993E-03 IEQ=    45 NODE     23 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9956E+05 RIMNOR= 0.000
           RENORM= 1.200     REMNOR= 0.000     RATIO =0.3472E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 44.43     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9956E+05 RDR   = 0.000
           RATIOT=0.3472E-02 RATIOR= 0.000
           MAX UN=0.4864     IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           MIN UN=-.7105E-14 IEQ=   113 NODE     57 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9956E+05 RIMNOR= 0.000
           RENORM=0.4846E-27 REMNOR= 0.000     RATIO =0.6976E-16 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 44.43     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9956E+05 RDR   = 0.000
           RATIOT=0.6976E-16 RATIOR= 0.000
           MAX UN=0.7105E-14 IEQ=   119 NODE     60 DOF   1  Y-DISPL.F
           MIN UN=-.7105E-14 IEQ=    75 NODE     38 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:47                                                 |
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New Project
SOLUTION REACHED USING     3 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    2     ( AT TIME   2.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
    6   3.9932794E-06    0.000000
    7   8.9403205E-06    0.000000
    8   1.3950041E-05    0.000000
    9   1.9000854E-05    0.000000
   10   2.4080076E-05    0.000000
   11   3.8614752E-05    0.000000
   12   5.4108162E-05    0.000000
   13   6.9613221E-05    0.000000
   14   8.5127387E-05    0.000000
   15   1.0064881E-04    0.000000
   16   1.1617610E-04    0.000000
   17   1.3170822E-04    0.000000
   18   1.4724442E-04    0.000000
   19   1.6278391E-04    0.000000
   20   1.7832618E-04    0.000000
   21   1.9387097E-04    0.000000
   22   1.1190201E-05    0.000000
   23   1.9985197E-05    0.000000
   24   3.1419164E-05    0.000000
   25   4.2853043E-05    0.000000
   26   5.4286948E-05    0.000000
   27   6.5720827E-05    0.000000
   28   7.7154680E-05    0.000000
   29   8.8588510E-05    0.000000
   30   1.0002226E-04    0.000000
   31   1.1145605E-04    0.000000
   32   1.2288982E-04    0.000000
   33   1.3432358E-04    0.000000
   34   1.4575731E-04    0.000000
   35   1.5719104E-04    0.000000
   36   1.6862469E-04    0.000000
   37   1.8005839E-04    0.000000
   38   1.9149207E-04    0.000000
   39   2.0292575E-04    0.000000
   40   2.1435941E-04    0.000000
   41   2.2579307E-04    0.000000
   42   2.3722671E-04    0.000000
   43   2.4866029E-04    0.000000
   44   2.6009392E-04    0.000000
   45   2.7152754E-04    0.000000
   46   2.8296116E-04    0.000000
   47   2.9439477E-04    0.000000
   48   3.0582831E-04    0.000000
   49   3.1726191E-04    0.000000
   50   3.2869579E-04    0.000000
   51   3.4012880E-04    0.000000
   52   3.5156238E-04    0.000000
   53   3.6299596E-04    0.000000
   54   3.7442953E-04    0.000000
   55   3.8586310E-04    0.000000
   56   3.9729666E-04    0.000000
   57   4.0873022E-04    0.000000
   58   4.2016378E-04    0.000000
   59   4.3159733E-04    0.000000
   60   4.4303088E-04    0.000000
   61   4.5446443E-04    0.000000
   62   4.6589797E-04    0.000000
   63   4.7733152E-04    0.000000
   64   4.8876506E-04    0.000000
   65   5.0019859E-04    0.000000
   66   5.1163213E-04    0.000000
   67   5.2306566E-04    0.000000
   68   5.3449919E-04    0.000000
   69   4.2839925E-05    0.000000
   70   4.4357919E-05    0.000000
   71   4.5875922E-05    0.000000
   72   4.7393934E-05    0.000000
   73   4.8911956E-05    0.000000
   74   5.0429987E-05    0.000000
   75   5.1948026E-05    0.000000
   76   5.3466073E-05    0.000000
   77   5.4984128E-05    0.000000
   78   5.6502191E-05    0.000000
   79   5.8020261E-05    0.000000
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80	5.9538339E-05	0.000000
81	6.1056423E-05	0.000000
82	5.9409326E-05	0.000000

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:47                                               |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      2.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000       0.000       0.000       0.000       6.080       3.040          UL-RL  5.3882E+04 -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.6127       0.000       3.800       3.064       9.880       4.940          UL-RL  5.3882E+04 -0.5200       0.000
1.000       1.000       3.064       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.020       0.000       7.600       5.098       13.68       6.840          UL-RL  5.3882E+04 -0.7200       0.000
1.000       1.000       5.098       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.412       0.000       11.40       7.058       17.48       8.740          UL-RL  5.3882E+04 -0.9200       0.000
1.000       1.000       7.058       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.798       0.000       15.20       8.992       21.28       10.64          UL-RL  5.3882E+04  -1.120       0.000
1.000       1.000       8.992       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   2.234     -3.9933E-06   19.00       11.17       25.08       12.54          UL-RL  5.3882E+04  -1.320       0.000
1.000       1.000       11.17       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.681     -8.9403E-06   22.80       13.41       28.88       14.44            ACTIVE   0.000      -1.520       0.000
1.000       1.000       13.41       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   3.128     -1.3950E-05   26.60       15.64       32.68       16.34          UL-RL  5.3882E+04  -1.720       0.000
1.000       1.000       15.64       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.575     -1.9001E-05   30.40       17.88       36.48       18.24          UL-RL  5.3882E+04  -1.920       0.000
1.000       1.000       17.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   4.022     -2.4080E-05   34.20       20.11       40.28       20.14          UL-RL  5.3882E+04  -2.120       0.000
1.000       1.000       20.11       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   4.469     -3.8615E-05   38.00       22.34       44.08       22.34            ACTIVE   0.000      -2.320       0.000
1.000       1.000       22.34       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.916     -5.4108E-05   41.80       24.58       47.88       24.58            ACTIVE   0.000      -2.520       0.000
1.000       1.000       24.58       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   5.363     -6.9613E-05   45.60       26.81       51.68       26.81            ACTIVE   0.000      -2.720       0.000
1.000       1.000       26.81       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.809     -8.5127E-05   49.40       29.05       55.48       29.05            ACTIVE   0.000      -2.920       0.000
1.000       1.000       29.05       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   6.256     -1.0065E-04   53.20       31.28       59.28       31.28            ACTIVE   0.000      -3.120       0.000
1.000       1.000       31.28       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   6.703     -1.1618E-04   57.00       33.52       63.08       33.52            ACTIVE   0.000      -3.320       0.000
1.000       1.000       33.52       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   7.150     -1.3171E-04   60.80       35.75       66.88       35.75            ACTIVE   0.000      -3.520       0.000
1.000       1.000       35.75       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   7.597     -1.4724E-04   64.60       37.98       70.68       37.98            ACTIVE   0.000      -3.720       0.000
1.000       1.000       37.98       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   8.044     -1.6278E-04   68.40       40.22       74.48       40.22            ACTIVE   0.000      -3.920       0.000
1.000       1.000       40.22       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   8.491     -1.7833E-04   72.20       42.45       78.28       42.45            ACTIVE   0.000      -4.120       0.000
1.000       1.000       42.45       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   8.938     -1.9387E-04   76.00       44.69       82.08       44.69            ACTIVE   0.000      -4.320       0.000
1.000       1.000       44.69       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   8.322     -1.1190E-05   78.02       39.83       84.10       42.05          UL-RL  6.0015E+04  -4.520       1.776
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1.000       1.000       41.61       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D    8.804     -1.9985E-05   79.85       40.27       85.93       42.97          UL-RL  6.0015E+04  -4.720       3.750
1.000       1.000       44.02       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D    9.430     -3.1419E-05   81.68       41.43       87.76       43.88          UL-RL  6.0015E+04  -4.920       5.724
1.000       1.000       47.15       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D    10.06     -4.2853E-05   83.50       42.59       89.58       44.79          UL-RL  6.0015E+04  -5.120       7.698
1.000       1.000       50.29       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D    10.68     -5.4287E-05   85.33       43.75       91.41       45.70          UL-RL  6.0015E+04  -5.320       9.672
1.000       1.000       53.42       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D    11.31     -6.5721E-05   87.15       44.91       93.23       46.62          UL-RL  6.0015E+04  -5.520       11.65
1.000       1.000       56.55       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D    11.94     -7.7155E-05   88.98       46.07       95.06       47.61          UL-RL  6.0015E+04  -5.720       13.62
1.000       1.000       59.69       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D    12.56     -8.8589E-05   90.81       47.23       96.89       48.77          UL-RL  6.0015E+04  -5.920       15.59
1.000       1.000       62.82       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D    13.19     -1.0002E-04   92.63       48.39       98.71       49.93          UL-RL  6.0015E+04  -6.120       17.57
1.000       1.000       65.96       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D    13.82     -1.1146E-04   94.46       49.55       100.5       51.09          UL-RL  6.0015E+04  -6.320       19.54
1.000       1.000       69.09       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D    14.44     -1.2289E-04   96.28       50.71       102.4       52.25          UL-RL  6.0015E+04  -6.520       21.52
1.000       1.000       72.22       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D    15.07     -1.3432E-04   98.11       51.87       104.2       53.41          UL-RL  6.0015E+04  -6.720       23.49
1.000       1.000       75.36       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D    15.70     -1.4576E-04   99.94       53.03       106.0       54.57          UL-RL  6.0015E+04  -6.920       25.46
1.000       1.000       78.49       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D    16.33     -1.5719E-04   101.8       54.19       107.8       55.73          UL-RL  6.0015E+04  -7.120       27.44
1.000       1.000       81.63       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D    16.95     -1.6862E-04   103.6       55.35       109.7       56.89          UL-RL  6.0015E+04  -7.320       29.41
1.000       1.000       84.76       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D    17.58     -1.8006E-04   105.4       56.51       111.5       58.05          UL-RL  6.0015E+04  -7.520       31.39
1.000       1.000       87.89       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D    18.21     -1.9149E-04   107.2       57.67       113.3       59.21          UL-RL  6.0015E+04  -7.720       33.36
1.000       1.000       91.03       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D    18.83     -2.0293E-04   109.1       58.83       115.1       60.37          UL-RL  6.0015E+04  -7.920       35.33
1.000       1.000       94.16       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D    19.46     -2.1436E-04   110.9       59.99       117.0       61.53          UL-RL  6.0015E+04  -8.120       37.31
1.000       1.000       97.29       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D    20.09     -2.2579E-04   112.7       61.15       118.8       62.69          UL-RL  6.0015E+04  -8.320       39.28
1.000       1.000       100.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D    20.71     -2.3723E-04   114.5       62.31       120.6       63.85          UL-RL  6.0015E+04  -8.520       41.26
1.000       1.000       103.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D    21.34     -2.4866E-04   116.4       63.47       122.5       65.01          UL-RL  6.0015E+04  -8.720       43.23
1.000       1.000       106.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D    21.97     -2.6009E-04   118.2       64.63       124.3       66.17          UL-RL  6.0015E+04  -8.920       45.20
1.000       1.000       109.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D    22.59     -2.7153E-04   120.0       65.79       126.1       67.33          UL-RL  6.0015E+04  -9.120       47.18
1.000       1.000       113.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D    23.22     -2.8296E-04   121.8       66.95       127.9       68.48          UL-RL  6.0015E+04  -9.320       49.15
1.000       1.000       116.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D    23.85     -2.9439E-04   123.7       68.11       129.8       69.64          UL-RL  6.0015E+04  -9.520       51.13
1.000       1.000       119.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D    24.47     -3.0583E-04   125.5       69.27       131.6       70.80          UL-RL  6.0015E+04  -9.720       53.10
1.000       1.000       122.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D    25.10     -3.1726E-04   127.3       70.43       133.4       71.96          UL-RL  6.0015E+04  -9.920       55.07
1.000       1.000       125.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D    25.73     -3.2870E-04   129.2       71.59       135.2       73.12          UL-RL  6.0015E+04  -10.12       57.05
1.000       1.000       128.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D    26.35     -3.4013E-04   131.0       72.75       137.1       74.28          UL-RL  6.0015E+04  -10.32       59.02
1.000       1.000       131.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D    26.98     -3.5156E-04   132.8       73.91       138.9       75.44          UL-RL  6.0015E+04  -10.52       61.00
1.000       1.000       134.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   27.61     -3.6300E-04   134.6       75.06       140.7       76.60          UL-RL  6.0015E+04  -10.72       62.97
1.000       1.000       138.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   28.23     -3.7443E-04   136.5       76.22       142.5       77.76          UL-RL  6.0015E+04  -10.92       64.94
1.000       1.000       141.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   28.86     -3.8586E-04   138.3       77.38       144.4       78.92          UL-RL  6.0015E+04  -11.12       66.92
1.000       1.000       144.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   29.49     -3.9730E-04   140.1       78.54       146.2       80.08          UL-RL  6.0015E+04  -11.32       68.89
1.000       1.000       147.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   30.11     -4.0873E-04   141.9       79.70       148.0       81.24          UL-RL  6.0015E+04  -11.52       70.86
1.000       1.000       150.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   30.74     -4.2016E-04   143.8       80.86       149.8       82.40          UL-RL  6.0015E+04  -11.72       72.84
1.000       1.000       153.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   31.37     -4.3160E-04   145.6       82.02       151.7       83.56          UL-RL  6.0015E+04  -11.92       74.81
1.000       1.000       156.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   31.99     -4.4303E-04   147.4       83.18       153.5       84.72          UL-RL  6.0015E+04  -12.12       76.79
1.000       1.000       160.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   32.62     -4.5446E-04   149.2       84.34       155.3       85.88          UL-RL  6.0015E+04  -12.32       78.76
1.000       1.000       163.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   33.25     -4.6590E-04   151.1       85.50       157.1       87.04          UL-RL  6.0015E+04  -12.52       80.73
1.000       1.000       166.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   33.87     -4.7733E-04   152.9       86.66       159.0       88.20          UL-RL  6.0015E+04  -12.72       82.71
1.000       1.000       169.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   34.50     -4.8877E-04   154.7       87.82       160.8       89.36          UL-RL  6.0015E+04  -12.92       84.68
1.000       1.000       172.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   35.13     -5.0020E-04   156.5       88.98       162.6       90.52          UL-RL  6.0015E+04  -13.12       86.66
1.000       1.000       175.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   35.75     -5.1163E-04   158.4       90.14       164.4       91.68          UL-RL  6.0015E+04  -13.32       88.63
1.000       1.000       178.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   36.38     -5.2307E-04   160.2       91.30       166.3       92.83          UL-RL  6.0015E+04  -13.52       90.60
1.000       1.000       181.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   37.01     -5.3450E-04   162.0       92.46       168.1       93.99          UL-RL  6.0015E+04  -13.72       92.58
1.000       1.000       185.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   36.68     -4.2840E-05   163.9       88.85       169.9       89.89          UL-RL  4.0656E+05  -13.92       94.55
1.000       1.000       183.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   37.33     -4.4358E-05   165.9       90.10       172.0       91.11          UL-RL  4.0656E+05  -14.12       96.53
1.000       1.000       186.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   37.97     -4.5876E-05   167.9       91.35       174.0       92.33          UL-RL  4.0656E+05  -14.32       98.50
1.000       1.000       189.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   38.62     -4.7394E-05   169.9       92.61       176.0       93.55          UL-RL  4.0656E+05  -14.52       100.5
1.000       1.000       193.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   39.26     -4.8912E-05   172.0       93.86       178.1       94.77          UL-RL  4.0656E+05  -14.72       102.4
1.000       1.000       196.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   39.91     -5.0430E-05   174.0       95.12       180.1       95.99          UL-RL  4.0656E+05  -14.92       104.4
1.000       1.000       199.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   40.55     -5.1948E-05   176.0       96.37       182.1       97.21          UL-RL  4.0656E+05  -15.12       106.4
1.000       1.000       202.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   41.20     -5.3466E-05   178.0       97.62       184.1       98.43          UL-RL  4.0656E+05  -15.32       108.4
1.000       1.000       206.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   41.84     -5.4984E-05   180.1       98.88       186.2       99.65          UL-RL  4.0656E+05  -15.52       110.3
1.000       1.000       209.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   42.49     -5.6502E-05   182.1       100.1       188.2       100.9          UL-RL  4.0656E+05  -15.72       112.3
1.000       1.000       212.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   43.14     -5.8020E-05   184.1       101.4       190.2       102.1          UL-RL  4.0656E+05  -15.92       114.3
1.000       1.000       215.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   43.78     -5.9538E-05   186.2       102.6       192.2       103.3          UL-RL  4.0656E+05  -16.12       116.3
1.000       1.000       218.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   44.43     -6.1056E-05   188.2       103.9       194.3       104.5          UL-RL  4.0656E+05  -16.32       118.2
1.000       1.000       222.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   22.54     -5.9409E-05   190.2       105.1       196.3       105.1           ACTIVE   0.000      -16.52       120.2
1.000       1.000       225.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:47                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      2.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
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-----------------------------------------------
   1 D   0.000       0.000       0.000       0.000       6.080       3.040          UL-RL  6.4441E+04 -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.6127       0.000       3.800       3.064       9.880       4.940          UL-RL  6.4441E+04 -0.5200       0.000
1.000       1.000       3.064       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.020       0.000       7.600       5.098       13.68       6.840          UL-RL  6.4441E+04 -0.7200       0.000
1.000       1.000       5.098       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.412       0.000       11.40       7.058       17.48       8.740          UL-RL  6.4441E+04 -0.9200       0.000
1.000       1.000       7.058       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.798       0.000       15.20       8.992       21.28       10.64          UL-RL  6.4441E+04  -1.120       0.000
1.000       1.000       8.992       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   2.234      3.9933E-06   19.00       11.17       25.08       12.54          UL-RL  6.4441E+04  -1.320       0.000
1.000       1.000       11.17       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.681      8.9403E-06   22.80       13.41       28.88       14.44          UL-RL  6.4441E+04  -1.520       0.000
1.000       1.000       13.41       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   3.128      1.3950E-05   26.60       15.64       32.68       16.34          UL-RL  6.4441E+04  -1.720       0.000
1.000       1.000       15.64       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.575      1.9001E-05   30.40       17.88       36.48       18.24          UL-RL  6.4441E+04  -1.920       0.000
1.000       1.000       17.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   4.022      2.4080E-05   34.20       20.11       40.28       20.14          UL-RL  6.4441E+04  -2.120       0.000
1.000       1.000       20.11       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   4.469      3.8615E-05   38.00       22.34       44.08       22.34            V-C  2.1480E+04  -2.320       0.000
1.000       1.000       22.34       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.916      5.4108E-05   41.80       24.58       47.88       24.58            V-C  2.1480E+04  -2.520       0.000
1.000       1.000       24.58       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   5.363      6.9613E-05   45.60       26.81       51.68       26.81            V-C  2.1480E+04  -2.720       0.000
1.000       1.000       26.81       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.809      8.5127E-05   49.40       29.05       55.48       29.05            V-C  2.1480E+04  -2.920       0.000
1.000       1.000       29.05       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   6.256      1.0065E-04   53.20       31.28       59.28       31.28            V-C  2.1480E+04  -3.120       0.000
1.000       1.000       31.28       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   6.703      1.1618E-04   57.00       33.52       63.08       33.52            V-C  2.1480E+04  -3.320       0.000
1.000       1.000       33.52       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   7.150      1.3171E-04   60.80       35.75       66.88       35.75            V-C  2.1480E+04  -3.520       0.000
1.000       1.000       35.75       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   7.597      1.4724E-04   64.60       37.98       70.68       37.98            V-C  2.1480E+04  -3.720       0.000
1.000       1.000       37.98       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   8.044      1.6278E-04   68.40       40.22       74.48       40.22            V-C  2.1480E+04  -3.920       0.000
1.000       1.000       40.22       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   8.491      1.7833E-04   72.20       42.45       78.28       42.45            V-C  2.1480E+04  -4.120       0.000
1.000       1.000       42.45       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   8.938      1.9387E-04   76.00       44.69       82.08       44.69            V-C  2.1480E+04  -4.320       0.000
1.000       1.000       44.69       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   8.322      1.1190E-05   79.80       41.61       85.88       43.16          UL-RL  5.7856E+04  -4.520       0.000
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1.000       1.000       41.61       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D    8.804       1.9985E-05  82.92       43.34       89.00       44.89          UL-RL  5.7856E+04  -4.720       0.6798
1.000       1.000       44.02       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D    9.430       3.1419E-05  84.69       44.45       90.77       45.99          UL-RL  5.7856E+04  -4.920       2.706
1.000       1.000       47.15       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D    10.06       4.2853E-05  86.47       45.55       92.55       47.10          UL-RL  5.7856E+04  -5.120       4.732
1.000       1.000       50.29       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D    10.68       5.4287E-05  88.24       46.66       94.32       48.21          UL-RL  5.7856E+04  -5.320       6.758
1.000       1.000       53.42       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D    11.31       6.5721E-05  90.02       47.77       96.10       49.32          UL-RL  5.7856E+04  -5.520       8.784
1.000       1.000       56.55       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D    11.94       7.7155E-05  91.79       48.88       97.87       50.42          UL-RL  5.7856E+04  -5.720       10.81
1.000       1.000       59.69       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D    12.56       8.8589E-05  93.56       49.99       99.64       51.53          UL-RL  5.7856E+04  -5.920       12.84
1.000       1.000       62.82       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D    13.19       1.0002E-04  95.34       51.09       101.4       52.64          UL-RL  5.7856E+04  -6.120       14.86
1.000       1.000       65.96       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D    13.82       1.1146E-04  97.11       52.20       103.2       53.75          UL-RL  5.7856E+04  -6.320       16.89
1.000       1.000       69.09       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D    14.44       1.2289E-04  98.89       53.31       105.0       54.85          UL-RL  5.7856E+04  -6.520       18.91
1.000       1.000       72.22       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D    15.07       1.3432E-04  100.7       54.42       106.7       55.96          UL-RL  5.7856E+04  -6.720       20.94
1.000       1.000       75.36       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D    15.70       1.4576E-04  102.4       55.53       108.5       57.07          UL-RL  5.7856E+04  -6.920       22.97
1.000       1.000       78.49       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D    16.33       1.5719E-04  104.2       56.63       110.3       58.18          UL-RL  5.7856E+04  -7.120       24.99
1.000       1.000       81.63       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D    16.95       1.6862E-04  106.0       57.74       112.1       59.28          UL-RL  5.7856E+04  -7.320       27.02
1.000       1.000       84.76       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D    17.58       1.8006E-04  107.8       58.85       113.8       60.39          UL-RL  5.7856E+04  -7.520       29.04
1.000       1.000       87.89       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D    18.21       1.9149E-04  109.5       59.96       115.6       61.50          UL-RL  5.7856E+04  -7.720       31.07
1.000       1.000       91.03       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D    18.83       2.0293E-04  111.3       61.07       117.4       62.61          UL-RL  5.7856E+04  -7.920       33.10
1.000       1.000       94.16       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D    19.46       2.1436E-04  113.1       62.17       119.2       63.71          UL-RL  5.7856E+04  -8.120       35.12
1.000       1.000       97.29       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D    20.09       2.2579E-04  114.9       63.28       120.9       64.82          UL-RL  5.7856E+04  -8.320       37.15
1.000       1.000       100.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D    20.71       2.3723E-04  116.6       64.39       122.7       65.93          UL-RL  5.7856E+04  -8.520       39.17
1.000       1.000       103.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D    21.34       2.4866E-04  118.4       65.50       124.5       67.04          UL-RL  5.7856E+04  -8.720       41.20
1.000       1.000       106.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D    21.97       2.6009E-04  120.2       66.60       126.3       68.14          UL-RL  5.7856E+04  -8.920       43.23
1.000       1.000       109.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D    22.59       2.7153E-04  121.9       67.71       128.0       69.25          UL-RL  5.7856E+04  -9.120       45.25
1.000       1.000       113.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D    23.22       2.8296E-04  123.7       68.82       129.8       70.36          UL-RL  5.7856E+04  -9.320       47.28
1.000       1.000       116.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D    23.85       2.9439E-04  125.5       69.93       131.6       71.47          UL-RL  5.7856E+04  -9.520       49.30
1.000       1.000       119.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D    24.47       3.0583E-04  127.3       71.04       133.3       72.57          UL-RL  5.7856E+04  -9.720       51.33
1.000       1.000       122.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D    25.10       3.1726E-04  129.0       72.14       135.1       73.68          UL-RL  5.7856E+04  -9.920       53.36
1.000       1.000       125.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D    25.73       3.2870E-04  130.8       73.25       136.9       74.79          UL-RL  5.7856E+04  -10.12       55.38
1.000       1.000       128.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D    26.35       3.4013E-04  132.6       74.36       138.7       75.90          UL-RL  5.7856E+04  -10.32       57.41
1.000       1.000       131.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D    26.98       3.5156E-04  134.4       75.47       140.4       77.00          UL-RL  5.7856E+04  -10.52       59.43
1.000       1.000       134.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   27.61      3.6300E-04   136.1       76.57       142.2       78.11          UL-RL  5.7856E+04  -10.72       61.46
1.000       1.000       138.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   28.23      3.7443E-04   137.9       77.68       144.0       79.22          UL-RL  5.7856E+04  -10.92       63.49
1.000       1.000       141.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   28.86      3.8586E-04   139.7       78.79       145.8       80.33          UL-RL  5.7856E+04  -11.12       65.51
1.000       1.000       144.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   29.49      3.9730E-04   141.5       79.90       147.5       81.43          UL-RL  5.7856E+04  -11.32       67.54
1.000       1.000       147.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   30.11      4.0873E-04   143.2       81.00       149.3       82.54          UL-RL  5.7856E+04  -11.52       69.56
1.000       1.000       150.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   30.74      4.2016E-04   145.0       82.11       151.1       83.65          UL-RL  5.7856E+04  -11.72       71.59
1.000       1.000       153.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   31.37      4.3160E-04   146.8       83.22       152.9       84.76          UL-RL  5.7856E+04  -11.92       73.62
1.000       1.000       156.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   31.99      4.4303E-04   148.6       84.33       154.6       85.86          UL-RL  5.7856E+04  -12.12       75.64
1.000       1.000       160.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   32.62      4.5446E-04   150.3       85.44       156.4       86.97          UL-RL  5.7856E+04  -12.32       77.67
1.000       1.000       163.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   33.25      4.6590E-04   152.1       86.54       158.2       88.08          UL-RL  5.7856E+04  -12.52       79.69
1.000       1.000       166.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   33.87      4.7733E-04   153.9       87.65       160.0       89.19          UL-RL  5.7856E+04  -12.72       81.72
1.000       1.000       169.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   34.50      4.8877E-04   155.7       88.76       161.7       90.29          UL-RL  5.7856E+04  -12.92       83.75
1.000       1.000       172.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   35.13      5.0020E-04   157.4       89.87       163.5       91.40          UL-RL  5.7856E+04  -13.12       85.77
1.000       1.000       175.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   35.75      5.1163E-04   159.2       90.97       165.3       92.51          UL-RL  5.7856E+04  -13.32       87.80
1.000       1.000       178.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   36.38      5.2307E-04   161.0       92.08       167.1       93.62          UL-RL  5.7856E+04  -13.52       89.82
1.000       1.000       181.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   37.01      5.3450E-04   162.7       93.19       168.8       94.72          UL-RL  5.7856E+04  -13.72       91.85
1.000       1.000       185.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   36.68      4.2840E-05   164.5       89.52       170.6       90.57          UL-RL  3.7958E+05  -13.92       93.88
1.000       1.000       183.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   37.33      4.4358E-05   166.5       90.72       172.6       91.74          UL-RL  3.7958E+05  -14.12       95.90
1.000       1.000       186.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   37.97      4.5876E-05   168.5       91.93       174.6       92.91          UL-RL  3.7958E+05  -14.32       97.93
1.000       1.000       189.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   38.62      4.7394E-05   170.5       93.13       176.5       94.07          UL-RL  3.7958E+05  -14.52       99.95
1.000       1.000       193.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   39.26      4.8912E-05   172.4       94.33       178.5       95.24          UL-RL  3.7958E+05  -14.72       102.0
1.000       1.000       196.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   39.91      5.0430E-05   174.4       95.53       180.5       96.41          UL-RL  3.7958E+05  -14.92       104.0
1.000       1.000       199.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   40.55      5.1948E-05   176.4       96.73       182.5       97.58          UL-RL  3.7958E+05  -15.12       106.0
1.000       1.000       202.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   41.20      5.3466E-05   178.4       97.94       184.4       98.74          UL-RL  3.7958E+05  -15.32       108.1
1.000       1.000       206.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   41.84      5.4984E-05   180.3       99.14       186.4       99.91          UL-RL  3.7958E+05  -15.52       110.1
1.000       1.000       209.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   42.49      5.6502E-05   182.3       100.3       188.4       101.1          UL-RL  3.7958E+05  -15.72       112.1
1.000       1.000       212.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   43.14      5.8020E-05   184.3       101.5       190.4       102.2          UL-RL  3.7958E+05  -15.92       114.1
1.000       1.000       215.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   43.78      5.9538E-05   186.3       102.7       192.3       103.4          UL-RL  3.7958E+05  -16.12       116.2
1.000       1.000       218.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   44.43      6.1056E-05   188.2       103.9       194.3       104.6          UL-RL  3.7958E+05  -16.32       118.2
1.000       1.000       222.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   22.54      5.9409E-05   190.2       105.1       196.3       105.1            V-C  1.2653E+05  -16.52       120.2
1.000       1.000       225.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:47                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099                                          :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   81
C U R R E N T   T I M E   I S      2.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9985E+05 RIMNOR= 0.000
           RENORM=0.4846E-27 REMNOR= 0.000     RATIO =0.6966E-16 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 44.43     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9985E+05 RDR   = 0.000
           RATIOT=0.6966E-16 RATIOR= 0.000
           MAX UN=0.7105E-14 IEQ=   119 NODE     60 DOF   1  Y-DISPL.F
           MIN UN=-.7105E-14 IEQ=    75 NODE     38 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9985E+05 RIMNOR= 0.000
           RENORM=0.7986E-20 REMNOR=0.1013E-21 RATIO =0.2828E-12 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 44.43     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9985E+05 RDR   = 0.000
           RATIOT=0.2828E-12 RATIOR= 0.000
           MAX UN=0.4946E-10 IEQ=    51 NODE     26 DOF   1  Y-DISPL.F
           MIN UN=-.4963E-10 IEQ=    53 NODE     27 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9985E+05 RIMNOR= 0.000
           RENORM=0.3136E-19 REMNOR=0.3028E-21 RATIO =0.5604E-12 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 44.43     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9985E+05 RDR   = 0.000
           RATIOT=0.5604E-12 RATIOR= 0.000
           MAX UN=0.9897E-10 IEQ=    61 NODE     31 DOF   1  Y-DISPL.F
           MIN UN=-.9927E-10 IEQ=    63 NODE     32 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:47                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    3     ( AT TIME   3.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
    6   3.9932794E-06  -1.9227727E-21
    7   8.9403205E-06  -1.9205279E-21
    8   1.3950041E-05  -1.9143171E-21
    9   1.9000854E-05  -1.9040975E-21
   10   2.4080076E-05  -1.8897518E-21
   11   3.8614752E-05  -1.8709246E-21
   12   5.4108162E-05  -1.8471869E-21
   13   6.9613221E-05  -1.8180370E-21
   14   8.5127387E-05  -1.7829018E-21
   15   1.0064881E-04  -1.7374934E-21
   16   1.1617610E-04  -1.6810988E-21
   17   1.3170822E-04  -1.6165816E-21
   18   1.4724442E-04  -1.5430956E-21
   19   1.6278391E-04  -1.4597333E-21
   20   1.7832618E-04  -1.3655266E-21
   21   1.9387097E-04  -1.2594497E-21
   22   1.1190201E-05  -1.1477130E-21
   23   1.9985197E-05  -1.0369717E-21
   24   3.1419164E-05  -9.2720578E-22
   25   4.2853043E-05  -8.1851970E-22
   26   5.4286948E-05  -7.2555621E-22
   27   6.5720827E-05  -6.4835206E-22
   28   7.7154680E-05  -5.7168406E-22
   29   8.8588510E-05  -4.9422441E-22
   30   1.0002226E-04  -4.1462355E-22
   31   1.1145605E-04  -3.3151168E-22
   32   1.2288982E-04  -2.2892826E-22
   33   1.3432358E-04  -9.0899710E-23
   34   1.4575731E-04   8.3980366E-23
   35   1.5719104E-04   2.9712163E-22
   36   1.6862469E-04   5.3535318E-22
   37   1.8005839E-04   7.8549609E-22
   38   1.9149207E-04   1.0489229E-21
   39   2.0292575E-04   1.2978252E-21
   40   2.1435941E-04   1.5043540E-21
   41   2.2579307E-04   1.6697622E-21
   42   2.3722671E-04   1.7952446E-21
   43   2.4866029E-04   1.8819316E-21
   44   2.6009392E-04   1.9308852E-21
   45   2.7152754E-04   1.9576696E-21
   46   2.8296116E-04   1.9777749E-21
   47   2.9439477E-04   1.9920395E-21
   48   3.0582831E-04   2.0158013E-21
   49   3.1726191E-04   2.0788970E-21
   50   3.2869579E-04   2.1965128E-21
   51   3.4012880E-04   2.3400099E-21
   52   3.5156238E-04   2.4515422E-21
   53   3.6299596E-04   2.5023014E-21
   54   3.7442953E-04   2.4779675E-21
   55   3.8586310E-04   2.3932761E-21
   56   3.9729666E-04   2.2628671E-21
   57   4.0873022E-04   2.0721367E-21
   58   4.2016378E-04   1.8501213E-21
   59   4.3159733E-04   1.5966256E-21
   60   4.4303088E-04   1.2968072E-21
   61   4.5446443E-04   9.9406553E-22
   62   4.6589797E-04   7.1717413E-22
   63   4.7733152E-04   4.6571611E-22
   64   4.8876506E-04   2.3924672E-22
   65   5.0019859E-04   3.7303027E-23
   66   5.1163213E-04  -1.4058731E-22
   67   5.2306566E-04  -2.9489824E-22
   68   5.3449919E-04  -4.2609842E-22
   69   4.2839925E-05  -5.3464525E-22
   70   4.4357919E-05  -6.2220363E-22
   71   4.5875922E-05  -6.9157815E-22
   72   4.7393934E-05  -7.4541363E-22
   73   4.8911956E-05  -7.8617711E-22
   74   5.0429987E-05  -8.1614388E-22
   75   5.1948026E-05  -8.3738681E-22
   76   5.3466073E-05  -8.5176859E-22
   77   5.4984128E-05  -8.6093610E-22
   78   5.6502191E-05  -8.6631671E-22
   79   5.8020261E-05  -8.6911579E-22
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80   5.9538339E-05  -8.7031527E-22
81   6.1056423E-05  -8.7067293E-22
82   5.9409326E-05  -8.7072199E-22
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:47                                               |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                        :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      3.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -1.4315E-21   0.000       0.000       6.080       3.040          ACTIVE   0.000     -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.6127     -1.0468E-21   3.800       3.064       9.880       4.940          UL-RL  5.3882E+04 -0.5200       0.000
1.000       1.000       3.064       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.020     -6.6220E-22   7.600       5.098       13.68       6.840          UL-RL  5.3882E+04 -0.7200       0.000
1.000       1.000       5.098       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.412     -2.7757E-22   11.40       7.058       17.48       8.740          UL-RL  5.3882E+04 -0.9200       0.000
1.000       1.000       7.058       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.798      1.0705E-22   15.20       8.992       21.28       10.64          UL-RL  5.3882E+04  -1.120       0.000
1.000       1.000       8.992       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   2.234     -3.9933E-06   19.00       11.17       25.08       12.54          UL-RL  5.3882E+04  -1.320       0.000
1.000       1.000       11.17       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.681     -8.9403E-06   22.80       13.41       28.88       14.44          UL-RL  5.3882E+04  -1.520       0.000
1.000       1.000       13.41       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   3.128     -1.3950E-05   26.60       15.64       32.68       16.34          UL-RL  5.3882E+04  -1.720       0.000
1.000       1.000       15.64       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.575     -1.9001E-05   30.40       17.88       36.48       18.24          UL-RL  5.3882E+04  -1.920       0.000
1.000       1.000       17.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   4.022     -2.4080E-05   34.20       20.11       40.28       20.14          UL-RL  5.3882E+04  -2.120       0.000
1.000       1.000       20.11       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   4.469     -3.8615E-05   38.00       22.34       44.08       22.34          UL-RL  5.3882E+04  -2.320       0.000
1.000       1.000       22.34       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.916     -5.4108E-05   41.80       24.58       47.88       24.58          UL-RL  5.3882E+04  -2.520       0.000
1.000       1.000       24.58       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   5.363     -6.9613E-05   45.60       26.81       51.68       26.81          UL-RL  5.3882E+04  -2.720       0.000
1.000       1.000       26.81       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.809     -8.5127E-05   49.40       29.05       55.48       29.05          UL-RL  5.3882E+04  -2.920       0.000
1.000       1.000       29.05       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   6.256     -1.0065E-04   53.20       31.28       59.28       31.28          UL-RL  5.3882E+04  -3.120       0.000
1.000       1.000       31.28       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   6.703     -1.1618E-04   57.00       33.52       63.08       33.52          UL-RL  5.3882E+04  -3.320       0.000
1.000       1.000       33.52       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   7.150     -1.3171E-04   60.80       35.75       66.88       35.75          UL-RL  5.3882E+04  -3.520       0.000
1.000       1.000       35.75       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   7.597     -1.4724E-04   64.60       37.98       70.68       37.98          UL-RL  5.3882E+04  -3.720       0.000
1.000       1.000       37.98       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   8.044     -1.6278E-04   68.40       40.22       74.48       40.22          UL-RL  5.3882E+04  -3.920       0.000
1.000       1.000       40.22       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   8.491     -1.7833E-04   72.20       42.45       78.28       42.45          UL-RL  5.3882E+04  -4.120       0.000
1.000       1.000       42.45       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   8.938     -1.9387E-04   76.00       44.69       82.08       44.69          UL-RL  5.3882E+04  -4.320       0.000
1.000       1.000       44.69       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   8.322     -1.1190E-05   78.02       39.83       84.10       42.05          UL-RL  6.0015E+04  -4.520       1.776
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1.000       1.000       41.61       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D    8.804     -1.9985E-05   79.85       40.27       85.93       42.97          UL-RL  6.0015E+04  -4.720       3.750
1.000       1.000       44.02       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D    9.430     -3.1419E-05   81.68       41.43       87.76       43.88          UL-RL  6.0015E+04  -4.920       5.724
1.000       1.000       47.15       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D    10.06     -4.2853E-05   83.50       42.59       89.58       44.79          UL-RL  6.0015E+04  -5.120       7.698
1.000       1.000       50.29       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D    10.68     -5.4287E-05   85.33       43.75       91.41       45.70          UL-RL  6.0015E+04  -5.320       9.672
1.000       1.000       53.42       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D    11.31     -6.5721E-05   87.15       44.91       93.23       46.62          UL-RL  6.0015E+04  -5.520       11.65
1.000       1.000       56.55       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D    11.94     -7.7155E-05   88.98       46.07       95.06       47.61          UL-RL  6.0015E+04  -5.720       13.62
1.000       1.000       59.69       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D    12.56     -8.8589E-05   90.81       47.23       96.89       48.77          UL-RL  6.0015E+04  -5.920       15.59
1.000       1.000       62.82       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D    13.19     -1.0002E-04   92.63       48.39       98.71       49.93          UL-RL  6.0015E+04  -6.120       17.57
1.000       1.000       65.96       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D    13.82     -1.1146E-04   94.46       49.55       100.5       51.09          UL-RL  6.0015E+04  -6.320       19.54
1.000       1.000       69.09       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D    14.44     -1.2289E-04   96.28       50.71       102.4       52.25          UL-RL  6.0015E+04  -6.520       21.52
1.000       1.000       72.22       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D    15.07     -1.3432E-04   98.11       51.87       104.2       53.41          UL-RL  6.0015E+04  -6.720       23.49
1.000       1.000       75.36       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D    15.70     -1.4576E-04   99.94       53.03       106.0       54.57          UL-RL  6.0015E+04  -6.920       25.46
1.000       1.000       78.49       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D    16.33     -1.5719E-04   101.8       54.19       107.8       55.73          UL-RL  6.0015E+04  -7.120       27.44
1.000       1.000       81.63       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D    16.95     -1.6862E-04   103.6       55.35       109.7       56.89          UL-RL  6.0015E+04  -7.320       29.41
1.000       1.000       84.76       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D    17.58     -1.8006E-04   105.4       56.51       111.5       58.05          UL-RL  6.0015E+04  -7.520       31.39
1.000       1.000       87.89       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D    18.21     -1.9149E-04   107.2       57.67       113.3       59.21          UL-RL  6.0015E+04  -7.720       33.36
1.000       1.000       91.03       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D    18.83     -2.0293E-04   109.1       58.83       115.1       60.37          UL-RL  6.0015E+04  -7.920       35.33
1.000       1.000       94.16       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D    19.46     -2.1436E-04   110.9       59.99       117.0       61.53          UL-RL  6.0015E+04  -8.120       37.31
1.000       1.000       97.29       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D    20.09     -2.2579E-04   112.7       61.15       118.8       62.69          UL-RL  6.0015E+04  -8.320       39.28
1.000       1.000       100.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D    20.71     -2.3723E-04   114.5       62.31       120.6       63.85          UL-RL  6.0015E+04  -8.520       41.26
1.000       1.000       103.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D    21.34     -2.4866E-04   116.4       63.47       122.5       65.01          UL-RL  6.0015E+04  -8.720       43.23
1.000       1.000       106.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D    21.97     -2.6009E-04   118.2       64.63       124.3       66.17          UL-RL  6.0015E+04  -8.920       45.20
1.000       1.000       109.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D    22.59     -2.7153E-04   120.0       65.79       126.1       67.33          UL-RL  6.0015E+04  -9.120       47.18
1.000       1.000       113.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D    23.22     -2.8296E-04   121.8       66.95       127.9       68.48          UL-RL  6.0015E+04  -9.320       49.15
1.000       1.000       116.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D    23.85     -2.9439E-04   123.7       68.11       129.8       69.64          UL-RL  6.0015E+04  -9.520       51.13
1.000       1.000       119.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D    24.47     -3.0583E-04   125.5       69.27       131.6       70.80          UL-RL  6.0015E+04  -9.720       53.10
1.000       1.000       122.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D    25.10     -3.1726E-04   127.3       70.43       133.4       71.96          UL-RL  6.0015E+04  -9.920       55.07
1.000       1.000       125.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D    25.73     -3.2870E-04   129.2       71.59       135.2       73.12          UL-RL  6.0015E+04  -10.12       57.05
1.000       1.000       128.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D    26.35     -3.4013E-04   131.0       72.75       137.1       74.28          UL-RL  6.0015E+04  -10.32       59.02
1.000       1.000       131.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D    26.98     -3.5156E-04   132.8       73.91       138.9       75.44          UL-RL  6.0015E+04  -10.52       61.00
1.000       1.000       134.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   27.61     -3.6300E-04   134.6       75.06       140.7       76.60          UL-RL  6.0015E+04  -10.72       62.97
1.000       1.000       138.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   28.23     -3.7443E-04   136.5       76.22       142.5       77.76          UL-RL  6.0015E+04  -10.92       64.94
1.000       1.000       141.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   28.86     -3.8586E-04   138.3       77.38       144.4       78.92          UL-RL  6.0015E+04  -11.12       66.92
1.000       1.000       144.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   29.49     -3.9730E-04   140.1       78.54       146.2       80.08          UL-RL  6.0015E+04  -11.32       68.89
1.000       1.000       147.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   30.11     -4.0873E-04   141.9       79.70       148.0       81.24          UL-RL  6.0015E+04  -11.52       70.86
1.000       1.000       150.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   30.74     -4.2016E-04   143.8       80.86       149.8       82.40          UL-RL  6.0015E+04  -11.72       72.84
1.000       1.000       153.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   31.37     -4.3160E-04   145.6       82.02       151.7       83.56          UL-RL  6.0015E+04  -11.92       74.81
1.000       1.000       156.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   31.99     -4.4303E-04   147.4       83.18       153.5       84.72          UL-RL  6.0015E+04  -12.12       76.79
1.000       1.000       160.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   32.62     -4.5446E-04   149.2       84.34       155.3       85.88          UL-RL  6.0015E+04  -12.32       78.76
1.000       1.000       163.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   33.25     -4.6590E-04   151.1       85.50       157.1       87.04          UL-RL  6.0015E+04  -12.52       80.73
1.000       1.000       166.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   33.87     -4.7733E-04   152.9       86.66       159.0       88.20          UL-RL  6.0015E+04  -12.72       82.71
1.000       1.000       169.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   34.50     -4.8877E-04   154.7       87.82       160.8       89.36          UL-RL  6.0015E+04  -12.92       84.68
1.000       1.000       172.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   35.13     -5.0020E-04   156.5       88.98       162.6       90.52          UL-RL  6.0015E+04  -13.12       86.66
1.000       1.000       175.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   35.75     -5.1163E-04   158.4       90.14       164.4       91.68          UL-RL  6.0015E+04  -13.32       88.63
1.000       1.000       178.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   36.38     -5.2307E-04   160.2       91.30       166.3       92.83          UL-RL  6.0015E+04  -13.52       90.60
1.000       1.000       181.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   37.01     -5.3450E-04   162.0       92.46       168.1       93.99          UL-RL  6.0015E+04  -13.72       92.58
1.000       1.000       185.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   36.68     -4.2840E-05   163.9       88.85       169.9       89.89          UL-RL  4.0656E+05  -13.92       94.55
1.000       1.000       183.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   37.33     -4.4358E-05   165.9       90.10       172.0       91.11          UL-RL  4.0656E+05  -14.12       96.53
1.000       1.000       186.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   37.97     -4.5876E-05   167.9       91.35       174.0       92.33          UL-RL  4.0656E+05  -14.32       98.50
1.000       1.000       189.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   38.62     -4.7394E-05   169.9       92.61       176.0       93.55          UL-RL  4.0656E+05  -14.52       100.5
1.000       1.000       193.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   39.26     -4.8912E-05   172.0       93.86       178.1       94.77          UL-RL  4.0656E+05  -14.72       102.4
1.000       1.000       196.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   39.91     -5.0430E-05   174.0       95.12       180.1       95.99          UL-RL  4.0656E+05  -14.92       104.4
1.000       1.000       199.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   40.55     -5.1948E-05   176.0       96.37       182.1       97.21          UL-RL  4.0656E+05  -15.12       106.4
1.000       1.000       202.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   41.20     -5.3466E-05   178.0       97.62       184.1       98.43          UL-RL  4.0656E+05  -15.32       108.4
1.000       1.000       206.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   41.84     -5.4984E-05   180.1       98.88       186.2       99.65          UL-RL  4.0656E+05  -15.52       110.3
1.000       1.000       209.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   42.49     -5.6502E-05   182.1       100.1       188.2       100.9          UL-RL  4.0656E+05  -15.72       112.3
1.000       1.000       212.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   43.14     -5.8020E-05   184.1       101.4       190.2       102.1          UL-RL  4.0656E+05  -15.92       114.3
1.000       1.000       215.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   43.78     -5.9538E-05   186.2       102.6       192.2       103.3          UL-RL  4.0656E+05  -16.12       116.3
1.000       1.000       218.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   44.43     -6.1056E-05   188.2       103.9       194.3       104.5          UL-RL  4.0656E+05  -16.32       118.2
1.000       1.000       222.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   22.54     -5.9409E-05   190.2       105.1       196.3       105.1          UL-RL  4.0656E+05  -16.52       120.2
1.000       1.000       225.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:47                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      3.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD           ZPL          Kz
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-----------------------------------------------
   1 D   0.000      1.4315E-21   0.000       0.000       6.080       3.040         PASSIVE   0.000     -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.6127      1.0468E-21   3.800       3.064       9.880       4.940           UL-RL  6.4441E+04 -0.5200       0.000
1.000       1.000       3.064       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.020      6.6220E-22   7.600       5.098       13.68       6.840           UL-RL  6.4441E+04 -0.7200       0.000
1.000       1.000       5.098       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.412      2.7757E-22   11.40       7.058       17.48       8.740           UL-RL  6.4441E+04 -0.9200       0.000
1.000       1.000       7.058       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.798     -1.0705E-22   15.20       8.992       21.28       10.64           UL-RL  6.4441E+04  -1.120       0.000
1.000       1.000       8.992       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   2.234      3.9933E-06   19.00       11.17       25.08       12.54           UL-RL  6.4441E+04  -1.320       0.000
1.000       1.000       11.17       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.681      8.9403E-06   22.80       13.41       28.88       14.44           UL-RL  6.4441E+04  -1.520       0.000
1.000       1.000       13.41       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   3.128      1.3950E-05   26.60       15.64       32.68       16.34           UL-RL  6.4441E+04  -1.720       0.000
1.000       1.000       15.64       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.575      1.9001E-05   30.40       17.88       36.48       18.24           UL-RL  6.4441E+04  -1.920       0.000
1.000       1.000       17.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   4.022      2.4080E-05   34.20       20.11       40.28       20.14           UL-RL  6.4441E+04  -2.120       0.000
1.000       1.000       20.11       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   4.469      3.8615E-05   38.00       22.34       44.08       22.34           UL-RL  6.4441E+04  -2.320       0.000
1.000       1.000       22.34       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.916      5.4108E-05   41.80       24.58       47.88       24.58           UL-RL  6.4441E+04  -2.520       0.000
1.000       1.000       24.58       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   5.363      6.9613E-05   45.60       26.81       51.68       26.81           UL-RL  6.4441E+04  -2.720       0.000
1.000       1.000       26.81       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.809      8.5127E-05   49.40       29.05       55.48       29.05           UL-RL  6.4441E+04  -2.920       0.000
1.000       1.000       29.05       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   6.256      1.0065E-04   53.20       31.28       59.28       31.28           UL-RL  6.4441E+04  -3.120       0.000
1.000       1.000       31.28       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   6.703      1.1618E-04   57.00       33.52       63.08       33.52           UL-RL  6.4441E+04  -3.320       0.000
1.000       1.000       33.52       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   7.150      1.3171E-04   60.80       35.75       66.88       35.75           UL-RL  6.4441E+04  -3.520       0.000
1.000       1.000       35.75       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   7.597      1.4724E-04   64.60       37.98       70.68       37.98           UL-RL  6.4441E+04  -3.720       0.000
1.000       1.000       37.98       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   8.044      1.6278E-04   68.40       40.22       74.48       40.22           UL-RL  6.4441E+04  -3.920       0.000
1.000       1.000       40.22       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   8.491      1.7833E-04   72.20       42.45       78.28       42.45           UL-RL  6.4441E+04  -4.120       0.000
1.000       1.000       42.45       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   8.938      1.9387E-04   76.00       44.69       82.08       44.69           UL-RL  6.4441E+04  -4.320       0.000
1.000       1.000       44.69       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   8.322      1.1190E-05   79.80       41.61       85.88       43.16           UL-RL  5.7856E+04  -4.520       0.000
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1.000       1.000       41.61       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D    8.804       1.9985E-05  82.92       43.34       89.00       44.89          UL-RL  5.7856E+04  -4.720       0.6798
1.000       1.000       44.02       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D    9.430       3.1419E-05  84.69       44.45       90.77       45.99          UL-RL  5.7856E+04  -4.920       2.706
1.000       1.000       47.15       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D    10.06       4.2853E-05  86.47       45.55       92.55       47.10          UL-RL  5.7856E+04  -5.120       4.732
1.000       1.000       50.29       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D    10.68       5.4287E-05  88.24       46.66       94.32       48.21          UL-RL  5.7856E+04  -5.320       6.758
1.000       1.000       53.42       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D    11.31       6.5721E-05  90.02       47.77       96.10       49.32          UL-RL  5.7856E+04  -5.520       8.784
1.000       1.000       56.55       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D    11.94       7.7155E-05  91.79       48.88       97.87       50.42          UL-RL  5.7856E+04  -5.720       10.81
1.000       1.000       59.69       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D    12.56       8.8589E-05  93.56       49.99       99.64       51.53          UL-RL  5.7856E+04  -5.920       12.84
1.000       1.000       62.82       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D    13.19       1.0002E-04  95.34       51.09       101.4       52.64          UL-RL  5.7856E+04  -6.120       14.86
1.000       1.000       65.96       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D    13.82       1.1146E-04  97.11       52.20       103.2       53.75          UL-RL  5.7856E+04  -6.320       16.89
1.000       1.000       69.09       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D    14.44       1.2289E-04  98.89       53.31       105.0       54.85          UL-RL  5.7856E+04  -6.520       18.91
1.000       1.000       72.22       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D    15.07       1.3432E-04  100.7       54.42       106.7       55.96          UL-RL  5.7856E+04  -6.720       20.94
1.000       1.000       75.36       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D    15.70       1.4576E-04  102.4       55.53       108.5       57.07          UL-RL  5.7856E+04  -6.920       22.97
1.000       1.000       78.49       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D    16.33       1.5719E-04  104.2       56.63       110.3       58.18          UL-RL  5.7856E+04  -7.120       24.99
1.000       1.000       81.63       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D    16.95       1.6862E-04  106.0       57.74       112.1       59.28          UL-RL  5.7856E+04  -7.320       27.02
1.000       1.000       84.76       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D    17.58       1.8006E-04  107.8       58.85       113.8       60.39          UL-RL  5.7856E+04  -7.520       29.04
1.000       1.000       87.89       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D    18.21       1.9149E-04  109.5       59.96       115.6       61.50          UL-RL  5.7856E+04  -7.720       31.07
1.000       1.000       91.03       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D    18.83       2.0293E-04  111.3       61.07       117.4       62.61          UL-RL  5.7856E+04  -7.920       33.10
1.000       1.000       94.16       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D    19.46       2.1436E-04  113.1       62.17       119.2       63.71          UL-RL  5.7856E+04  -8.120       35.12
1.000       1.000       97.29       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D    20.09       2.2579E-04  114.9       63.28       120.9       64.82          UL-RL  5.7856E+04  -8.320       37.15
1.000       1.000       100.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D    20.71       2.3723E-04  116.6       64.39       122.7       65.93          UL-RL  5.7856E+04  -8.520       39.17
1.000       1.000       103.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D    21.34       2.4866E-04  118.4       65.50       124.5       67.04          UL-RL  5.7856E+04  -8.720       41.20
1.000       1.000       106.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D    21.97       2.6009E-04  120.2       66.60       126.3       68.14          UL-RL  5.7856E+04  -8.920       43.23
1.000       1.000       109.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D    22.59       2.7153E-04  121.9       67.71       128.0       69.25          UL-RL  5.7856E+04  -9.120       45.25
1.000       1.000       113.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D    23.22       2.8296E-04  123.7       68.82       129.8       70.36          UL-RL  5.7856E+04  -9.320       47.28
1.000       1.000       116.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D    23.85       2.9439E-04  125.5       69.93       131.6       71.47          UL-RL  5.7856E+04  -9.520       49.30
1.000       1.000       119.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D    24.47       3.0583E-04  127.3       71.04       133.3       72.57          UL-RL  5.7856E+04  -9.720       51.33
1.000       1.000       122.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D    25.10       3.1726E-04  129.0       72.14       135.1       73.68          UL-RL  5.7856E+04  -9.920       53.36
1.000       1.000       125.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D    25.73       3.2870E-04  130.8       73.25       136.9       74.79          UL-RL  5.7856E+04  -10.12       55.38
1.000       1.000       128.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D    26.35       3.4013E-04  132.6       74.36       138.7       75.90          UL-RL  5.7856E+04  -10.32       57.41
1.000       1.000       131.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D    26.98       3.5156E-04  134.4       75.47       140.4       77.00          UL-RL  5.7856E+04  -10.52       59.43
1.000       1.000       134.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   27.61      3.6300E-04   136.1       76.57       142.2       78.11          UL-RL  5.7856E+04  -10.72       61.46
1.000       1.000       138.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   28.23      3.7443E-04   137.9       77.68       144.0       79.22          UL-RL  5.7856E+04  -10.92       63.49
1.000       1.000       141.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   28.86      3.8586E-04   139.7       78.79       145.8       80.33          UL-RL  5.7856E+04  -11.12       65.51
1.000       1.000       144.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   29.49      3.9730E-04   141.5       79.90       147.5       81.43          UL-RL  5.7856E+04  -11.32       67.54
1.000       1.000       147.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   30.11      4.0873E-04   143.2       81.00       149.3       82.54          UL-RL  5.7856E+04  -11.52       69.56
1.000       1.000       150.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   30.74      4.2016E-04   145.0       82.11       151.1       83.65          UL-RL  5.7856E+04  -11.72       71.59
1.000       1.000       153.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   31.37      4.3160E-04   146.8       83.22       152.9       84.76          UL-RL  5.7856E+04  -11.92       73.62
1.000       1.000       156.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   31.99      4.4303E-04   148.6       84.33       154.6       85.86          UL-RL  5.7856E+04  -12.12       75.64
1.000       1.000       160.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   32.62      4.5446E-04   150.3       85.44       156.4       86.97          UL-RL  5.7856E+04  -12.32       77.67
1.000       1.000       163.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   33.25      4.6590E-04   152.1       86.54       158.2       88.08          UL-RL  5.7856E+04  -12.52       79.69
1.000       1.000       166.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   33.87      4.7733E-04   153.9       87.65       160.0       89.19          UL-RL  5.7856E+04  -12.72       81.72
1.000       1.000       169.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   34.50      4.8877E-04   155.7       88.76       161.7       90.29          UL-RL  5.7856E+04  -12.92       83.75
1.000       1.000       172.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   35.13      5.0020E-04   157.4       89.87       163.5       91.40          UL-RL  5.7856E+04  -13.12       85.77
1.000       1.000       175.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   35.75      5.1163E-04   159.2       90.97       165.3       92.51          UL-RL  5.7856E+04  -13.32       87.80
1.000       1.000       178.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   36.38      5.2307E-04   161.0       92.08       167.1       93.62          UL-RL  5.7856E+04  -13.52       89.82
1.000       1.000       181.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   37.01      5.3450E-04   162.7       93.19       168.8       94.72          UL-RL  5.7856E+04  -13.72       91.85
1.000       1.000       185.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   36.68      4.2840E-05   164.5       89.52       170.6       90.57          UL-RL  3.7958E+05  -13.92       93.88
1.000       1.000       183.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   37.33      4.4358E-05   166.5       90.72       172.6       91.74          UL-RL  3.7958E+05  -14.12       95.90
1.000       1.000       186.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   37.97      4.5876E-05   168.5       91.93       174.6       92.91          UL-RL  3.7958E+05  -14.32       97.93
1.000       1.000       189.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   38.62      4.7394E-05   170.5       93.13       176.5       94.07          UL-RL  3.7958E+05  -14.52       99.95
1.000       1.000       193.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   39.26      4.8912E-05   172.4       94.33       178.5       95.24          UL-RL  3.7958E+05  -14.72       102.0
1.000       1.000       196.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   39.91      5.0430E-05   174.4       95.53       180.5       96.41          UL-RL  3.7958E+05  -14.92       104.0
1.000       1.000       199.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   40.55      5.1948E-05   176.4       96.73       182.5       97.58          UL-RL  3.7958E+05  -15.12       106.0
1.000       1.000       202.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   41.20      5.3466E-05   178.4       97.94       184.4       98.74          UL-RL  3.7958E+05  -15.32       108.1
1.000       1.000       206.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   41.84      5.4984E-05   180.3       99.14       186.4       99.91          UL-RL  3.7958E+05  -15.52       110.1
1.000       1.000       209.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   42.49      5.6502E-05   182.3       100.3       188.4       101.1          UL-RL  3.7958E+05  -15.72       112.1
1.000       1.000       212.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   43.14      5.8020E-05   184.3       101.5       190.4       102.2          UL-RL  3.7958E+05  -15.92       114.1
1.000       1.000       215.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   43.78      5.9538E-05   186.3       102.7       192.3       103.4          UL-RL  3.7958E+05  -16.12       116.2
1.000       1.000       218.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   44.43      6.1056E-05   188.2       103.9       194.3       104.6          UL-RL  3.7958E+05  -16.32       118.2
1.000       1.000       222.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   22.54      5.9409E-05   190.2       105.1       196.3       105.1          UL-RL  3.7958E+05  -16.52       120.2
1.000       1.000       225.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:48                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099                                          :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   81
C U R R E N T   T I M E   I S      3.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
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    1 2.01948E-28-2.01948E-28-1.00974E-28 1.00974E-28
    2 2.50644E-18-2.50644E-18-1.89327E-28 5.01288E-19
    3 6.21773E-18-6.21773E-18-5.01288E-19 1.74483E-18
    4 1.11312E-17-1.11312E-17-1.74483E-18 3.97107E-18
    5 2.59882E-12-2.59882E-12 2.59877E-13 2.59888E-13
    6 3.38337E-12-3.38337E-12 3.38283E-13 3.38392E-13
    7-2.80411E-12 2.80411E-12-2.80563E-13-2.80260E-13
    8-1.51794E-11 1.51794E-11-1.51819E-12-1.51769E-12
    9 2.20005E-11-2.20005E-11 2.19970E-12 2.20040E-12
   10-2.75246E-11 2.75246E-11-2.75291E-12-2.75200E-12
   11-2.71876E-12 2.71876E-12-2.72454E-13-2.71297E-13
   12-2.68008E-12 2.68008E-12-2.68719E-13-2.67298E-13
   13-2.63308E-12 2.63308E-12-2.64164E-13-2.62451E-13
   14-2.57418E-12 2.57418E-12-2.58525E-13-2.56311E-13
   15-2.49974E-12 2.49974E-12-2.51349E-13-2.48600E-13
   16-2.41133E-12 2.41133E-12-2.42705E-13-2.39560E-13
   17-2.31039E-12 2.31039E-12-2.32832E-13-2.29249E-13
   18-2.19573E-12 2.19573E-12-2.21605E-13-2.17541E-13
   19-2.06591E-12 2.06591E-12-2.08886E-13-2.04293E-13
   20-1.91943E-12 1.91943E-12-1.94529E-13-1.89358E-13
   21 3.54019E-11-3.54019E-11 3.53746E-12 3.54291E-12
   22 1.07899E-11-1.07899E-11 1.07629E-12 1.08168E-12
   23-1.43624E-12 1.43624E-12-1.46300E-13-1.40949E-13
   24-1.27652E-12 1.27652E-12-1.30301E-13-1.25002E-13
   25-1.12906E-12 1.12906E-12-1.15172E-13-1.10640E-13
   26 4.85447E-11-4.85447E-11 4.85259E-12 4.85636E-12
   27-8.92114E-13 8.92114E-13-9.10801E-14-8.73427E-14
   28-7.79413E-13 7.79413E-13-7.98293E-14-7.60533E-14
   29-6.64574E-13 6.64574E-13-6.83973E-14-6.45169E-14
   30-5.45589E-13 5.45589E-13-5.65846E-14-5.25331E-14
   31-9.95085E-11 9.95085E-11-9.95335E-12-9.94835E-12
   32-2.33864E-13 2.33864E-13-2.67508E-14-2.00221E-14
   33-5.05956E-15 5.05956E-15-4.76848E-15 3.75657E-15
   34 2.78669E-13-2.78669E-13 2.26718E-14 3.30620E-14
   35 6.08728E-13-6.08728E-13 5.50658E-14 6.66792E-14
   36 9.65831E-13-9.65831E-13 9.04861E-14 1.02680E-13
   37 1.34136E-12-1.34136E-12 1.27716E-13 1.40557E-13
   38 1.71599E-12-1.71599E-12 1.65532E-13 1.77666E-13
   39 2.04901E-12-2.04901E-12 1.99867E-13 2.09935E-13
   40 2.32098E-12-2.32098E-12 2.28066E-13 2.36129E-13
   41 2.53368E-12-2.53368E-12 2.50310E-13 2.56427E-13
   42 2.68885E-12-2.68885E-12 2.66771E-13 2.70997E-13
   43 2.78801E-12-2.78801E-12 2.77607E-13 2.79994E-13
   44 2.84339E-12-2.84339E-12 2.83686E-13 2.84992E-13
   45 2.87767E-12-2.87767E-12 2.87277E-13 2.88257E-13
   46 2.90281E-12-2.90281E-12 2.89933E-13 2.90628E-13
   47 2.93064E-12-2.93064E-12 2.92483E-13 2.93642E-13
   48 2.99412E-12-2.99412E-12 2.97874E-13 3.00950E-13
   49 3.12611E-12-3.12611E-12 3.09752E-13 3.15485E-13
   50 3.31753E-12-3.31753E-12 3.28238E-13 3.35234E-13
   51 3.50368E-12-3.50368E-12 3.47649E-13 3.53086E-13
   52 3.62235E-12-3.62235E-12 3.60998E-13 3.63472E-13
   53 3.64167E-12-3.64167E-12 3.64760E-13 3.63574E-13
   54 3.56195E-12-3.56195E-12 3.58259E-13 3.54131E-13
   55 3.40466E-12-3.40466E-12 3.43645E-13 3.37288E-13
   56 3.16984E-12-3.16984E-12 3.21633E-13 3.12335E-13
   57 2.86803E-12-2.86803E-12 2.92215E-13 2.81392E-13
   58 2.52033E-12-2.52033E-12 2.58212E-13 2.45854E-13
   59 2.11573E-12-2.11573E-12 2.18881E-13 2.04266E-13
   60 1.67513E-12-1.67513E-12 1.74892E-13 1.60134E-13
   61 1.25129E-12-1.25129E-12 1.31878E-13 1.18380E-13
   62 8.64952E-13-8.64952E-13 9.26243E-14 8.03662E-14
   63 5.15483E-13-5.15483E-13 5.70682E-14 4.60283E-14
   64 2.02219E-13-2.02219E-13 2.51440E-14 1.52997E-14
   65-7.55235E-14 7.55235E-14-3.21645E-15-1.18882E-14
   66-3.18436E-13 3.18436E-13-2.80824E-14-3.56047E-14
   67-5.27207E-13 5.27207E-13-4.95228E-14-5.59186E-14
   68-7.02515E-13 7.02515E-13-6.76057E-14-7.28972E-14
   69-8.45910E-13 8.45910E-13-8.24569E-14-8.67252E-14
   70-9.60663E-13 9.60663E-13-9.43754E-14-9.77572E-14
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   71-1.05076E-12 1.05076E-12-1.03763E-13-1.06388E-13
   72-1.11993E-12 1.11993E-12-1.10999E-13-1.12986E-13
   73-1.17165E-12 1.17165E-12-1.16434E-13-1.17895E-13
   74-1.20909E-12 1.20909E-12-1.20392E-13-1.21427E-13
   75-1.23514E-12 1.23514E-12-1.23164E-13-1.23865E-13
   76-1.25236E-12 1.25236E-12-1.25013E-13-1.25460E-13
   77-1.26300E-12 1.26300E-12-1.26169E-13-1.26431E-13
   78-1.26898E-12 1.26898E-12-1.26830E-13-1.26966E-13
   79-1.27191E-12 1.27191E-12-1.27161E-13-1.27220E-13
   80-1.27304E-12 1.27304E-12-1.27296E-13-1.27313E-13
   81-1.27321E-12 1.27321E-12-1.27327E-13-1.27329E-13

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9479E+05 RIMNOR=0.3082E-21
           RENORM= 222.4     REMNOR=0.3028E-21 RATIO =0.4844E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 44.43     RMMAX =0.9953E-11
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-16
           RDT   =0.9479E+05 RDR   =0.1000E-16
           RATIOT=0.4844E-01 RATIOR= 0.000
           MAX UN= 3.128     IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN=-.4765E-11 IEQ=    54 NODE     27 DOF   2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9479E+05 RIMNOR=0.3082E-21
           RENORM= 42.74     REMNOR=0.2378E-19 RATIO =0.2123E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 44.43     RMMAX =0.9953E-11
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-16
           RDT   =0.9479E+05 RDR   =0.1000E-16
           RATIOT=0.2123E-01 RATIOR= 0.000
           MAX UN= 2.101     IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           MIN UN=-.6719E-09 IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9479E+05 RIMNOR=0.3082E-21
           RENORM= 6.422     REMNOR=0.5275E-19 RATIO =0.8231E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 44.43     RMMAX =0.9953E-11
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-16
           RDT   =0.9479E+05 RDR   =0.1000E-16
           RATIOT=0.8231E-02 RATIOR= 0.000
           MAX UN= 1.351     IEQ=    39 NODE     20 DOF   1  Y-DISPL.F
           MIN UN=-.7589E-09 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9479E+05 RIMNOR=0.3082E-21
           RENORM=0.3904     REMNOR=0.6577E-19 RATIO =0.2029E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 44.43     RMMAX =0.9953E-11
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-16
           RDT   =0.9479E+05 RDR   =0.1000E-16
           RATIOT=0.2029E-02 RATIOR= 0.000
           MAX UN=0.2469     IEQ=    67 NODE     34 DOF   1  Y-DISPL.F
           MIN UN=-.5140E-01 IEQ=   159 NODE     80 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9479E+05 RIMNOR=0.3082E-21
           RENORM=0.1354E-02 REMNOR=0.6603E-19 RATIO =0.1195E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 44.43     RMMAX =0.9953E-11
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-16
           RDT   =0.9479E+05 RDR   =0.1000E-16
           RATIOT=0.1195E-03 RATIOR= 0.000
           MAX UN=0.1103E-01 IEQ=   129 NODE     65 DOF   1  Y-DISPL.F
           MIN UN=-.2385E-01 IEQ=   159 NODE     80 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9479E+05 RIMNOR=0.3082E-21
           RENORM=0.2737E-05 REMNOR=0.3828E-19 RATIO =0.5374E-05 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 44.43     RMMAX =0.9953E-11
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-16
           RDT   =0.9479E+05 RDR   =0.1000E-16
           RATIOT=0.5374E-05 RATIOR= 0.000
           MAX UN=0.1638E-02 IEQ=   137 NODE     69 DOF   1  Y-DISPL.F
           MIN UN=-.1254E-08 IEQ=   127 NODE     64 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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New Project
SOLUTION REACHED USING   6 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P   4   (AT TIME   4.000   ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

	Y-DISPL.F 02	X-ROT. F 04
1	6.5197692E-04	-8.0813734E-05
2	6.3581418E-04	-8.0813734E-05
3	6.1965155E-04	-8.0811900E-05
4	6.0348990E-04	-8.0802733E-05
5	5.8733156E-04	-8.0777065E-05
6	5.7517431E-04	-8.0722062E-05
7	5.6398611E-04	-8.0621224E-05
8	5.5288699E-04	-8.0454382E-05
9	5.4187088E-04	-8.0197701E-05
10	5.3094557E-04	-7.9826644E-05
11	5.2956303E-04	-7.9321889E-05
12	5.2925455E-04	-7.8672300E-05
13	5.2910243E-04	-7.7874920E-05
14	5.2913331E-04	-7.6934975E-05
15	5.2937287E-04	-7.5862447E-05
16	5.2984519E-04	-7.4667769E-05
17	5.3057265E-04	-7.3360939E-05
18	5.3157590E-04	-7.1951505E-05
19	5.3287390E-04	-7.0448589E-05
20	5.3448395E-04	-6.8860850E-05
21	5.3642180E-04	-6.7196484E-05
22	3.4047397E-04	-6.5463270E-05
23	3.3635468E-04	-6.3670617E-05
24	3.3523795E-04	-6.1828995E-05
25	3.3449362E-04	-5.9947868E-05
26	3.3412868E-04	-5.8036259E-05
27	3.3414836E-04	-5.6102818E-05
28	3.3455619E-04	-5.4155795E-05
29	3.3535410E-04	-5.2203060E-05
30	3.3654248E-04	-5.0252128E-05
31	3.3812025E-04	-4.8310126E-05
32	3.4008494E-04	-4.6383870E-05
33	3.4243274E-04	-4.4479832E-05
34	3.4515861E-04	-4.2604166E-05
35	3.4825626E-04	-4.0762718E-05
36	3.5171828E-04	-3.8961044E-05
37	3.5553623E-04	-3.7204390E-05
38	3.5970057E-04	-3.5497753E-05
39	3.6420084E-04	-3.3845859E-05
40	3.6902562E-04	-3.2253143E-05
41	3.7416269E-04	-3.0723560E-05
42	3.7959907E-04	-2.9260437E-05
43	3.8532116E-04	-2.7866510E-05
44	3.9131495E-04	-2.6543919E-05
45	3.9756598E-04	-2.5294284E-05
46	4.0405954E-04	-2.4118694E-05
47	4.1078075E-04	-2.3017738E-05
48	4.1771463E-04	-2.1991535E-05
49	4.2484634E-04	-2.1039733E-05
50	4.3216120E-04	-2.0161537E-05
51	4.3964387E-04	-1.9355828E-05
52	4.4728095E-04	-1.8620901E-05
53	4.5505808E-04	-1.7954806E-05
54	4.6296174E-04	-1.7355174E-05
55	4.7097890E-04	-1.6819277E-05
56	4.7909712E-04	-1.6344033E-05
57	4.8730460E-04	-1.5926016E-05
58	4.9559027E-04	-1.5561470E-05
59	5.0394383E-04	-1.5246311E-05
60	5.1235585E-04	-1.4976135E-05
61	5.2081779E-04	-1.4746227E-05
62	5.2932210E-04	-1.4551561E-05
63	5.3786226E-04	-1.4386807E-05
64	5.4643284E-04	-1.4246333E-05
65	5.5502958E-04	-1.4124210E-05
66	5.6364942E-04	-1.4014213E-05
67	5.7229059E-04	-1.3909821E-05
68	5.8095263E-04	-1.3804222E-05
69	8.6543716E-05	-1.3690316E-05
70	8.5335828E-05	-1.3567517E-05
71	8.4152919E-05	-1.3441512E-05
72	8.2995125E-05	-1.3317218E-05
73	8.1861674E-05	-1.3198810E-05
74	8.0751031E-05	-1.3089742E-05

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75   7.9661041E-05  -1.2992770E-05
76   7.8589065E-05  -1.2909963E-05
77   7.7532120E-05  -1.2842724E-05
78   7.6487006E-05  -1.2791797E-05
79   7.5450453E-05  -1.2757092E-05
80   7.4419330E-05  -1.2737186E-05
81   7.3390968E-05  -1.2728873E-05
82   6.9198206E-05  -1.2727095E-05
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:48                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                          :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      4.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -6.5198E-04   0.000       0.000       6.080       3.040         PASSIVE   0.000     -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.4470     -6.3581E-04   3.800       2.235       9.880       4.940           UL-RL  5.3882E+04 -0.5200       0.000
1.000       1.000       2.235       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D  0.8939     -6.1965E-04   7.600       4.469       13.68       6.840           UL-RL  5.3882E+04 -0.7200       0.000
1.000       1.000       4.469       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.341     -6.0349E-04   11.40       6.704       17.48       8.740           UL-RL  5.3882E+04 -0.9200       0.000
1.000       1.000       6.704       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.788     -5.8733E-04   15.20       8.938       21.28       10.64           UL-RL  5.3882E+04  -1.120       0.000
1.000       1.000       8.938       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   2.234     -5.7517E-04   19.00       11.17       25.08       12.54           UL-RL  5.3882E+04  -1.320       0.000
1.000       1.000       11.17       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.681     -5.6399E-04   22.80       13.41       28.88       14.44           UL-RL  5.3882E+04  -1.520       0.000
1.000       1.000       13.41       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   3.128     -5.5289E-04   26.60       15.64       32.68       16.34           UL-RL  5.3882E+04  -1.720       0.000
1.000       1.000       15.64       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.575     -5.4187E-04   30.40       17.88       36.48       18.24           UL-RL  5.3882E+04  -1.920       0.000
1.000       1.000       17.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   4.022     -5.3095E-04   34.20       20.11       40.28       20.14           UL-RL  5.3882E+04  -2.120       0.000
1.000       1.000       20.11       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   4.469     -5.2956E-04   38.00       22.34       44.08       22.34            V-C  1.7961E+04  -2.320       0.000
1.000       1.000       22.34       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.916     -5.2925E-04   41.80       24.58       47.88       24.58         ACTIVE   0.000      -2.520       0.000
1.000       1.000       24.58       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   5.363     -5.2910E-04   45.60       26.81       51.68       26.81         ACTIVE   0.000      -2.720       0.000
1.000       1.000       26.81       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.809     -5.2913E-04   49.40       29.05       55.48       29.05         ACTIVE   0.000      -2.920       0.000
1.000       1.000       29.05       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   6.256     -5.2937E-04   53.20       31.28       59.28       31.28         ACTIVE   0.000      -3.120       0.000
1.000       1.000       31.28       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   6.703     -5.2985E-04   57.00       33.52       63.08       33.52         ACTIVE   0.000      -3.320       0.000
1.000       1.000       33.52       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   7.150     -5.3057E-04   60.80       35.75       66.88       35.75         ACTIVE   0.000      -3.520       0.000
1.000       1.000       35.75       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   7.597     -5.3158E-04   64.60       37.98       70.68       37.98         ACTIVE   0.000      -3.720       0.000
1.000       1.000       37.98       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   8.044     -5.3287E-04   68.40       40.22       74.48       40.22         ACTIVE   0.000      -3.920       0.000
1.000       1.000       40.22       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   8.491     -5.3448E-04   72.20       42.45       78.28       42.45         ACTIVE   0.000      -4.120       0.000
1.000       1.000       42.45       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   8.938     -5.3642E-04   76.00       44.69       82.08       44.69         ACTIVE   0.000      -4.320       0.000
1.000       1.000       44.69       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   7.878     -3.4047E-04   78.02       37.61       84.10       42.05         ACTIVE   0.000      -4.520       1.776
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1.000       1.000       39.39       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D    8.509     -3.3635E-04   79.85       38.79       85.93       42.97         ACTIVE   0.000      -4.720       3.750
1.000       1.000       42.54       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D    9.140     -3.3524E-04   81.68       39.97       87.76       43.88         ACTIVE   0.000      -4.920       5.724
1.000       1.000       45.70       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D    9.771     -3.3449E-04   83.50       41.16       89.58       44.79         ACTIVE   0.000      -5.120       7.698
1.000       1.000       48.85       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D    10.40     -3.3413E-04   85.33       42.34       91.41       45.70         ACTIVE   0.000      -5.320       9.672
1.000       1.000       52.01       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D    11.03     -3.3415E-04   87.15       43.52       93.23       46.62         ACTIVE   0.000      -5.520       11.65
1.000       1.000       55.16       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D    11.66     -3.3456E-04   88.98       44.70       95.06       47.61         ACTIVE   0.000      -5.720       13.62
1.000       1.000       58.32       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D    12.30     -3.3535E-04   90.81       45.88       96.89       48.77         ACTIVE   0.000      -5.920       15.59
1.000       1.000       61.48       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D    12.93     -3.3654E-04   92.63       47.06       98.71       49.93         ACTIVE   0.000      -6.120       17.57
1.000       1.000       64.63       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D    13.56     -3.3812E-04   94.46       48.24       100.5       51.09         ACTIVE   0.000      -6.320       19.54
1.000       1.000       67.79       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D    14.19     -3.4008E-04   96.28       49.43       102.4       52.25         ACTIVE   0.000      -6.520       21.52
1.000       1.000       70.94       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D    14.82     -3.4243E-04   98.11       50.61       104.2       53.41         ACTIVE   0.000      -6.720       23.49
1.000       1.000       74.10       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D    15.45     -3.4516E-04   99.94       51.79       106.0       54.57         ACTIVE   0.000      -6.920       25.46
1.000       1.000       77.25       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D    16.08     -3.4826E-04   101.8       52.97       107.8       55.73         ACTIVE   0.000      -7.120       27.44
1.000       1.000       80.41       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D    16.71     -3.5172E-04   103.6       54.15       109.7       56.89         ACTIVE   0.000      -7.320       29.41
1.000       1.000       83.56       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D    17.34     -3.5554E-04   105.4       55.33       111.5       58.05         ACTIVE   0.000      -7.520       31.39
1.000       1.000       86.72       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D    17.97     -3.5970E-04   107.2       56.51       113.3       59.21         ACTIVE   0.000      -7.720       33.36
1.000       1.000       89.87       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D    18.61     -3.6420E-04   109.1       57.70       115.1       60.37         ACTIVE   0.000      -7.920       35.33
1.000       1.000       93.03       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D    19.24     -3.6903E-04   110.9       58.88       117.0       61.53         ACTIVE   0.000      -8.120       37.31
1.000       1.000       96.19       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D    19.87     -3.7416E-04   112.7       60.06       118.8       62.69         ACTIVE   0.000      -8.320       39.28
1.000       1.000       99.34       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D    20.50     -3.7960E-04   114.5       61.24       120.6       63.85         ACTIVE   0.000      -8.520       41.26
1.000       1.000       102.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D    21.13     -3.8532E-04   116.4       62.42       122.5       65.01         ACTIVE   0.000      -8.720       43.23
1.000       1.000       105.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D    21.76     -3.9131E-04   118.2       63.60       124.3       66.17         ACTIVE   0.000      -8.920       45.20
1.000       1.000       108.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D    22.39     -3.9757E-04   120.0       64.78       126.1       67.33         ACTIVE   0.000      -9.120       47.18
1.000       1.000       112.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D    23.02     -4.0406E-04   121.8       65.97       127.9       68.48         ACTIVE   0.000      -9.320       49.15
1.000       1.000       115.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D    23.65     -4.1078E-04   123.7       67.15       129.8       69.64         ACTIVE   0.000      -9.520       51.13
1.000       1.000       118.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D    24.29     -4.1771E-04   125.5       68.33       131.6       70.80         ACTIVE   0.000      -9.720       53.10
1.000       1.000       121.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D    24.92     -4.2485E-04   127.3       69.51       133.4       71.96         ACTIVE   0.000      -9.920       55.07
1.000       1.000       124.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D    25.55     -4.3216E-04   129.2       70.69       135.2       73.12         ACTIVE   0.000      -10.12       57.05
1.000       1.000       127.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D    26.18     -4.3964E-04   131.0       71.87       137.1       74.28         ACTIVE   0.000      -10.32       59.02
1.000       1.000       130.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D    26.81     -4.4728E-04   132.8       73.05       138.9       75.44         ACTIVE   0.000      -10.52       61.00
1.000       1.000       134.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   27.44     -4.5506E-04   134.6       74.24       140.7       76.60          ACTIVE   0.000      -10.72       62.97
1.000       1.000       137.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   28.07     -4.6296E-04   136.5       75.42       142.5       77.76          ACTIVE   0.000      -10.92       64.94
1.000       1.000       140.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   28.70     -4.7098E-04   138.3       76.60       144.4       78.92          ACTIVE   0.000      -11.12       66.92
1.000       1.000       143.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   29.33     -4.7910E-04   140.1       77.78       146.2       80.08          ACTIVE   0.000      -11.32       68.89
1.000       1.000       146.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   29.97     -4.8730E-04   141.9       78.96       148.0       81.24          ACTIVE   0.000      -11.52       70.86
1.000       1.000       149.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   30.60     -4.9559E-04   143.8       80.14       149.8       82.40          ACTIVE   0.000      -11.72       72.84
1.000       1.000       153.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   31.23     -5.0394E-04   145.6       81.32       151.7       83.56          ACTIVE   0.000      -11.92       74.81
1.000       1.000       156.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   31.86     -5.1236E-04   147.4       82.51       153.5       84.72          ACTIVE   0.000      -12.12       76.79
1.000       1.000       159.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   32.49     -5.2082E-04   149.2       83.69       155.3       85.88          ACTIVE   0.000      -12.32       78.76
1.000       1.000       162.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   33.12     -5.2932E-04   151.1       84.87       157.1       87.04          ACTIVE   0.000      -12.52       80.73
1.000       1.000       165.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   33.75     -5.3786E-04   152.9       86.05       159.0       88.20          ACTIVE   0.000      -12.72       82.71
1.000       1.000       168.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   34.38     -5.4643E-04   154.7       87.23       160.8       89.36          ACTIVE   0.000      -12.92       84.68
1.000       1.000       171.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   35.01     -5.5503E-04   156.5       88.41       162.6       90.52          ACTIVE   0.000      -13.12       86.66
1.000       1.000       175.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   35.65     -5.6365E-04   158.4       89.59       164.4       91.68          ACTIVE   0.000      -13.32       88.63
1.000       1.000       178.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   36.28     -5.7229E-04   160.2       90.78       166.3       92.83          ACTIVE   0.000      -13.52       90.60
1.000       1.000       181.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   36.91     -5.8095E-04   162.0       91.96       168.1       93.99          ACTIVE   0.000      -13.72       92.58
1.000       1.000       184.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   36.68     -8.6544E-05   163.9       88.85       169.9       89.89          ACTIVE   0.000      -13.92       94.55
1.000       1.000       183.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   37.34     -8.5336E-05   165.9       90.16       172.0       91.11            UL-RL  4.0656E+05  -14.12       96.53
1.000       1.000       186.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   38.00     -8.4153E-05   167.9       91.48       174.0       92.33            UL-RL  4.0656E+05  -14.32       98.50
1.000       1.000       190.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   38.65     -8.2995E-05   169.9       92.78       176.0       93.55            UL-RL  4.0656E+05  -14.52       100.5
1.000       1.000       193.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   39.31     -8.1862E-05   172.0       94.08       178.1       94.77            UL-RL  4.0656E+05  -14.72       102.4
1.000       1.000       196.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   39.96     -8.0751E-05   174.0       95.38       180.1       95.99            UL-RL  4.0656E+05  -14.92       104.4
1.000       1.000       199.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   40.61     -7.9661E-05   176.0       96.67       182.1       97.21            UL-RL  4.0656E+05  -15.12       106.4
1.000       1.000       203.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   41.27     -7.8589E-05   178.0       97.96       184.1       98.43            UL-RL  4.0656E+05  -15.32       108.4
1.000       1.000       206.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   41.92     -7.7532E-05   180.1       99.25       186.2       99.65            UL-RL  4.0656E+05  -15.52       110.3
1.000       1.000       209.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   42.57     -7.6487E-05   182.1       100.5       188.2       100.9            UL-RL  4.0656E+05  -15.72       112.3
1.000       1.000       212.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   43.22     -7.5450E-05   184.1       101.8       190.2       102.1            UL-RL  4.0656E+05  -15.92       114.3
1.000       1.000       216.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   43.91     -7.4419E-05   186.2       103.3       192.2       103.4            UL-RL  4.0656E+05  -16.12       116.3
1.000       1.000       219.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   44.58     -7.3391E-05   188.2       104.7       194.3       104.8            UL-RL  4.0656E+05  -16.32       118.2
1.000       1.000       222.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   22.59     -6.9198E-05   190.2       105.7       196.3       105.8            UL-RL  4.0656E+05  -16.52       120.2
1.000       1.000       225.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:48                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      4.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1     0.000         --          --          --          --          --         REMOVED     --      -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --         REMOVED     --      -0.5200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --         REMOVED     --      -0.7200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --         REMOVED     --      -0.9200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --         REMOVED     --       -1.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --         REMOVED     --       -1.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --         REMOVED     --       -1.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --         REMOVED     --       -1.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   9 D  0.7220      5.4187E-04   1.900       3.610       36.48       18.24          UL-RL  6.4441E+04  -1.920       0.000
1.000       1.000       3.610       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   2.166      5.3095E-04   5.700       10.83       40.28       20.14          UL-RL  6.4441E+04  -2.120       0.000
1.000       1.000       10.83       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   3.610      5.2956E-04   9.500       18.05       44.08       22.34          UL-RL  6.4441E+04  -2.320       0.000
1.000       1.000       18.05       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   5.054      5.2925E-04   13.30       25.27       47.88       25.27         PASSIVE   0.000       -2.520       0.000
1.000       1.000       25.27       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   6.498      5.2910E-04   17.10       32.49       51.68       32.49         PASSIVE   0.000       -2.720       0.000
1.000       1.000       32.49       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   7.107      5.2913E-04   20.90       35.53       55.48       35.53              V-C  2.1480E+04  -2.920       0.000
1.000       1.000       35.53       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   7.502      5.2937E-04   24.70       37.51       59.28       37.51              V-C  2.1480E+04  -3.120       0.000
1.000       1.000       37.51       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   7.895      5.2985E-04   28.50       39.47       63.08       39.47              V-C  2.1480E+04  -3.320       0.000
1.000       1.000       39.47       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   8.287      5.3057E-04   32.30       41.44       66.88       41.44              V-C  2.1480E+04  -3.520       0.000
1.000       1.000       41.44       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   8.679      5.3158E-04   36.10       43.40       70.68       43.40              V-C  2.1480E+04  -3.720       0.000
1.000       1.000       43.40       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   9.072      5.3287E-04   39.90       45.36       74.48       45.36              V-C  2.1480E+04  -3.920       0.000
1.000       1.000       45.36       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   9.464      5.3448E-04   43.70       47.32       78.28       47.32              V-C  2.1480E+04  -4.120       0.000
1.000       1.000       47.32       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   9.858      5.3642E-04   47.50       49.29       82.08       49.29              V-C  2.1480E+04  -4.320       0.000
1.000       1.000       49.29       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   9.251      3.4047E-04   51.30       46.26       85.88       46.26              V-C  1.9285E+04  -4.520       0.000
1.000       1.000       46.26       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   9.686      3.3635E-04   54.42       47.75       89.00       47.75              V-C  1.9285E+04  -4.720       0.6798
1.000       1.000       48.43       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   10.27      3.3524E-04   56.19       48.63       90.77       48.63              V-C  1.9285E+04  -4.920       2.706
1.000       1.000       51.33       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  25 D   10.85      3.3449E-04   57.97       49.51       92.55       49.51            V-C  1.9285E+04  -5.120       4.732
1.000       1.000       54.24       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   11.43      3.3413E-04   59.74       50.40       94.32       50.40            V-C  1.9285E+04  -5.320       6.758
1.000       1.000       57.15       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   12.01      3.3415E-04   61.52       51.29       96.10       51.29            V-C  1.9285E+04  -5.520       8.784
1.000       1.000       60.07       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   12.60      3.3456E-04   63.29       52.19       97.87       52.19            V-C  1.9285E+04  -5.720       10.81
1.000       1.000       63.00       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   13.19      3.3535E-04   65.06       53.10       99.64       53.10            V-C  1.9285E+04  -5.920       12.84
1.000       1.000       65.94       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   13.78      3.3654E-04   66.84       54.02       101.4       54.02            V-C  1.9285E+04  -6.120       14.86
1.000       1.000       68.88       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   14.37      3.3812E-04   68.61       54.94       103.2       54.94            V-C  1.9285E+04  -6.320       16.89
1.000       1.000       71.83       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   14.96      3.4008E-04   70.39       55.87       105.0       55.87            V-C  1.9285E+04  -6.520       18.91
1.000       1.000       74.79       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   15.55      3.4243E-04   72.16       56.81       106.7       56.81            V-C  1.9285E+04  -6.720       20.94
1.000       1.000       77.75       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   16.14      3.4516E-04   73.93       57.76       108.5       57.76            V-C  1.9285E+04  -6.920       22.97
1.000       1.000       80.72       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   16.74      3.4826E-04   75.71       58.71       110.3       58.71            V-C  1.9285E+04  -7.120       24.99
1.000       1.000       83.70       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   17.34      3.5172E-04   77.48       59.67       112.1       59.67            V-C  1.9285E+04  -7.320       27.02
1.000       1.000       86.69       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   17.94      3.5554E-04   79.26       60.63       113.8       60.63            V-C  1.9285E+04  -7.520       29.04
1.000       1.000       89.68       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   18.53      3.5970E-04   81.03       61.60       115.6       61.60            V-C  1.9285E+04  -7.720       31.07
1.000       1.000       92.67       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   19.13      3.6420E-04   82.80       62.54       117.4       62.61           UL-RL  5.7856E+04  -7.920       33.10
1.000       1.000       95.63       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   19.68      3.6903E-04   84.58       63.28       119.2       63.71           UL-RL  5.7856E+04  -8.120       35.12
1.000       1.000       98.40       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   20.24      3.7416E-04   86.35       64.03       120.9       64.82           UL-RL  5.7856E+04  -8.320       37.15
1.000       1.000       101.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   20.80      3.7960E-04   88.13       64.81       122.7       65.93           UL-RL  5.7856E+04  -8.520       39.17
1.000       1.000       104.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   21.36      3.8532E-04   89.90       65.60       124.5       67.04           UL-RL  5.7856E+04  -8.720       41.20
1.000       1.000       106.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   21.93      3.9131E-04   91.67       66.40       126.3       68.14           UL-RL  5.7856E+04  -8.920       43.23
1.000       1.000       109.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   22.49      3.9757E-04   93.45       67.22       128.0       69.25           UL-RL  5.7856E+04  -9.120       45.25
1.000       1.000       112.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   23.07      4.0406E-04   95.22       68.05       129.8       70.36           UL-RL  5.7856E+04  -9.320       47.28
1.000       1.000       115.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   23.64      4.1078E-04   97.00       68.90       131.6       71.47           UL-RL  5.7856E+04  -9.520       49.30
1.000       1.000       118.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   24.22      4.1771E-04   98.77       69.75       133.3       72.57           UL-RL  5.7856E+04  -9.720       51.33
1.000       1.000       121.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   24.80      4.2485E-04   100.5       70.62       135.1       73.68           UL-RL  5.7856E+04  -9.920       53.36
1.000       1.000       124.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   25.38      4.3216E-04   102.3       71.50       136.9       74.79           UL-RL  5.7856E+04  -10.12       55.38
1.000       1.000       126.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   25.96      4.3964E-04   104.1       72.39       138.7       75.90           UL-RL  5.7856E+04  -10.32       57.41
1.000       1.000       129.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   26.54      4.4728E-04   105.9       73.29       140.4       77.00           UL-RL  5.7856E+04  -10.52       59.43
1.000       1.000       132.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  53 D   27.13      4.5506E-04   107.6       74.19       142.2       78.11           UL-RL  5.7856E+04  -10.72       61.46
1.000       1.000       135.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   27.72      4.6296E-04   109.4       75.10       144.0       79.22           UL-RL  5.7856E+04  -10.92       63.49
1.000       1.000       138.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   28.31      4.7098E-04   111.2       76.02       145.8       80.33           UL-RL  5.7856E+04  -11.12       65.51
1.000       1.000       141.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
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0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   28.90      4.7910E-04   113.0       76.94       147.5       81.43          UL-RL  5.7856E+04  -11.32       67.54
1.000       1.000       144.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   29.49      4.8730E-04   114.7       77.87       149.3       82.54          UL-RL  5.7856E+04  -11.52       69.56
1.000       1.000       147.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   30.08      4.9559E-04   116.5       78.81       151.1       83.65          UL-RL  5.7856E+04  -11.72       71.59
1.000       1.000       150.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   30.67      5.0394E-04   118.3       79.74       152.9       84.76          UL-RL  5.7856E+04  -11.92       73.62
1.000       1.000       153.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   31.26      5.1236E-04   120.1       80.68       154.6       85.86          UL-RL  5.7856E+04  -12.12       75.64
1.000       1.000       156.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   31.86      5.2082E-04   121.8       81.62       156.4       86.97          UL-RL  5.7856E+04  -12.32       77.67
1.000       1.000       159.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   32.45      5.2932E-04   123.6       82.57       158.2       88.08          UL-RL  5.7856E+04  -12.52       79.69
1.000       1.000       162.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   33.05      5.3786E-04   125.4       83.52       160.0       89.19          UL-RL  5.7856E+04  -12.72       81.72
1.000       1.000       165.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   33.64      5.4643E-04   127.2       84.46       161.7       90.29          UL-RL  5.7856E+04  -12.92       83.75
1.000       1.000       168.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   34.24      5.5503E-04   128.9       85.41       163.5       91.40          UL-RL  5.7856E+04  -13.12       85.77
1.000       1.000       171.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   34.83      5.6365E-04   130.7       86.37       165.3       92.51          UL-RL  5.7856E+04  -13.32       87.80
1.000       1.000       174.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   35.43      5.7229E-04   132.5       87.32       167.1       93.62          UL-RL  5.7856E+04  -13.52       89.82
1.000       1.000       177.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   36.02      5.8095E-04   134.2       88.27       168.8       94.72          UL-RL  5.7856E+04  -13.72       91.85
1.000       1.000       180.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   37.42      8.6544E-05   136.0       93.22       170.6       93.22           V-C  1.2653E+05  -13.92       93.88
1.000       1.000       187.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   37.98      8.5336E-05   138.0       94.01       172.6       94.07          UL-RL  3.7958E+05  -14.12       95.90
1.000       1.000       189.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   38.55      8.4153E-05   140.0       94.82       174.6       94.93          UL-RL  3.7958E+05  -14.32       97.93
1.000       1.000       192.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   39.12      8.2995E-05   142.0       95.63       176.5       95.79          UL-RL  3.7958E+05  -14.52       99.95
1.000       1.000       195.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   39.68      8.1862E-05   143.9       96.44       178.5       96.65          UL-RL  3.7958E+05  -14.72       102.0
1.000       1.000       198.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   40.25      8.0751E-05   145.9       97.26       180.5       97.51          UL-RL  3.7958E+05  -14.92       104.0
1.000       1.000       201.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   40.82      7.9661E-05   147.9       98.09       182.5       98.37          UL-RL  3.7958E+05  -15.12       106.0
1.000       1.000       204.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   41.40      7.8589E-05   149.9       98.92       184.4       99.24          UL-RL  3.7958E+05  -15.32       108.1
1.000       1.000       207.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   41.97      7.7532E-05   151.8       99.76       186.4       100.1          UL-RL  3.7958E+05  -15.52       110.1
1.000       1.000       209.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   42.50      7.6487E-05   153.8       100.4       188.4       101.1          UL-RL  3.7958E+05  -15.72       112.1
1.000       1.000       212.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   42.95      7.5450E-05   155.8       100.6       190.4       102.2          UL-RL  3.7958E+05  -15.92       114.1
1.000       1.000       214.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   43.40      7.4419E-05   157.8       100.9       192.3       103.4          UL-RL  3.7958E+05  -16.12       116.2
1.000       1.000       217.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   43.86      7.3391E-05   159.7       101.1       194.3       104.6          UL-RL  3.7958E+05  -16.32       118.2
1.000       1.000       219.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   22.15      6.9198E-05   161.7       101.3       196.3       105.1          UL-RL  3.7958E+05  -16.52       120.2
1.000       1.000       221.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
```

New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   81
C U R R E N T   T I M E   I S   4.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

EL	TA	TB	MA	MB
1	1.68009E-10	-1.68009E-10	1.70447E-11	-4.09777E-11
2	0.44688	-0.44688	6.50966E-11	8.93760E-02
3	1.3406	-1.3406	-8.93760E-02	0.35750
4	2.6813	-2.6813	-0.35750	0.89376
5	4.4688	-4.4688	-0.89376	1.7875
6	6.7032	-6.7032	-1.7875	3.1282
7	9.3845	-9.3845	-3.1282	5.0051
8	12.513	-12.513	-5.0051	7.5076
9	15.366	-15.366	-7.5076	10.581
10	17.222	-17.222	-10.581	14.025
11	18.080	-18.080	-14.025	17.641
12	17.942	-17.942	-17.641	21.230
13	16.807	-16.807	-21.230	24.591
14	15.509	-15.509	-24.591	27.693
15	14.264	-14.264	-27.693	30.545
16	13.072	-13.072	-30.545	33.160
17	11.935	-11.935	-33.160	35.547
18	10.852	-10.852	-35.547	37.717
19	9.8244	-9.8244	-37.717	39.682
20	8.8507	-8.8507	-39.682	41.452
21	7.9305	-7.9305	-41.452	43.038
22	6.5569	-6.5569	-43.038	44.350
23	5.3790	-5.3790	-44.350	45.426
24	4.2522	-4.2522	-45.426	46.276
25	3.1751	-3.1751	-46.276	46.911
26	2.1462	-2.1462	-46.911	47.340
27	1.1643	-1.1643	-47.340	47.573
28	0.22781	-0.22781	-47.573	47.619
29	-0.66464	0.66464	-47.619	47.486
30	-1.5145	1.5145	-47.486	47.183
31	-2.3233	2.3233	-47.183	46.718
32	-3.0923	3.0923	-46.718	46.100
33	-3.8231	3.8231	-46.100	45.335
34	-4.5170	4.5170	-45.335	44.432
35	-5.1755	5.1755	-44.432	43.397
36	-5.7998	5.7998	-43.397	42.237
37	-6.3914	6.3914	-42.237	40.958
38	-6.9516	6.9516	-40.958	39.568
39	-7.4726	7.4726	-39.568	38.074
40	-7.9154	7.9154	-38.074	36.490
41	-8.2835	8.2835	-36.490	34.834
42	-8.5804	8.5804	-34.834	33.118
43	-8.8092	8.8092	-33.118	31.356
44	-8.9729	8.9729	-31.356	29.561
45	-9.0746	9.0746	-29.561	27.746
46	-9.1169	9.1169	-27.746	25.923
47	-9.1023	9.1023	-25.923	24.103
48	-9.0334	9.0334	-24.103	22.296
49	-8.9123	8.9123	-22.296	20.513
50	-8.7410	8.7410	-20.513	18.765
51	-8.5215	8.5215	-18.765	17.061
52	-8.2555	8.2555	-17.061	15.410
53	-7.9445	7.9445	-15.410	13.821
54	-7.5901	7.5901	-13.821	12.303
55	-7.1933	7.1933	-12.303	10.864
56	-6.7554	6.7554	-10.864	9.5132
57	-6.2774	6.2774	-9.5132	8.2577
58	-5.7601	5.7601	-8.2577	7.1057
59	-5.2043	5.2043	-7.1057	6.0648
60	-4.6105	4.6105	-6.0648	5.1427
61	-3.9794	3.9794	-5.1427	4.3469
62	-3.3114	3.3114	-4.3469	3.6846
63	-2.6068	2.6068	-3.6846	3.1632
64	-1.8660	1.8660	-3.1632	2.7900
65	-1.0893	1.0893	-2.7900	2.5721
66	-0.27694	0.27694	-2.5721	2.5168
67	0.57094	-0.57094	-2.5168	2.6309
68	1.4541	-1.4541	-2.6309	2.9218
69	0.71340	-0.71340	-2.9218	3.0644
70	6.80788E-02	-6.80788E-02	-3.0644	3.0781

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   71-0.48521     0.48521     -3.0781      2.9810
   72-0.94944     0.94944     -2.9810      2.7911
   73 -1.3272      1.3272     -2.7911      2.5257
   74 -1.6208      1.6208     -2.5257      2.2015
   75 -1.8320      1.8320     -2.2015      1.8351
   76 -1.9625      1.9625     -1.8351      1.4426
   77 -2.0133      2.0133     -1.4426      1.0400
   78 -1.9409      1.9409     -1.0400     0.65179
   79 -1.6660      1.6660    -0.65179     0.31859
   80 -1.1597      1.1597    -0.31859     8.66529E-02
   81-0.43324     0.43324    -8.66529E-02-1.54575E-12

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1025E+06 RIMNOR=0.1178E+06
           RENORM= 578.4     REMNOR=0.3828E-19 RATIO =0.7510E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 44.58     RMMAX = 47.62
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1025E+06 RDR   =0.1178E+06
           RATIOT=0.7510E-01 RATIOR= 0.000
           MAX UN= 7.895     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           MIN UN=-.1680E-09 IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1025E+06 RIMNOR=0.1178E+06
           RENORM= 177.3     REMNOR=0.2027E-17 RATIO =0.4158E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 44.58     RMMAX = 47.62
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1025E+06 RDR   =0.1178E+06
           RATIOT=0.4158E-01 RATIOR= 0.000
           MAX UN= 4.280     IEQ=    43 NODE     22 DOF   1  Y-DISPL.F
           MIN UN=-1.010     IEQ=   161 NODE     81 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1025E+06 RIMNOR=0.1178E+06
           RENORM= 10.07     REMNOR=0.3161E-17 RATIO =0.9909E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 44.58     RMMAX = 47.62
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1025E+06 RDR   =0.1178E+06
           RATIOT=0.9909E-02 RATIOR= 0.000
           MAX UN= 1.661     IEQ=    97 NODE     49 DOF   1  Y-DISPL.F
           MIN UN=-.8657E-08 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1025E+06 RIMNOR=0.1178E+06
           RENORM=0.1720     REMNOR=0.1377E-17 RATIO =0.1295E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 44.58     RMMAX = 47.62
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1025E+06 RDR   =0.1178E+06
           RATIOT=0.1295E-02 RATIOR= 0.000
           MAX UN=0.2989     IEQ=   149 NODE     75 DOF   1  Y-DISPL.F
           MIN UN=-.2131     IEQ=   151 NODE     76 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1025E+06 RIMNOR=0.1178E+06
           RENORM=0.1434E-02 REMNOR=0.1797E-17 RATIO =0.1183E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 44.58     RMMAX = 47.62
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1025E+06 RDR   =0.1178E+06
           RATIOT=0.1183E-03 RATIOR= 0.000
           MAX UN=0.1800E-01 IEQ=   147 NODE     74 DOF   1  Y-DISPL.F
           MIN UN=-.8046E-08 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1025E+06 RIMNOR=0.1178E+06
           RENORM=0.1214E-04 REMNOR=0.9957E-18 RATIO =0.1088E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 44.58     RMMAX = 47.62
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1025E+06 RDR   =0.1178E+06
           RATIOT=0.1088E-04 RATIOR= 0.000
           MAX UN=0.4737E-03 IEQ=   129 NODE     65 DOF   1  Y-DISPL.F
           MIN UN=-.2313E-02 IEQ=   159 NODE     80 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

New Project
SOLUTION REACHED USING   6 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P   5   (AT TIME   5.000   ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

	Y-DISPL.F 02	X-ROT. F 04
1	5.0152143E-03	-5.0304474E-04
2	4.9146053E-03	-5.0304474E-04
3	4.8139965E-03	-5.0304291E-04
4	4.7133887E-03	-5.0303374E-04
5	4.6127841E-03	-5.0300807E-04
6	4.5161807E-03	-5.0295307E-04
7	4.4205463E-03	-5.0285223E-04
8	4.3250009E-03	-5.0268539E-04
9	4.2295386E-03	-5.0242871E-04
10	4.1341673E-03	-5.0205469E-04
11	4.0483406E-03	-5.0153216E-04
12	3.9635948E-03	-5.0082629E-04
13	3.8790233E-03	-4.9989857E-04
14	3.7946722E-03	-4.9870684E-04
15	3.7105968E-03	-4.9720526E-04
16	3.6268627E-03	-4.9534433E-04
17	3.5435460E-03	-4.9307088E-04
18	3.4607331E-03	-4.9033398E-04
19	3.3785213E-03	-4.8709092E-04
20	3.2970150E-03	-4.8330718E-04
21	3.2163238E-03	-4.7895634E-04
22	2.9383355E-03	-4.7402023E-04
23	2.8528678E-03	-4.6851662E-04
24	2.7711925E-03	-4.6249371E-04
25	2.6907702E-03	-4.5599744E-04
26	2.6116903E-03	-4.4907196E-04
27	2.5340349E-03	-4.4175982E-04
28	2.4578772E-03	-4.3410187E-04
29	2.3832823E-03	-4.2613734E-04
30	2.3103082E-03	-4.1790386E-04
31	2.2390043E-03	-4.0943740E-04
32	2.1694140E-03	-4.0077245E-04
33	2.1015738E-03	-3.9194198E-04
34	2.0355137E-03	-3.8297745E-04
35	1.9712573E-03	-3.7390886E-04
36	1.9088229E-03	-3.6476485E-04
37	1.8482223E-03	-3.5557252E-04
38	1.7894628E-03	-3.4635777E-04
39	1.7325464E-03	-3.3714511E-04
40	1.6774704E-03	-3.2795780E-04
41	1.6242274E-03	-3.1881781E-04
42	1.5728060E-03	-3.0974592E-04
43	1.5231907E-03	-3.0076176E-04
44	1.4753617E-03	-2.9188370E-04
45	1.4292963E-03	-2.8312910E-04
46	1.3849680E-03	-2.7451420E-04
47	1.3423475E-03	-2.6605422E-04
48	1.3014025E-03	-2.5776336E-04
49	1.2620974E-03	-2.4965474E-04
50	1.2243939E-03	-2.4174044E-04
51	1.1882555E-03	-2.3403256E-04
52	1.1536355E-03	-2.2654052E-04
53	1.1204914E-03	-2.1927427E-04
54	1.0887773E-03	-2.1224251E-04
55	1.0584454E-03	-2.0545312E-04
56	1.0294465E-03	-1.9891319E-04
57	1.0017302E-03	-1.9262905E-04
58	9.7524459E-04	-1.8660627E-04
59	9.4993702E-04	-1.8084971E-04
60	9.2575378E-04	-1.7536354E-04
61	9.0264048E-04	-1.7015072E-04
62	8.8054228E-04	-1.6521248E-04
63	8.5940431E-04	-1.6054815E-04
64	8.3917200E-04	-1.5615529E-04
65	8.1979146E-04	-1.5202967E-04
66	8.0120979E-04	-1.4816536E-04
67	7.8337547E-04	-1.4455473E-04
68	7.6623866E-04	-1.4118854E-04
69	2.4665874E-04	-1.3805595E-04
70	2.2085918E-04	-1.3516082E-04
71	1.9561340E-04	-1.3252085E-04
72	1.7086888E-04	-1.3015043E-04
73	1.4657055E-04	-1.2806064E-04
74	1.2266145E-04	-1.2625937E-04

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75   9.9083326E-05  -1.2475135E-04
76   7.5777503E-05  -1.2353565E-04
77   5.2686281E-05  -1.2260325E-04
78   2.9754662E-05  -1.2193573E-04
79   6.9324267E-06  -1.2150363E-04
80  -1.5823593E-05  -1.2126579E-04
81  -3.8547139E-05  -1.2116911E-04
82  -6.4426544E-05  -1.2114867E-04
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:48                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                          :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      5.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -5.0152E-03   0.000       0.000       6.080       3.040         PASSIVE   0.000     -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.4471     -4.9146E-03   3.800       2.235       9.880       4.940           UL-RL  2.9096E+04 -0.5200       0.000
1.000       1.000       2.235       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D  0.8939     -4.8140E-03   7.600       4.470       13.68       6.840           UL-RL  2.9096E+04 -0.7200       0.000
1.000       1.000       4.470       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.341     -4.7134E-03   11.40       6.704       17.48       8.740           UL-RL  2.9096E+04 -0.9200       0.000
1.000       1.000       6.704       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.788     -4.6128E-03   15.20       8.938       21.28       10.64           UL-RL  2.9096E+04  -1.120       0.000
1.000       1.000       8.938       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   2.235     -4.5162E-03   19.00       11.17       25.08       12.54           UL-RL  2.9096E+04  -1.320       0.000
1.000       1.000       11.17       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.681     -4.4205E-03   22.80       13.41       28.88       14.44           UL-RL  2.9096E+04  -1.520       0.000
1.000       1.000       13.41       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   3.128     -4.3250E-03   26.60       15.64       32.68       16.34           UL-RL  2.9096E+04  -1.720       0.000
1.000       1.000       15.64       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.575     -4.2295E-03   30.40       17.88       36.48       18.24           UL-RL  2.9096E+04  -1.920       0.000
1.000       1.000       17.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   4.022     -4.1342E-03   34.20       20.11       40.28       20.14           UL-RL  2.9096E+04  -2.120       0.000
1.000       1.000       20.11       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   4.469     -4.0483E-03   38.00       22.34       44.08       22.34             V-C   9699.      -2.320       0.000
1.000       1.000       22.34       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.916     -3.9636E-03   41.80       24.58       47.88       24.58             V-C   9699.      -2.520       0.000
1.000       1.000       24.58       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   5.363     -3.8790E-03   45.60       26.81       51.68       26.81             V-C   9699.      -2.720       0.000
1.000       1.000       26.81       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.809     -3.7947E-03   49.40       29.05       55.48       29.05             V-C   9699.      -2.920       0.000
1.000       1.000       29.05       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   6.256     -3.7106E-03   53.20       31.28       59.28       31.28             V-C   9699.      -3.120       0.000
1.000       1.000       31.28       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   6.703     -3.6269E-03   57.00       33.52       63.08       33.52           ACTIVE   0.000      -3.320       0.000
1.000       1.000       33.52       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   7.150     -3.5435E-03   60.80       35.75       66.88       35.75           ACTIVE   0.000      -3.520       0.000
1.000       1.000       35.75       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   7.597     -3.4607E-03   64.60       37.98       70.68       37.98           ACTIVE   0.000      -3.720       0.000
1.000       1.000       37.98       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   8.044     -3.3785E-03   68.40       40.22       74.48       40.22           ACTIVE   0.000      -3.920       0.000
1.000       1.000       40.22       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   8.491     -3.2970E-03   72.20       42.45       78.28       42.45           ACTIVE   0.000      -4.120       0.000
1.000       1.000       42.45       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   8.938     -3.2163E-03   76.00       44.69       82.08       44.69           ACTIVE   0.000      -4.320       0.000
1.000       1.000       44.69       0.000       0.000       0.000       0.000     a_20886_12_L_0                       0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   7.878     -2.9383E-03   78.02       37.61       84.10       42.05           ACTIVE   0.000      -4.520       1.776
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1.000       1.000       39.39       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   8.509     -2.8529E-03   79.85       38.79       85.93       42.97         ACTIVE   0.000      -4.720       3.750
1.000       1.000       42.54       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   9.140     -2.7712E-03   81.68       39.97       87.76       43.88         ACTIVE   0.000      -4.920       5.724
1.000       1.000       45.70       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   9.771     -2.6908E-03   83.50       41.16       89.58       44.79         ACTIVE   0.000      -5.120       7.698
1.000       1.000       48.85       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   10.40     -2.6117E-03   85.33       42.34       91.41       45.70         ACTIVE   0.000      -5.320       9.672
1.000       1.000       52.01       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   11.03     -2.5340E-03   87.15       43.52       93.23       46.62         ACTIVE   0.000      -5.520       11.65
1.000       1.000       55.16       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   11.66     -2.4579E-03   88.98       44.70       95.06       47.61         ACTIVE   0.000      -5.720       13.62
1.000       1.000       58.32       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   12.30     -2.3833E-03   90.81       45.88       96.89       48.77         ACTIVE   0.000      -5.920       15.59
1.000       1.000       61.48       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   12.93     -2.3103E-03   92.63       47.06       98.71       49.93         ACTIVE   0.000      -6.120       17.57
1.000       1.000       64.63       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   13.56     -2.2390E-03   94.46       48.24       100.5       51.09         ACTIVE   0.000      -6.320       19.54
1.000       1.000       67.79       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   14.19     -2.1694E-03   96.28       49.43       102.4       52.25         ACTIVE   0.000      -6.520       21.52
1.000       1.000       70.94       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   14.82     -2.1016E-03   98.11       50.61       104.2       53.41         ACTIVE   0.000      -6.720       23.49
1.000       1.000       74.10       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   15.45     -2.0355E-03   99.94       51.79       106.0       54.57         ACTIVE   0.000      -6.920       25.46
1.000       1.000       77.25       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   16.08     -1.9713E-03   101.8       52.97       107.8       55.73         ACTIVE   0.000      -7.120       27.44
1.000       1.000       80.41       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   16.71     -1.9088E-03   103.6       54.15       109.7       56.89         ACTIVE   0.000      -7.320       29.41
1.000       1.000       83.56       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   17.34     -1.8482E-03   105.4       55.33       111.5       58.05         ACTIVE   0.000      -7.520       31.39
1.000       1.000       86.72       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   17.97     -1.7895E-03   107.2       56.51       113.3       59.21         ACTIVE   0.000      -7.720       33.36
1.000       1.000       89.87       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   18.61     -1.7325E-03   109.1       57.70       115.1       60.37         ACTIVE   0.000      -7.920       35.33
1.000       1.000       93.03       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   19.24     -1.6775E-03   110.9       58.88       117.0       61.53         ACTIVE   0.000      -8.120       37.31
1.000       1.000       96.19       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   19.87     -1.6242E-03   112.7       60.06       118.8       62.69         ACTIVE   0.000      -8.320       39.28
1.000       1.000       99.34       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   20.50     -1.5728E-03   114.5       61.24       120.6       63.85         ACTIVE   0.000      -8.520       41.26
1.000       1.000       102.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   21.13     -1.5232E-03   116.4       62.42       122.5       65.01         ACTIVE   0.000      -8.720       43.23
1.000       1.000       105.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   21.76     -1.4754E-03   118.2       63.60       124.3       66.17         ACTIVE   0.000      -8.920       45.20
1.000       1.000       108.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   22.39     -1.4293E-03   120.0       64.78       126.1       67.33         ACTIVE   0.000      -9.120       47.18
1.000       1.000       112.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   23.02     -1.3850E-03   121.8       65.97       127.9       68.48         ACTIVE   0.000      -9.320       49.15
1.000       1.000       115.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   23.65     -1.3423E-03   123.7       67.15       129.8       69.64         ACTIVE   0.000      -9.520       51.13
1.000       1.000       118.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   24.29     -1.3014E-03   125.5       68.33       131.6       70.80         ACTIVE   0.000      -9.720       53.10
1.000       1.000       121.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   24.92     -1.2621E-03   127.3       69.51       133.4       71.96         ACTIVE   0.000      -9.920       55.07
1.000       1.000       124.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   25.55     -1.2244E-03   129.2       70.69       135.2       73.12         ACTIVE   0.000      -10.12       57.05
1.000       1.000       127.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   26.18     -1.1883E-03   131.0       71.87       137.1       74.28         ACTIVE   0.000      -10.32       59.02
1.000       1.000       130.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   26.81     -1.1536E-03   132.8       73.05       138.9       75.44         ACTIVE   0.000      -10.52       61.00
1.000       1.000       134.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   27.44     -1.1205E-03   134.6       74.24       140.7       76.60          ACTIVE   0.000      -10.72       62.97
1.000       1.000       137.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   28.07     -1.0888E-03   136.5       75.42       142.5       77.76          ACTIVE   0.000      -10.92       64.94
1.000       1.000       140.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   28.70     -1.0584E-03   138.3       76.60       144.4       78.92          ACTIVE   0.000      -11.12       66.92
1.000       1.000       143.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   29.33     -1.0294E-03   140.1       77.78       146.2       80.08          ACTIVE   0.000      -11.32       68.89
1.000       1.000       146.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   29.97     -1.0017E-03   141.9       78.96       148.0       81.24          ACTIVE   0.000      -11.52       70.86
1.000       1.000       149.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   30.60     -9.7524E-04   143.8       80.14       149.8       82.40          ACTIVE   0.000      -11.72       72.84
1.000       1.000       153.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   31.23     -9.4994E-04   145.6       81.32       151.7       83.56          ACTIVE   0.000      -11.92       74.81
1.000       1.000       156.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   31.86     -9.2575E-04   147.4       82.51       153.5       84.72          ACTIVE   0.000      -12.12       76.79
1.000       1.000       159.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   32.49     -9.0264E-04   149.2       83.69       155.3       85.88          ACTIVE   0.000      -12.32       78.76
1.000       1.000       162.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   33.12     -8.8054E-04   151.1       84.87       157.1       87.04          ACTIVE   0.000      -12.52       80.73
1.000       1.000       165.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   33.75     -8.5940E-04   152.9       86.05       159.0       88.20          ACTIVE   0.000      -12.72       82.71
1.000       1.000       168.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   34.38     -8.3917E-04   154.7       87.23       160.8       89.36          ACTIVE   0.000      -12.92       84.68
1.000       1.000       171.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   35.01     -8.1979E-04   156.5       88.41       162.6       90.52          ACTIVE   0.000      -13.12       86.66
1.000       1.000       175.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   35.65     -8.0121E-04   158.4       89.59       164.4       91.68          ACTIVE   0.000      -13.32       88.63
1.000       1.000       178.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   36.28     -7.8338E-04   160.2       90.78       166.3       92.83          ACTIVE   0.000      -13.52       90.60
1.000       1.000       181.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   36.91     -7.6624E-04   162.0       91.96       168.1       93.99          ACTIVE   0.000      -13.72       92.58
1.000       1.000       184.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   36.68     -2.4666E-04   163.9       88.85       169.9       89.89          UL-RL  2.1954E+05  -13.92       94.55
1.000       1.000       183.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   37.33     -2.2086E-04   165.9       90.11       172.0       91.11          UL-RL  2.1954E+05  -14.12       96.53
1.000       1.000       186.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   37.97     -1.9561E-04   167.9       91.37       174.0       92.33          UL-RL  2.1954E+05  -14.32       98.50
1.000       1.000       189.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   38.62     -1.7087E-04   169.9       92.63       176.0       93.55          UL-RL  2.1954E+05  -14.52       100.5
1.000       1.000       193.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   39.27     -1.4657E-04   172.0       93.89       178.1       94.77          UL-RL  2.1954E+05  -14.72       102.4
1.000       1.000       196.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   39.91     -1.2266E-04   174.0       95.15       180.1       95.99          UL-RL  2.1954E+05  -14.92       104.4
1.000       1.000       199.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   40.56     -9.9083E-05   176.0       96.41       182.1       97.21          UL-RL  2.1954E+05  -15.12       106.4
1.000       1.000       202.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   41.21     -7.5778E-05   178.0       97.67       184.1       99.23          UL-RL  2.1954E+05  -15.32       108.4
1.000       1.000       206.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   42.19     -5.2686E-05   180.1       100.6       186.2       101.7          UL-RL  2.1954E+05  -15.52       110.3
1.000       1.000       210.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   43.21     -2.9755E-05   182.1       103.7       188.2       104.4          UL-RL  2.1954E+05  -15.72       112.3
1.000       1.000       216.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   44.23     -6.9324E-06   184.1       106.9       190.2       107.1          UL-RL  2.1954E+05  -15.92       114.3
1.000       1.000       221.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   45.25      1.5824E-05   186.2       110.0       192.2       110.0          UL-RL  2.1954E+05  -16.12       116.3
1.000       1.000       226.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   46.24      3.8547E-05   188.2       112.9       194.3       113.0          UL-RL  2.1954E+05  -16.32       118.2
1.000       1.000       231.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   23.57      6.4427E-05   190.2       115.5       196.3       115.5          UL-RL  2.1954E+05  -16.52       120.2
1.000       1.000       235.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
```

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:48                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      5.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1     0.000         --          --          --          --          --         REMOVED     --      -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --         REMOVED     --      -0.5200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --         REMOVED     --      -0.7200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --         REMOVED     --      -0.9200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --         REMOVED     --       -1.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --         REMOVED     --       -1.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --         REMOVED     --       -1.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --         REMOVED     --       -1.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --         REMOVED     --       -1.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --         REMOVED     --       -2.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --         REMOVED     --       -2.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --         REMOVED     --       -2.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --         REMOVED     --       -2.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --         REMOVED     --       -2.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --         REMOVED     --       -3.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  16 D   0.000      3.6269E-03   0.000       0.000       63.08       39.47        PASSIVE   0.000      -3.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   1.444      3.5435E-03   3.800       7.220       66.88       41.44        PASSIVE   0.000      -3.520       0.000
1.000       1.000       7.220       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   2.888      3.4607E-03   7.600       14.44       70.68       43.40        PASSIVE   0.000      -3.720       0.000
1.000       1.000       14.44       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   4.332      3.3785E-03   11.40       21.66       74.48       45.36        PASSIVE   0.000      -3.920       0.000
1.000       1.000       21.66       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   5.776      3.2970E-03   15.20       28.88       78.28       47.32        PASSIVE   0.000      -4.120       0.000
1.000       1.000       28.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   7.220      3.2163E-03   19.00       36.10       82.08       49.29        PASSIVE   0.000      -4.320       0.000
1.000       1.000       36.10       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   13.92      2.9383E-03   22.80       69.62       85.88       69.62             V-C  1.0414E+04  -4.520       0.000
1.000       1.000       69.62       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   14.21      2.8529E-03   25.92       70.37       89.00       70.37             V-C  1.0414E+04  -4.720       0.6798
1.000       1.000       71.05       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   14.63      2.7712E-03   27.69       70.45       90.77       70.45             V-C  1.0414E+04  -4.920       2.706
1.000       1.000       73.15       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   15.05      2.6908E-03   29.47       70.54       92.55       70.54             V-C  1.0414E+04  -5.120       4.732
1.000       1.000       75.27       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   15.48      2.6117E-03   31.24       70.65       94.32       70.65             V-C  1.0414E+04  -5.320       6.758
1.000       1.000       77.41       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   15.91      2.5340E-03   33.02       70.77       96.10       70.77             V-C  1.0414E+04  -5.520       8.784
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1.000       1.000       79.56       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   16.34      2.4579E-03   34.79       70.91       97.87       70.91            V-C  1.0414E+04  -5.720       10.81
1.000       1.000       81.72       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   16.78      2.3833E-03   36.56       71.07       99.64       71.07            V-C  1.0414E+04  -5.920       12.84
1.000       1.000       83.91       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   17.22      2.3103E-03   38.34       71.24       101.4       71.24            V-C  1.0414E+04  -6.120       14.86
1.000       1.000       86.11       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   17.66      2.2390E-03   40.11       71.44       103.2       71.44            V-C  1.0414E+04  -6.320       16.89
1.000       1.000       88.32       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   18.11      2.1694E-03   41.89       71.65       105.0       71.65            V-C  1.0414E+04  -6.520       18.91
1.000       1.000       90.56       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   18.56      2.1016E-03   43.66       71.88       106.7       71.88            V-C  1.0414E+04  -6.720       20.94
1.000       1.000       92.82       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   19.02      2.0355E-03   45.43       72.13       108.5       72.13            V-C  1.0414E+04  -6.920       22.97
1.000       1.000       95.10       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   19.48      1.9713E-03   47.21       72.41       110.3       72.41            V-C  1.0414E+04  -7.120       24.99
1.000       1.000       97.40       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   19.94      1.9088E-03   48.98       72.70       112.1       72.70            V-C  1.0414E+04  -7.320       27.02
1.000       1.000       99.72       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   20.41      1.8482E-03   50.76       73.02       113.8       73.02            V-C  1.0414E+04  -7.520       29.04
1.000       1.000       102.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   20.88      1.7895E-03   52.53       73.35       115.6       73.35            V-C  1.0414E+04  -7.720       31.07
1.000       1.000       104.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   21.36      1.7325E-03   54.30       73.71       117.4       73.71            V-C  1.0414E+04  -7.920       33.10
1.000       1.000       106.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   21.84      1.6775E-03   56.08       74.09       119.2       74.09            V-C  1.0414E+04  -8.120       35.12
1.000       1.000       109.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   22.33      1.6242E-03   57.85       74.49       120.9       74.49            V-C  1.0414E+04  -8.320       37.15
1.000       1.000       111.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   22.82      1.5728E-03   59.63       74.90       122.7       74.90            V-C  1.0414E+04  -8.520       39.17
1.000       1.000       114.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   23.31      1.5232E-03   61.40       75.34       124.5       75.34            V-C  1.0414E+04  -8.720       41.20
1.000       1.000       116.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   23.81      1.4754E-03   63.17       75.81       126.3       75.81            V-C  1.0414E+04  -8.920       43.23
1.000       1.000       119.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   24.31      1.4293E-03   64.95       76.29       128.0       76.29            V-C  1.0414E+04  -9.120       45.25
1.000       1.000       121.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   24.81      1.3850E-03   66.72       76.79       129.8       76.79            V-C  1.0414E+04  -9.320       47.28
1.000       1.000       124.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   25.32      1.3423E-03   68.50       77.30       131.6       77.30            V-C  1.0414E+04  -9.520       49.30
1.000       1.000       126.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   25.83      1.3014E-03   70.27       77.84       133.3       77.84            V-C  1.0414E+04  -9.720       51.33
1.000       1.000       129.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   26.35      1.2621E-03   72.04       78.40       135.1       78.40            V-C  1.0414E+04  -9.920       53.36
1.000       1.000       131.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   26.87      1.2244E-03   73.82       78.97       136.9       78.97            V-C  1.0414E+04  -10.12       55.38
1.000       1.000       134.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   27.39      1.1883E-03   75.59       79.56       138.7       79.56            V-C  1.0414E+04  -10.32       57.41
1.000       1.000       137.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   27.92      1.1536E-03   77.37       80.17       140.4       80.17            V-C  1.0414E+04  -10.52       59.43
1.000       1.000       139.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  53 D   28.45      1.1205E-03   79.14       80.79       142.2       80.79            V-C  1.0414E+04  -10.72       61.46
1.000       1.000       142.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   28.98      1.0888E-03   80.91       81.43       144.0       81.43            V-C  1.0414E+04  -10.92       63.49
1.000       1.000       144.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   29.52      1.0584E-03   82.69       82.09       145.8       82.09            V-C  1.0414E+04  -11.12       65.51
1.000       1.000       147.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   30.06      1.0294E-03   84.46       82.76       147.5       82.76            V-C  1.0414E+04  -11.32       67.54
1.000       1.000       150.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   30.60      1.0017E-03   86.24       83.44       149.3       83.44            V-C  1.0414E+04  -11.52       69.56
1.000       1.000       153.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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58 D	31.15	9.7524E-04	88.01	84.13	151.1	84.13	V-C	1.0414E+04	-11.72	71.59
1.000	1.000	155.7	0.000	0.000	8.000	8.000	Ecla_20887_22088_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
59 D	31.69	9.4994E-04	89.78	84.84	152.9	84.84	V-C	1.0414E+04	-11.92	73.62
1.000	1.000	158.5	0.000	0.000	8.000	8.000	Ecla_20887_22088_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
60 D	32.12	9.2575E-04	91.56	84.96	154.6	85.86	UL-RL	3.1242E+04	-12.12	75.64
1.000	1.000	160.6	0.000	0.000	8.000	8.000	Ecla_20887_22088_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
61 D	32.52	9.0264E-04	93.33	84.94	156.4	86.97	UL-RL	3.1242E+04	-12.32	77.67
1.000	1.000	162.6	0.000	0.000	8.000	8.000	Ecla_20887_22088_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
62 D	32.93	8.8054E-04	95.11	84.95	158.2	88.08	UL-RL	3.1242E+04	-12.52	79.69
1.000	1.000	164.6	0.000	0.000	8.000	8.000	Ecla_20887_22088_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
63 D	33.34	8.5940E-04	96.88	85.00	160.0	89.19	UL-RL	3.1242E+04	-12.72	81.72
1.000	1.000	166.7	0.000	0.000	8.000	8.000	Ecla_20887_22088_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
64 D	33.76	8.3917E-04	98.65	85.07	161.7	90.29	UL-RL	3.1242E+04	-12.92	83.75
1.000	1.000	168.8	0.000	0.000	8.000	8.000	Ecla_20887_22088_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
65 D	34.19	8.1979E-04	100.4	85.16	163.5	91.40	UL-RL	3.1242E+04	-13.12	85.77
1.000	1.000	170.9	0.000	0.000	8.000	8.000	Ecla_20887_22088_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
66 D	34.62	8.0121E-04	102.2	85.28	165.3	92.51	UL-RL	3.1242E+04	-13.32	87.80
1.000	1.000	173.1	0.000	0.000	8.000	8.000	Ecla_20887_22088_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
67 D	35.05	7.8338E-04	104.0	85.43	167.1	93.62	UL-RL	3.1242E+04	-13.52	89.82
1.000	1.000	175.3	0.000	0.000	8.000	8.000	Ecla_20887_22088_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
68 D	35.49	7.6624E-04	105.7	85.59	168.8	94.72	UL-RL	3.1242E+04	-13.72	91.85
1.000	1.000	177.4	0.000	0.000	8.000	8.000	Ecla_20887_22088_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
69 D	39.04	2.4666E-04	107.5	101.3	170.6	101.3	UL-RL	2.0497E+05	-13.92	93.88
1.000	1.000	195.2	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
70 D	39.28	2.2086E-04	109.5	100.5	172.6	100.5	UL-RL	2.0497E+05	-14.12	95.90
1.000	1.000	196.4	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
71 D	39.52	1.9561E-04	111.5	99.69	174.6	99.71	UL-RL	2.0497E+05	-14.32	97.93
1.000	1.000	197.6	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
72 D	39.78	1.7087E-04	113.5	98.93	176.5	98.95	UL-RL	2.0497E+05	-14.52	99.95
1.000	1.000	198.9	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
73 D	40.03	1.4657E-04	115.4	98.19	178.5	98.22	UL-RL	2.0497E+05	-14.72	102.0
1.000	1.000	200.2	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
74 D	40.30	1.2266E-04	117.4	97.49	180.5	97.52	UL-RL	2.0497E+05	-14.92	104.0
1.000	1.000	201.5	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
75 D	39.95	9.9083E-05	119.4	93.74	182.5	98.37	UL-RL	2.0497E+05	-15.12	106.0
1.000	1.000	199.8	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
76 D	39.62	7.5778E-05	121.4	90.03	184.4	99.24	UL-RL	2.0497E+05	-15.32	108.1
1.000	1.000	198.1	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
77 D	39.29	5.2686E-05	123.3	86.36	186.4	100.1	UL-RL	2.0497E+05	-15.52	110.1
1.000	1.000	196.4	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
78 D	38.92	2.9755E-05	125.3	82.51	188.4	101.1	UL-RL	2.0497E+05	-15.72	112.1
1.000	1.000	194.6	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
79 D	38.49	6.9324E-06	127.3	78.30	190.4	102.2	UL-RL	2.0497E+05	-15.92	114.1
1.000	1.000	192.4	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
80 D	38.05	-1.5824E-05	129.3	74.10	192.3	103.4	UL-RL	2.0497E+05	-16.12	116.2
1.000	1.000	190.3	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
81 D	37.62	-3.8547E-05	131.2	69.90	194.3	104.6	UL-RL	2.0497E+05	-16.32	118.2
1.000	1.000	188.1	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
82 D	18.59	-6.4427E-05	133.2	65.71	196.3	105.1	UL-RL	2.0497E+05	-16.52	120.2
1.000	1.000	185.9	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						

New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   81
C U R R E N T   T I M E   I S   5.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

EL	TA	TB	MA	MB
1	1.37311E-10	-1.37311E-10	1.30955E-11	8.41438E-10
2	0.44688	-0.44688	-8.82321E-10	8.93760E-02
3	1.3406	-1.3406	-8.93760E-02	0.35750
4	2.6813	-2.6813	-0.35750	0.89376
5	4.4688	-4.4688	-0.89376	1.7875
6	6.7032	-6.7032	-1.7875	3.1282
7	9.3845	-9.3845	-3.1282	5.0051
8	12.513	-12.513	-5.0051	7.5076
9	16.088	-16.088	-7.5076	10.725
10	20.110	-20.110	-10.725	14.747
11	24.578	-24.578	-14.747	19.663
12	29.494	-29.494	-19.663	25.562
13	34.857	-34.857	-25.562	32.533
14	40.666	-40.666	-32.533	40.666
15	46.922	-46.922	-40.666	50.051
16	53.626	-53.626	-50.051	60.776
17	59.332	-59.332	-60.776	72.642
18	64.041	-64.041	-72.642	85.450
19	67.752	-67.752	-85.450	99.001
20	70.467	-70.467	-99.001	113.09
21	72.185	-72.185	-113.09	127.53
22	66.138	-66.138	-127.53	140.76
23	60.437	-60.437	-140.76	152.85
24	54.946	-54.946	-152.85	163.84
25	49.662	-49.662	-163.84	173.77
26	44.583	-44.583	-173.77	182.68
27	39.704	-39.704	-182.68	190.63
28	35.023	-35.023	-190.63	197.63
29	30.537	-30.537	-197.63	203.74
30	26.243	-26.243	-203.74	208.99
31	22.135	-22.135	-208.99	213.41
32	18.211	-18.211	-213.41	217.05
33	14.466	-14.466	-217.05	219.95
34	10.896	-10.896	-219.95	222.13
35	7.4982	-7.4982	-222.13	223.63
36	4.2671	-4.2671	-223.63	224.48
37	1.1990	-1.1990	-224.48	224.72
38	-1.7105	1.7105	-224.72	224.38
39	-4.4654	4.4654	-224.38	223.48
40	-7.0700	7.0700	-223.48	222.07
41	-9.5286	9.5286	-222.07	220.17
42	-11.845	11.845	-220.17	217.80
43	-14.024	14.024	-217.80	214.99
44	-16.069	16.069	-214.99	211.78
45	-17.984	17.984	-211.78	208.18
46	-19.773	19.773	-208.18	204.23
47	-21.440	21.440	-204.23	199.94
48	-22.989	22.989	-199.94	195.34
49	-24.423	24.423	-195.34	190.46
50	-25.746	25.746	-190.46	185.31
51	-26.961	26.961	-185.31	179.91
52	-28.072	28.072	-179.91	174.30
53	-29.082	29.082	-174.30	168.48
54	-29.994	29.994	-168.48	162.49
55	-30.810	30.810	-162.49	156.32
56	-31.535	31.535	-156.32	150.02
57	-32.170	32.170	-150.02	143.58
58	-32.719	32.719	-143.58	137.04
59	-33.183	33.183	-137.04	130.40
60	-33.446	33.446	-130.40	123.71
61	-33.478	33.478	-123.71	117.02
62	-33.287	33.287	-117.02	110.36
63	-32.879	32.879	-110.36	103.78
64	-32.258	32.258	-103.78	97.332
65	-31.432	31.432	-97.332	91.046
66	-30.403	30.403	-91.046	84.965
67	-29.177	29.177	-84.965	79.130
68	-27.759	27.759	-79.130	73.578
69	-30.121	30.121	-73.578	67.554
70	-32.073	32.073	-67.554	61.139

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   71 -33.624      33.624     -61.139      54.414
   72 -34.779      34.779     -54.414      47.459
   73 -35.546      35.546     -47.459      40.349
   74 -35.929      35.929     -40.349      33.164
   75 -35.321      35.321     -33.164      26.099
   76 -33.730      33.730     -26.099      19.353
   77 -30.833      30.833     -19.353      13.187
   78 -26.548      26.548     -13.187      7.8773
   79 -20.802      20.802     -7.8773      3.7168
   80 -13.603      13.603     -3.7168     0.99631
   81 -4.9813      4.9813    -0.99631     7.60715E-12

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2593E+06 RIMNOR=0.3189E+07
           RENORM= 1591.     REMNOR=0.9957E-18 RATIO =0.7834E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 72.18     RMMAX = 224.7
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2593E+06 RDR   =0.3189E+07
           RATIOT=0.7834E-01 RATIOR= 0.000
           MAX UN= 14.51     IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           MIN UN=-.2631E-09 IEQ=    20 NODE     10 DOF   2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2593E+06 RIMNOR=0.3189E+07
           RENORM= 1049.     REMNOR=0.4226E-16 RATIO =0.6361E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 72.18     RMMAX = 224.7
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2593E+06 RDR   =0.3189E+07
           RATIOT=0.6361E-01 RATIOR= 0.000
           MAX UN= 13.26     IEQ=    59 NODE     30 DOF   1  Y-DISPL.F
           MIN UN=-3.780     IEQ=   161 NODE     81 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2593E+06 RIMNOR=0.3189E+07
           RENORM= 842.0     REMNOR=0.2183E-15 RATIO =0.5698E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 72.18     RMMAX = 224.7
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2593E+06 RDR   =0.3189E+07
           RATIOT=0.5698E-01 RATIOR= 0.000
           MAX UN= 8.189     IEQ=    73 NODE     37 DOF   1  Y-DISPL.F
           MIN UN=-19.20     IEQ=   161 NODE     81 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2593E+06 RIMNOR=0.3189E+07
           RENORM= 103.6     REMNOR=0.1220E-15 RATIO =0.1998E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 72.18     RMMAX = 224.7
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2593E+06 RDR   =0.3189E+07
           RATIOT=0.1998E-01 RATIOR= 0.000
           MAX UN= 5.729     IEQ=   149 NODE     75 DOF   1  Y-DISPL.F
           MIN UN=-5.616     IEQ=   153 NODE     77 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2593E+06 RIMNOR=0.3189E+07
           RENORM= 1.974     REMNOR=0.1008E-15 RATIO =0.2759E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 72.18     RMMAX = 224.7
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2593E+06 RDR   =0.3189E+07
           RATIOT=0.2759E-02 RATIOR= 0.000
           MAX UN= 1.101     IEQ=   145 NODE     73 DOF   1  Y-DISPL.F
           MIN UN=-.6248     IEQ=   147 NODE     74 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2593E+06 RIMNOR=0.3189E+07
           RENORM=0.2217E-13 REMNOR=0.1012E-15 RATIO =0.2924E-09 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 72.18     RMMAX = 224.7
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2593E+06 RDR   =0.3189E+07
           RATIOT=0.2924E-09 RATIOR= 0.000
           MAX UN=0.4648E-07 IEQ=    57 NODE     29 DOF   1  Y-DISPL.F
           MIN UN=-.5583E-07 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :28 January 2022   10:29:48                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     6 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    6     ( AT TIME   6.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
    1   3.6049385E-02  -2.8040581E-03
    2   3.5488574E-02  -2.8040581E-03
    3   3.4927762E-02  -2.8040562E-03
    4   3.4366952E-02  -2.8040471E-03
    5   3.3806145E-02  -2.8040214E-03
    6   3.3249338E-02  -2.8039664E-03
    7   3.2693501E-02  -2.8038656E-03
    8   3.2137753E-02  -2.8036987E-03
    9   3.1582088E-02  -2.8034420E-03
   10   3.1026514E-02  -2.8030680E-03
   11   3.0480485E-02  -2.8025455E-03
   12   2.9935536E-02  -2.8018396E-03
   13   2.9390762E-02  -2.8009119E-03
   14   2.8846209E-02  -2.7997202E-03
   15   2.8301931E-02  -2.7982186E-03
   16   2.7757994E-02  -2.7963577E-03
   17   2.7214474E-02  -2.7940842E-03
   18   2.6671457E-02  -2.7913414E-03
   19   2.6129046E-02  -2.7880687E-03
   20   2.5587354E-02  -2.7842020E-03
   21   2.5046499E-02  -2.7796735E-03
   22   2.4308397E-02  -2.7744115E-03
   23   2.3762902E-02  -2.7683477E-03
   24   2.3221345E-02  -2.7614165E-03
   25   2.2681269E-02  -2.7535481E-03
   26   2.2142864E-02  -2.7446689E-03
   27   2.1606340E-02  -2.7347284E-03
   28   2.1071912E-02  -2.7237071E-03
   29   2.0539797E-02  -2.7115949E-03
   30   2.0010217E-02  -2.6983886E-03
   31   1.9483385E-02  -2.6840907E-03
   32   1.8959521E-02  -2.6687094E-03
   33   1.8438840E-02  -2.6522585E-03
   34   1.7921555E-02  -2.6347575E-03
   35   1.7407873E-02  -2.6162314E-03
   36   1.6897998E-02  -2.5967112E-03
   37   1.6392122E-02  -2.5762331E-03
   38   1.5890434E-02  -2.5548393E-03
   39   1.5393112E-02  -2.5325776E-03
   40   1.4900324E-02  -2.5095013E-03
   41   1.4412229E-02  -2.4856696E-03
   42   1.3928970E-02  -2.4611471E-03
   43   1.3450681E-02  -2.4360044E-03
   44   1.2977474E-02  -2.4103171E-03
   45   1.2509452E-02  -2.3841673E-03
   46   1.2046699E-02  -2.3576421E-03
   47   1.1589281E-02  -2.3308347E-03
   48   1.1137247E-02  -2.3038437E-03
   49   1.0690619E-02  -2.2767702E-03
   50   1.0249394E-02  -2.2497123E-03
   51   9.8136044E-03  -2.2227659E-03
   52   9.3831638E-03  -2.1960159E-03
   53   8.9580464E-03  -2.1695469E-03
   54   8.5381882E-03  -2.1434372E-03
   55   8.1235099E-03  -2.1177601E-03
   56   7.7139179E-03  -2.0925843E-03
   57   7.3093056E-03  -2.0679734E-03
   58   6.9095541E-03  -2.0439865E-03
   59   6.5145329E-03  -2.0206781E-03
   60   6.1241014E-03  -1.9980980E-03
   61   5.7381092E-03  -1.9762914E-03
   62   5.3563976E-03  -1.9552992E-03
   63   4.9787999E-03  -1.9351578E-03
   64   4.6051427E-03  -1.9158991E-03
   65   4.2352467E-03  -1.8975508E-03
   66   3.8689272E-03  -1.8801364E-03
   67   3.5059957E-03  -1.8636749E-03
   68   3.1462598E-03  -1.8481813E-03
   69   2.2864322E-03  -1.8336663E-03
   70   1.9225816E-03  -1.8202078E-03
   71   1.5613057E-03  -1.8079391E-03
   72   1.2023555E-03  -1.7969668E-03
   73   8.4546329E-04  -1.7873711E-03
   74   4.9034782E-04  -1.7792058E-03
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75   1.3672024E-04  -1.7724927E-03
76  -2.1570836E-04  -1.7672072E-03
77  -5.6721591E-04  -1.7632621E-03
78  -9.1805678E-04  -1.7605124E-03
79  -1.2684523E-03  -1.7587757E-03
80  -1.6185844E-03  -1.7578409E-03
81  -1.9685900E-03  -1.7574688E-03
82  -2.3217381E-03  -1.7573916E-03
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:48                                               |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      6.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL         ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -3.6049E-02   0.000       0.000       6.080       3.040          ACTIVE   0.000     -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.4469     -3.5489E-02   3.800       2.234       9.880       4.940          ACTIVE   0.000     -0.5200       0.000
1.000       1.000       2.234       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D  0.8938     -3.4928E-02   7.600       4.469       13.68       6.840          ACTIVE   0.000     -0.7200       0.000
1.000       1.000       4.469       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.341     -3.4367E-02   11.40       6.703       17.48       8.740          ACTIVE   0.000     -0.9200       0.000
1.000       1.000       6.703       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.788     -3.3806E-02   15.20       8.938       21.28       10.64          ACTIVE   0.000      -1.120       0.000
1.000       1.000       8.938       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   2.234     -3.3249E-02   19.00       11.17       25.08       12.54          ACTIVE   0.000      -1.320       0.000
1.000       1.000       11.17       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.681     -3.2694E-02   22.80       13.41       28.88       14.44          ACTIVE   0.000      -1.520       0.000
1.000       1.000       13.41       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   3.128     -3.2138E-02   26.60       15.64       32.68       16.34          ACTIVE   0.000      -1.720       0.000
1.000       1.000       15.64       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.575     -3.1582E-02   30.40       17.88       36.48       18.24          ACTIVE   0.000      -1.920       0.000
1.000       1.000       17.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   4.022     -3.1027E-02   34.20       20.11       40.28       20.14          ACTIVE   0.000      -2.120       0.000
1.000       1.000       20.11       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   4.469     -3.0480E-02   38.00       22.34       44.08       22.34          ACTIVE   0.000      -2.320       0.000
1.000       1.000       22.34       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.916     -2.9936E-02   41.80       24.58       47.88       24.58          ACTIVE   0.000      -2.520       0.000
1.000       1.000       24.58       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   5.363     -2.9391E-02   45.60       26.81       51.68       26.81          ACTIVE   0.000      -2.720       0.000
1.000       1.000       26.81       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.809     -2.8846E-02   49.40       29.05       55.48       29.05          ACTIVE   0.000      -2.920       0.000
1.000       1.000       29.05       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   6.256     -2.8302E-02   53.20       31.28       59.28       31.28          ACTIVE   0.000      -3.120       0.000
1.000       1.000       31.28       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   6.703     -2.7758E-02   57.00       33.52       63.08       33.52          ACTIVE   0.000      -3.320       0.000
1.000       1.000       33.52       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   7.150     -2.7214E-02   60.80       35.75       66.88       35.75          ACTIVE   0.000      -3.520       0.000
1.000       1.000       35.75       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   7.597     -2.6671E-02   64.60       37.98       70.68       37.98          ACTIVE   0.000      -3.720       0.000
1.000       1.000       37.98       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   8.044     -2.6129E-02   68.40       40.22       74.48       40.22          ACTIVE   0.000      -3.920       0.000
1.000       1.000       40.22       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   8.491     -2.5587E-02   72.20       42.45       78.28       42.45          ACTIVE   0.000      -4.120       0.000
1.000       1.000       42.45       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   8.938     -2.5046E-02   76.00       44.69       82.08       44.69          ACTIVE   0.000      -4.320       0.000
1.000       1.000       44.69       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   7.752     -2.4308E-02   79.80       38.76       84.10       42.05          ACTIVE   0.000      -4.520       0.000
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1.000       1.000       38.76       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   8.244     -2.3763E-02   83.60       41.22       85.93       42.97         ACTIVE   0.000      -4.720       0.000
1.000       1.000       41.22       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   8.736     -2.3221E-02   87.40       43.68       87.76       43.88         ACTIVE   0.000      -4.920       0.000
1.000       1.000       43.68       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   9.227     -2.2681E-02   91.20       46.14       91.20       46.14         ACTIVE   0.000      -5.120       0.000
1.000       1.000       46.14       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   9.774     -2.2143E-02   94.21       48.09       94.21       48.09         ACTIVE   0.000      -5.320       0.7855
1.000       1.000       48.87       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   10.41     -2.1606E-02   96.05       49.27       96.05       49.27         ACTIVE   0.000      -5.520       2.752
1.000       1.000       52.03       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   11.04     -2.1072E-02   97.88       50.46       97.88       50.46         ACTIVE   0.000      -5.720       4.718
1.000       1.000       55.18       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   11.67     -2.0540E-02   99.72       51.65       99.72       51.65         ACTIVE   0.000      -5.920       6.684
1.000       1.000       58.33       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   12.30     -2.0010E-02   101.5       52.83       101.5       52.83         ACTIVE   0.000      -6.120       8.650
1.000       1.000       61.48       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   12.93     -1.9483E-02   103.4       54.02       103.4       54.02         ACTIVE   0.000      -6.320       10.62
1.000       1.000       64.64       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   13.56     -1.8960E-02   105.2       55.21       105.2       55.21         ACTIVE   0.000      -6.520       12.58
1.000       1.000       67.79       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   14.19     -1.8439E-02   107.1       56.39       107.1       56.39         ACTIVE   0.000      -6.720       14.55
1.000       1.000       70.94       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   14.82     -1.7922E-02   108.9       57.58       108.9       57.58         ACTIVE   0.000      -6.920       16.52
1.000       1.000       74.09       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   15.45     -1.7408E-02   110.7       58.76       110.7       58.76         ACTIVE   0.000      -7.120       18.48
1.000       1.000       77.25       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   16.08     -1.6898E-02   112.6       59.95       112.6       59.95         ACTIVE   0.000      -7.320       20.45
1.000       1.000       80.40       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   16.71     -1.6392E-02   114.4       61.14       114.4       61.14         ACTIVE   0.000      -7.520       22.41
1.000       1.000       83.55       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   17.34     -1.5890E-02   116.2       62.32       116.2       62.32         ACTIVE   0.000      -7.720       24.38
1.000       1.000       86.70       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   17.97     -1.5393E-02   118.1       63.51       118.1       63.51         ACTIVE   0.000      -7.920       26.35
1.000       1.000       89.86       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   18.60     -1.4900E-02   119.9       64.70       119.9       64.70         ACTIVE   0.000      -8.120       28.31
1.000       1.000       93.01       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   19.23     -1.4412E-02   121.7       65.88       121.7       65.88         ACTIVE   0.000      -8.320       30.28
1.000       1.000       96.16       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   19.86     -1.3929E-02   123.6       67.07       123.6       67.07         ACTIVE   0.000      -8.520       32.25
1.000       1.000       99.32       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   20.49     -1.3451E-02   125.4       68.26       125.4       68.26         ACTIVE   0.000      -8.720       34.21
1.000       1.000       102.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   21.12     -1.2977E-02   127.2       69.44       127.2       69.44         ACTIVE   0.000      -8.920       36.18
1.000       1.000       105.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   21.75     -1.2509E-02   129.1       70.63       129.1       70.63         ACTIVE   0.000      -9.120       38.14
1.000       1.000       108.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   22.39     -1.2047E-02   130.9       71.82       130.9       71.82         ACTIVE   0.000      -9.320       40.11
1.000       1.000       111.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   23.02     -1.1589E-02   132.7       73.00       132.7       73.00         ACTIVE   0.000      -9.520       42.08
1.000       1.000       115.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   23.65     -1.1137E-02   134.6       74.19       134.6       74.19         ACTIVE   0.000      -9.720       44.04
1.000       1.000       118.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   24.28     -1.0691E-02   136.4       75.38       136.4       75.38         ACTIVE   0.000      -9.920       46.01
1.000       1.000       121.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   24.91     -1.0249E-02   138.2       76.56       138.2       76.56         ACTIVE   0.000      -10.12       47.98
1.000       1.000       124.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   25.54     -9.8136E-03   140.1       77.75       140.1       77.75         ACTIVE   0.000      -10.32       49.94
1.000       1.000       127.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   26.17     -9.3832E-03   141.9       78.93       141.9       78.93         ACTIVE   0.000      -10.52       51.91
1.000       1.000       130.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   26.80     -8.9580E-03   143.7       80.12       143.7       80.12          ACTIVE   0.000      -10.72       53.87
1.000       1.000       134.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   27.43     -8.5382E-03   145.6       81.31       145.6       81.31          ACTIVE   0.000      -10.92       55.84
1.000       1.000       137.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   28.06     -8.1235E-03   147.4       82.49       147.4       82.49          ACTIVE   0.000      -11.12       57.81
1.000       1.000       140.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   28.69     -7.7139E-03   149.2       83.68       149.2       83.68          ACTIVE   0.000      -11.32       59.77
1.000       1.000       143.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   29.32     -7.3093E-03   151.1       84.87       151.1       84.87          ACTIVE   0.000      -11.52       61.74
1.000       1.000       146.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   29.95     -6.9096E-03   152.9       86.05       152.9       86.05          ACTIVE   0.000      -11.72       63.70
1.000       1.000       149.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   30.58     -6.5145E-03   154.7       87.24       154.7       87.24          ACTIVE   0.000      -11.92       65.67
1.000       1.000       152.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   31.21     -6.1241E-03   156.6       88.43       156.6       88.43          ACTIVE   0.000      -12.12       67.64
1.000       1.000       156.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   31.84     -5.7381E-03   158.4       89.61       158.4       89.61          ACTIVE   0.000      -12.32       69.60
1.000       1.000       159.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   32.47     -5.3564E-03   160.2       90.80       160.2       90.80          ACTIVE   0.000      -12.52       71.57
1.000       1.000       162.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   33.10     -4.9788E-03   162.1       91.99       162.1       91.99          ACTIVE   0.000      -12.72       73.54
1.000       1.000       165.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   33.73     -4.6051E-03   163.9       93.17       163.9       93.17          ACTIVE   0.000      -12.92       75.50
1.000       1.000       168.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   34.37     -4.2352E-03   165.7       94.36       165.7       94.36          ACTIVE   0.000      -13.12       77.47
1.000       1.000       171.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   35.00     -3.8689E-03   167.6       95.54       167.6       95.54          ACTIVE   0.000      -13.32       79.43
1.000       1.000       175.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   35.63     -3.5060E-03   169.4       96.73       169.4       96.73          ACTIVE   0.000      -13.52       81.40
1.000       1.000       178.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   36.26     -3.1463E-03   171.2       97.92       171.2       97.92          ACTIVE   0.000      -13.72       83.37
1.000       1.000       181.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   35.98     -2.2864E-03   173.1       94.55       173.1       94.55          ACTIVE   0.000      -13.92       85.33
1.000       1.000       179.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   36.62     -1.9226E-03   175.1       95.81       175.1       95.81          ACTIVE   0.000      -14.12       87.30
1.000       1.000       183.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   37.27     -1.5613E-03   177.2       97.07       177.2       97.07          ACTIVE   0.000      -14.32       89.27
1.000       1.000       186.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   37.91     -1.2024E-03   179.2       98.33       179.2       98.33          ACTIVE   0.000      -14.52       91.23
1.000       1.000       189.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   38.56     -8.4546E-04   181.2       99.59       181.2       100.1          ACTIVE   0.000      -14.72       93.20
1.000       1.000       192.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   39.27     -4.9035E-04   183.3       101.2       183.3       106.1           UL-RL  1.3608E+05  -14.92       95.16
1.000       1.000       196.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   41.41     -1.3672E-04   185.3       109.9       185.3       112.1           UL-RL  1.3608E+05  -15.12       97.13
1.000       1.000       207.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   43.48      2.1571E-04   187.3       118.3       187.3       118.3            V-C  4.5360E+04  -15.32       99.10
1.000       1.000       217.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   46.76      5.6722E-04   189.4       132.7       189.4       132.7            V-C  4.5360E+04  -15.52       101.1
1.000       1.000       233.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   50.75      9.1806E-04   191.4       150.7       191.4       150.7            V-C  4.5360E+04  -15.72       103.0
1.000       1.000       253.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   54.83      1.2685E-03   193.4       169.1       193.4       169.1            V-C  4.5360E+04  -15.92       105.0
1.000       1.000       274.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   58.86      1.6186E-03   195.5       187.3       195.5       187.3            V-C  4.5360E+04  -16.12       107.0
1.000       1.000       294.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   62.81      1.9686E-03   197.5       205.1       197.5       205.1            V-C  4.5360E+04  -16.32       108.9
1.000       1.000       314.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   33.34      2.3217E-03   199.5       222.6       199.5       222.6            V-C  4.5360E+04  -16.52       110.9
1.000       1.000       333.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:48                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      6.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1     0.000         --          --          --          --          --         REMOVED     --      -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --         REMOVED     --      -0.5200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --         REMOVED     --      -0.7200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --         REMOVED     --      -0.9200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --         REMOVED     --       -1.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --         REMOVED     --       -1.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --         REMOVED     --       -1.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --         REMOVED     --       -1.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --         REMOVED     --       -1.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --         REMOVED     --       -2.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --         REMOVED     --       -2.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --         REMOVED     --       -2.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --         REMOVED     --       -2.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --         REMOVED     --       -2.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --         REMOVED     --       -3.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --         REMOVED     --       -3.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --         REMOVED     --       -3.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --         REMOVED     --       -3.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --         REMOVED     --       -3.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --         REMOVED     --       -4.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --         REMOVED     --       -4.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --         REMOVED     --       -4.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --         REMOVED     --       -4.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  24     0.000         --          --          --          --          --         REMOVED     --       -4.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  25     0.000         --          --          --          --          --         REMOVED     --       -5.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  26 D   6.717      2.2143E-02   3.040       33.58       94.32       70.65        PASSIVE   0.000      -5.320       0.000
1.000       1.000       33.58       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   8.681      2.1606E-02   6.840       43.41       96.10       70.77        PASSIVE   0.000      -5.520       0.000
1.000       1.000       43.41       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   10.31      2.1072E-02   9.568       50.46       97.87       70.91        PASSIVE   0.000      -5.720       1.072
1.000       1.000       51.53       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   11.63      2.0540E-02   11.33       55.02       99.64       71.07        PASSIVE   0.000      -5.920       3.105
1.000       1.000       58.13       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   12.95      2.0010E-02   13.10       59.59       101.4       71.24        PASSIVE   0.000      -6.120       5.139
1.000       1.000       64.73       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
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0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   14.27      1.9483E-02   14.87       64.16       103.2       71.44        PASSIVE   0.000      -6.320       7.173
1.000       1.000       71.33       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   15.59      1.8960E-02   16.63       68.72       105.0       71.65        PASSIVE   0.000      -6.520       9.207
1.000       1.000       77.93       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   16.91      1.8439E-02   18.40       73.29       106.7       73.29        PASSIVE   0.000      -6.720       11.24
1.000       1.000       84.53       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   18.23      1.7922E-02   20.17       77.85       108.5       77.85        PASSIVE   0.000      -6.920       13.27
1.000       1.000       91.13       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   19.55      1.7408E-02   21.93       82.42       110.3       82.42        PASSIVE   0.000      -7.120       15.31
1.000       1.000       97.73       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   20.87      1.6898E-02   23.70       86.98       112.1       86.98        PASSIVE   0.000      -7.320       17.34
1.000       1.000       104.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   22.19      1.6392E-02   25.46       91.55       113.8       91.55        PASSIVE   0.000      -7.520       19.38
1.000       1.000       110.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   23.51      1.5890E-02   27.23       96.12       115.6       96.12        PASSIVE   0.000      -7.720       21.41
1.000       1.000       117.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   24.82      1.5393E-02   29.00       100.7       117.4       100.7        PASSIVE   0.000      -7.920       23.44
1.000       1.000       124.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   26.14      1.4900E-02   30.76       105.2       119.2       105.2        PASSIVE   0.000      -8.120       25.48
1.000       1.000       130.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   27.46      1.4412E-02   32.53       109.8       120.9       109.8        PASSIVE   0.000      -8.320       27.51
1.000       1.000       137.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   28.78      1.3929E-02   34.30       114.4       122.7       114.4        PASSIVE   0.000      -8.520       29.54
1.000       1.000       143.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   30.10      1.3451E-02   36.06       118.9       124.5       118.9        PASSIVE   0.000      -8.720       31.58
1.000       1.000       150.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   31.42      1.2977E-02   37.83       123.5       126.3       123.5        PASSIVE   0.000      -8.920       33.61
1.000       1.000       157.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   32.74      1.2509E-02   39.59       128.1       128.0       128.1        PASSIVE   0.000      -9.120       35.65
1.000       1.000       163.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   34.06      1.2047E-02   41.36       132.6       129.8       132.6        PASSIVE   0.000      -9.320       37.68
1.000       1.000       170.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   35.38      1.1589E-02   43.13       137.2       131.6       137.2        PASSIVE   0.000      -9.520       39.71
1.000       1.000       176.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   35.97      1.1137E-02   44.89       138.1       133.3       138.1             V-C   6455.      -9.720       41.75
1.000       1.000       179.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   35.97      1.0691E-02   46.66       136.0       135.1       136.0             V-C   6455.      -9.920       43.78
1.000       1.000       179.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   35.97      1.0249E-02   48.43       134.0       136.9       134.0             V-C   6455.      -10.12       45.81
1.000       1.000       179.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   35.99      9.8136E-03   50.19       132.1       138.7       132.1             V-C   6455.      -10.32       47.85
1.000       1.000       179.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   36.01      9.3832E-03   51.96       130.2       140.4       130.2             V-C   6455.      -10.52       49.88
1.000       1.000       180.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  53 D   36.04      8.9580E-03   53.72       128.3       142.2       128.3             V-C   6455.      -10.72       51.92
1.000       1.000       180.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   36.08      8.5382E-03   55.49       126.4       144.0       126.4             V-C   6455.      -10.92       53.95
1.000       1.000       180.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   36.12      8.1235E-03   57.26       124.6       145.8       124.6             V-C   6455.      -11.12       55.98
1.000       1.000       180.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   36.17      7.7139E-03   59.02       122.9       147.5       122.9             V-C   6455.      -11.32       58.02
1.000       1.000       180.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   36.23      7.3093E-03   60.79       121.1       149.3       121.1             V-C   6455.      -11.52       60.05
1.000       1.000       181.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   36.30      6.9096E-03   62.56       119.4       151.1       119.4             V-C   6455.      -11.72       62.08
1.000       1.000       181.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   36.38      6.5145E-03   64.32       117.8       152.9       117.8             V-C   6455.      -11.92       64.12
1.000       1.000       181.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   36.46      6.1241E-03   66.09       116.1       154.6       116.1             V-C   6455.      -12.12       66.15
1.000       1.000       182.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   36.55      5.7381E-03   67.85       114.5       156.4       114.5             V-C   6455.      -12.32       68.19
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1.000       1.000       182.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   36.64      5.3564E-03   69.62       113.0       158.2       113.0            V-C   6455.      -12.52       70.22
1.000       1.000       183.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   36.74      4.9788E-03   71.39       111.4       160.0       111.4            V-C   6455.      -12.72       72.25
1.000       1.000       183.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   36.84      4.6051E-03   73.15       109.9       161.7       109.9            V-C   6455.      -12.92       74.29
1.000       1.000       184.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   36.96      4.2352E-03   74.92       108.5       163.5       108.5            V-C   6455.      -13.12       76.32
1.000       1.000       184.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   37.07      3.8689E-03   76.69       107.0       165.3       107.0            V-C   6455.      -13.32       78.35
1.000       1.000       185.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   37.19      3.5060E-03   78.45       105.6       167.1       105.6            V-C   6455.      -13.52       80.39
1.000       1.000       186.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   37.32      3.1463E-03   80.22       104.2       168.8       104.2            V-C   6455.      -13.72       82.42
1.000       1.000       186.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   53.86      2.2864E-03   82.00       184.9       170.6       184.9            V-C  4.2350E+04  -13.92       84.46
1.000       1.000       269.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   51.24      1.9226E-03   83.97       169.7       172.6       169.7            V-C  4.2350E+04  -14.12       86.49
1.000       1.000       256.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   48.65      1.5613E-03   85.94       154.7       174.6       154.7            V-C  4.2350E+04  -14.32       88.52
1.000       1.000       243.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   46.07      1.2024E-03   87.90       139.8       176.5       139.8            V-C  4.2350E+04  -14.52       90.56
1.000       1.000       230.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   43.52      8.4546E-04   89.87       125.0       178.5       125.0            V-C  4.2350E+04  -14.72       92.59
1.000       1.000       217.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   39.64      4.9035E-04   91.84       103.6       180.5       113.6           UL-RL  1.2705E+05  -14.92       94.62
1.000       1.000       198.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   35.00      1.3672E-04   93.80       78.33       182.5       104.3           UL-RL  1.2705E+05  -15.12       96.66
1.000       1.000       175.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   28.67     -2.1571E-04   95.77       44.64       184.4       99.24            UL-RL  1.2705E+05  -15.32       98.69
1.000       1.000       143.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   26.23     -5.6722E-04   97.73       30.42       186.4       100.1             ACTIVE   0.000      -15.52       100.7
1.000       1.000       131.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   26.80     -9.1806E-04   99.70       31.24       188.4       101.1             ACTIVE   0.000      -15.72       102.8
1.000       1.000       134.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   27.37     -1.2685E-03   101.7       32.06       190.4       102.2             ACTIVE   0.000      -15.92       104.8
1.000       1.000       136.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   27.94     -1.6186E-03   103.6       32.88       192.3       103.4             ACTIVE   0.000      -16.12       106.8
1.000       1.000       139.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   28.51     -1.9686E-03   105.6       33.70       194.3       104.6             ACTIVE   0.000      -16.32       108.9
1.000       1.000       142.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   14.54     -2.3217E-03   107.6       34.52       196.3       105.1             ACTIVE   0.000      -16.52       110.9
1.000       1.000       145.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
```

New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   81
C U R R E N T   T I M E   I S   6.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

EL	TA	TB	MA	MB
1	2.96568E-08	-2.96568E-08	2.97805E-09	2.76957E-09
2	0.44688	-0.44688	-1.15966E-09	8.93760E-02
3	1.3406	-1.3406	-8.93760E-02	0.35750
4	2.6813	-2.6813	-0.35750	0.89376
5	4.4688	-4.4688	-0.89376	1.7875
6	6.7032	-6.7032	-1.7875	3.1282
7	9.3845	-9.3845	-3.1282	5.0051
8	12.513	-12.513	-5.0051	7.5076
9	16.088	-16.088	-7.5076	10.725
10	20.110	-20.110	-10.725	14.747
11	24.578	-24.578	-14.747	19.663
12	29.494	-29.494	-19.663	25.562
13	34.857	-34.857	-25.562	32.533
14	40.666	-40.666	-32.533	40.666
15	46.922	-46.922	-40.666	50.051
16	53.626	-53.626	-50.051	60.776
17	60.776	-60.776	-60.776	72.931
18	68.373	-68.373	-72.931	86.605
19	76.416	-76.416	-86.605	101.89
20	84.907	-84.907	-101.89	118.87
21	93.845	-93.845	-118.87	137.64
22	101.60	-101.60	-137.64	157.96
23	109.84	-109.84	-157.96	179.93
24	118.58	-118.58	-179.93	203.64
25	127.80	-127.80	-203.64	229.20
26	130.86	-130.86	-229.20	255.37
27	132.59	-132.59	-255.37	281.89
28	133.31	-133.31	-281.89	308.55
29	133.35	-133.35	-308.55	335.23
30	132.71	-132.71	-335.23	361.77
31	131.37	-131.37	-361.77	388.04
32	129.34	-129.34	-388.04	413.91
33	126.62	-126.62	-413.91	439.23
34	123.22	-123.22	-439.23	463.88
35	119.12	-119.12	-463.88	487.70
36	114.33	-114.33	-487.70	510.57
37	108.86	-108.86	-510.57	532.34
38	102.69	-102.69	-532.34	552.88
39	95.841	-95.841	-552.88	572.04
40	88.298	-88.298	-572.04	589.70
41	80.066	-80.066	-589.70	605.72
42	71.144	-71.144	-605.72	619.95
43	61.533	-61.533	-619.95	632.25
44	51.233	-51.233	-632.25	642.50
45	40.243	-40.243	-642.50	650.55
46	28.564	-28.564	-650.55	656.26
47	16.196	-16.196	-656.26	659.50
48	3.8741	-3.8741	-659.50	660.28
49	-7.8149	7.8149	-660.28	658.71
50	-18.879	18.879	-658.71	654.94
51	-29.327	29.327	-654.94	649.07
52	-39.166	39.166	-649.07	641.24
53	-48.404	48.404	-641.24	631.56
54	-57.050	57.050	-631.56	620.15
55	-65.111	65.111	-620.15	607.12
56	-72.594	72.594	-607.12	592.61
57	-79.507	79.507	-592.61	576.70
58	-85.858	85.858	-576.70	559.53
59	-91.652	91.652	-559.53	541.20
60	-96.897	96.897	-541.20	521.82
61	-101.60	101.60	-521.82	501.50
62	-105.76	105.76	-501.50	480.35
63	-109.40	109.40	-480.35	458.47
64	-112.51	112.51	-458.47	435.97
65	-115.10	115.10	-435.97	412.95
66	-117.17	117.17	-412.95	389.51
67	-118.74	118.74	-389.51	365.77
68	-119.80	119.80	-365.77	341.81
69	-137.69	137.69	-341.81	314.27
70	-152.31	152.31	-314.27	283.81

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   71 -163.69      163.69     -283.81      251.07
   72 -171.85      171.85     -251.07      216.70
   73 -176.80      176.80     -216.70      181.34
   74 -177.17      177.17     -181.34      145.91
   75 -170.76      170.76     -145.91      111.75
   76 -155.95      155.95     -111.75      80.563
   77 -135.42      135.42     -80.563      53.479
   78 -111.47      111.47     -53.479      31.184
   79 -84.016      84.016     -31.184      14.381
   80 -53.103      53.103     -14.381      3.7608
   81 -18.803      18.803     -3.7608     8.95754E-11

ITER     0 RNORM = 24.33     RMNORM= 0.000
           RINORM=0.1591E+07 RIMNOR=0.2543E+08
           RENORM= 206.8     REMNOR=0.1012E-15 RATIO =0.1140E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 177.2     RMMAX = 660.3
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1591E+07 RDR   =0.2543E+08
           RATIOT=0.1140E-01 RATIOR= 0.000
           MAX UN= 4.351     IEQ=    93 NODE     47 DOF   1  Y-DISPL.F
           MIN UN=-.8926E-08 IEQ=   109 NODE     55 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 24.33     RMNORM= 0.000
           RINORM=0.1591E+07 RIMNOR=0.2543E+08
           RENORM= 6470.     REMNOR=0.1121E-14 RATIO =0.6377E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 177.2     RMMAX = 660.3
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1591E+07 RDR   =0.2543E+08
           RATIOT=0.6377E-01 RATIOR= 0.000
           MAX UN= 34.26     IEQ=   147 NODE     74 DOF   1  Y-DISPL.F
           MIN UN=-41.63     IEQ=   161 NODE     81 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 24.33     RMNORM= 0.000
           RINORM=0.1591E+07 RIMNOR=0.2543E+08
           RENORM= 786.5     REMNOR=0.2220E-14 RATIO =0.2223E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 177.2     RMMAX = 660.3
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1591E+07 RDR   =0.2543E+08
           RATIOT=0.2223E-01 RATIOR= 0.000
           MAX UN= 13.64     IEQ=   143 NODE     72 DOF   1  Y-DISPL.F
           MIN UN=-13.87     IEQ=   151 NODE     76 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 24.33     RMNORM= 0.000
           RINORM=0.1591E+07 RIMNOR=0.2543E+08
           RENORM= 1239.     REMNOR=0.7520E-14 RATIO =0.2790E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 177.2     RMMAX = 660.3
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1591E+07 RDR   =0.2543E+08
           RATIOT=0.2790E-01 RATIOR= 0.000
           MAX UN= 12.70     IEQ=   147 NODE     74 DOF   1  Y-DISPL.F
           MIN UN=-25.61     IEQ=   153 NODE     77 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 24.33     RMNORM= 0.000
           RINORM=0.1591E+07 RIMNOR=0.2543E+08
           RENORM= 615.9     REMNOR=0.6643E-14 RATIO =0.1967E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 177.2     RMMAX = 660.3
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1591E+07 RDR   =0.2543E+08
           RATIOT=0.1967E-01 RATIOR= 0.000
           MAX UN= 18.81     IEQ=   153 NODE     77 DOF   1  Y-DISPL.F
           MIN UN=-6.258     IEQ=   163 NODE     82 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 24.33     RMNORM= 0.000
           RINORM=0.1591E+07 RIMNOR=0.2543E+08
           RENORM= 1284.     REMNOR=0.6413E-14 RATIO =0.2841E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 177.2     RMMAX = 660.3
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1591E+07 RDR   =0.2543E+08
           RATIOT=0.2841E-01 RATIOR= 0.000
           MAX UN= 10.95     IEQ=   151 NODE     76 DOF   1  Y-DISPL.F
           MIN UN=-32.88     IEQ=   155 NODE     78 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     7 RNORM = 24.33     RMNORM= 0.000
           RINORM=0.1591E+07 RIMNOR=0.2543E+08
           RENORM= 105.3     REMNOR=0.5682E-14 RATIO =0.8133E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 177.2     RMMAX = 660.3
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1591E+07 RDR   =0.2543E+08
           RATIOT=0.8133E-02 RATIOR= 0.000
           MAX UN= 7.013     IEQ=   153 NODE     77 DOF   1  Y-DISPL.F
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           MIN UN=-3.249     IEQ=   157 NODE     79 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     8 RNORM = 24.33     RMNORM= 0.000
           RINORM=0.1591E+07 RIMNOR=0.2543E+08
           RENORM= 18.89     REMNOR=0.4626E-14 RATIO =0.3446E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 177.2     RMMAX = 660.3
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1591E+07 RDR   =0.2543E+08
           RATIOT=0.3446E-02 RATIOR= 0.000
           MAX UN= 4.347     IEQ=   149 NODE     75 DOF   1  Y-DISPL.F
           MIN UN=-.4569E-06 IEQ=    23 NODE     12 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     9 RNORM = 24.33     RMNORM= 0.000
           RINORM=0.1591E+07 RIMNOR=0.2543E+08
           RENORM= 12.87     REMNOR=0.4014E-14 RATIO =0.2844E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 177.2     RMMAX = 660.3
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1591E+07 RDR   =0.2543E+08
           RATIOT=0.2844E-02 RATIOR= 0.000
           MAX UN= 3.587     IEQ=   151 NODE     76 DOF   1  Y-DISPL.F
           MIN UN=-.3057E-06 IEQ=    37 NODE     19 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER    10 RNORM = 24.33     RMNORM= 0.000
           RINORM=0.1591E+07 RIMNOR=0.2543E+08
           RENORM=0.1386     REMNOR=0.4962E-14 RATIO =0.2952E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 177.2     RMMAX = 660.3
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1591E+07 RDR   =0.2543E+08
           RATIOT=0.2952E-03 RATIOR= 0.000
           MAX UN=0.3723     IEQ=   153 NODE     77 DOF   1  Y-DISPL.F
           MIN UN=-.5493E-06 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER    11 RNORM = 24.33     RMNORM= 0.000
           RINORM=0.1591E+07 RIMNOR=0.2543E+08
           RENORM=0.1714E-11 REMNOR=0.6008E-14 RATIO =0.1038E-08 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 177.2     RMMAX = 660.3
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1591E+07 RDR   =0.2543E+08
           RATIOT=0.1038E-08 RATIOR= 0.000
           MAX UN=0.5606E-06 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN=-.3660E-06 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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New Project
SOLUTION REACHED USING   11 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P   7   (AT TIME   7.000   ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

	Y-DISPL.F 02	X-ROT. F 04
1	0.3041713	-2.0504953E-02
2	0.3000703	-2.0504951E-02
3	0.2959693	-2.0504939E-02
4	0.2918683	-2.0504903E-02
5	0.2877674	-2.0504825E-02
6	0.2836704	-2.0504685E-02
7	0.2795744	-2.0504457E-02
8	0.2754786	-2.0504113E-02
9	0.2713829	-2.0503621E-02
10	0.2672873	-2.0502945E-02
11	0.2632013	-2.0502045E-02
12	0.2591165	-2.0500879E-02
13	0.2550320	-2.0499400E-02
14	0.2509478	-2.0497556E-02
15	0.2468640	-2.0495294E-02
16	0.2427808	-2.0492557E-02
17	0.2386981	-2.0489282E-02
18	0.2346161	-2.0485404E-02
19	0.2305350	-2.0480854E-02
20	0.2264549	-2.0475561E-02
21	0.2223760	-2.0469448E-02
22	0.2181001	-2.0462434E-02
23	0.2140172	-2.0454444E-02
24	0.2099386	-2.0445403E-02
25	0.2058620	-2.0435234E-02
26	0.2017875	-2.0423855E-02
27	0.1977154	-2.0411213E-02
28	0.1936460	-2.0397284E-02
29	0.1895794	-2.0382053E-02
30	0.1855161	-2.0365510E-02
31	0.1814562	-2.0347648E-02
32	0.1774000	-2.0328466E-02
33	0.1733478	-2.0307963E-02
34	0.1692998	-2.0286147E-02
35	0.1652563	-2.0263027E-02
36	0.1612175	-2.0238618E-02
37	0.1571838	-2.0212936E-02
38	0.1531553	-2.0186005E-02
39	0.1491323	-2.0157850E-02
40	0.1451151	-2.0128502E-02
41	0.1411039	-2.0097996E-02
42	0.1370989	-2.0066370E-02
43	0.1331003	-2.0033668E-02
44	0.1291083	-1.9999936E-02
45	0.1251233	-1.9965225E-02
46	0.1211452	-1.9929591E-02
47	0.1171743	-1.9893094E-02
48	0.1132109	-1.9855797E-02
49	0.1092550	-1.9817768E-02
50	0.1053066	-1.9779078E-02
51	0.1013663	-1.9739807E-02
52	9.7433771E-02	-1.9700030E-02
53	9.3509212E-02	-1.9659835E-02
54	8.9592726E-02	-1.9619310E-02
55	8.5684371E-02	-1.9578548E-02
56	8.1784183E-02	-1.9537645E-02
57	7.7892182E-02	-1.9496704E-02
58	7.4008365E-02	-1.9455829E-02
59	7.0132706E-02	-1.9415130E-02
60	6.6265160E-02	-1.9374721E-02
61	6.2405658E-02	-1.9334720E-02
62	5.8554104E-02	-1.9295250E-02
63	5.4710381E-02	-1.9256435E-02
64	5.0874345E-02	-1.9218407E-02
65	4.7045824E-02	-1.9181301E-02
66	4.3224621E-02	-1.9145255E-02
67	3.9410509E-02	-1.9110413E-02
68	3.5603233E-02	-1.9076921E-02
69	3.1299415E-02	-1.9044930E-02
70	2.7495008E-02	-1.9014612E-02
71	2.3696482E-02	-1.8986151E-02
72	1.9903446E-02	-1.8959743E-02
73	1.6115471E-02	-1.8935583E-02
74	1.2332086E-02	-1.8913876E-02

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75   8.5527792E-03  -1.8894830E-02
76   4.7769981E-03  -1.8878658E-02
77   1.0041458E-03  -1.8865580E-02
78  -2.7664165E-03  -1.8855784E-02
79  -6.5353511E-03  -1.8849281E-02
80  -1.0303287E-02  -1.8845697E-02
81  -1.4070737E-02  -1.8844270E-02
82  -1.7841389E-02  -1.8843983E-02
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:48                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      7.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
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-----------------------------------------------
   1 D   0.000     -0.3042       0.000       0.000       6.080       3.040          ACTIVE   0.000     -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.4469     -0.3001       3.800       2.234       9.880       4.940          ACTIVE   0.000     -0.5200       0.000
1.000       1.000       2.234       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D  0.8938     -0.2960       7.600       4.469       13.68       6.840          ACTIVE   0.000     -0.7200       0.000
1.000       1.000       4.469       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.341     -0.2919       11.40       6.703       17.48       8.740          ACTIVE   0.000     -0.9200       0.000
1.000       1.000       6.703       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.788     -0.2878       15.20       8.938       21.28       10.64          ACTIVE   0.000      -1.120       0.000
1.000       1.000       8.938       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   2.234     -0.2837       19.00       11.17       25.08       12.54          ACTIVE   0.000      -1.320       0.000
1.000       1.000       11.17       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.681     -0.2796       22.80       13.41       28.88       14.44          ACTIVE   0.000      -1.520       0.000
1.000       1.000       13.41       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   3.128     -0.2755       26.60       15.64       32.68       16.34          ACTIVE   0.000      -1.720       0.000
1.000       1.000       15.64       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.575     -0.2714       30.40       17.88       36.48       18.24          ACTIVE   0.000      -1.920       0.000
1.000       1.000       17.88       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   4.022     -0.2673       34.20       20.11       40.28       20.14          ACTIVE   0.000      -2.120       0.000
1.000       1.000       20.11       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   4.469     -0.2632       38.00       22.34       44.08       22.34          ACTIVE   0.000      -2.320       0.000
1.000       1.000       22.34       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.916     -0.2591       41.80       24.58       47.88       24.58          ACTIVE   0.000      -2.520       0.000
1.000       1.000       24.58       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   5.363     -0.2550       45.60       26.81       51.68       26.81          ACTIVE   0.000      -2.720       0.000
1.000       1.000       26.81       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.809     -0.2509       49.40       29.05       55.48       29.05          ACTIVE   0.000      -2.920       0.000
1.000       1.000       29.05       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   6.256     -0.2469       53.20       31.28       59.28       31.28          ACTIVE   0.000      -3.120       0.000
1.000       1.000       31.28       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   6.703     -0.2428       57.00       33.52       63.08       33.52          ACTIVE   0.000      -3.320       0.000
1.000       1.000       33.52       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   7.150     -0.2387       60.80       35.75       66.88       35.75          ACTIVE   0.000      -3.520       0.000
1.000       1.000       35.75       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   7.597     -0.2346       64.60       37.98       70.68       37.98          ACTIVE   0.000      -3.720       0.000
1.000       1.000       37.98       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   8.044     -0.2305       68.40       40.22       74.48       40.22          ACTIVE   0.000      -3.920       0.000
1.000       1.000       40.22       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   8.491     -0.2265       72.20       42.45       78.28       42.45          ACTIVE   0.000      -4.120       0.000
1.000       1.000       42.45       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   8.938     -0.2224       76.00       44.69       82.08       44.69          ACTIVE   0.000      -4.320       0.000
1.000       1.000       44.69       0.000       0.000       0.000       0.000     a_20886_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   7.752     -0.2181       79.80       38.76       84.10       42.05          ACTIVE   0.000      -4.520       0.000
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1.000       1.000       38.76       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   8.244     -0.2140       83.60       41.22       85.93       42.97         ACTIVE   0.000      -4.720       0.000
1.000       1.000       41.22       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   8.736     -0.2099       87.40       43.68       87.76       43.88         ACTIVE   0.000      -4.920       0.000
1.000       1.000       43.68       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   9.227     -0.2059       91.20       46.14       91.20       46.14         ACTIVE   0.000      -5.120       0.000
1.000       1.000       46.14       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   9.774     -0.2018       94.21       48.09       94.21       48.09         ACTIVE   0.000      -5.320       0.7855
1.000       1.000       48.87       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   10.41     -0.1977       96.05       49.27       96.05       49.27         ACTIVE   0.000      -5.520       2.752
1.000       1.000       52.03       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   11.04     -0.1936       97.88       50.46       97.88       50.46         ACTIVE   0.000      -5.720       4.718
1.000       1.000       55.18       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   11.67     -0.1896       99.72       51.65       99.72       51.65         ACTIVE   0.000      -5.920       6.684
1.000       1.000       58.33       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   12.30     -0.1855       101.5       52.83       101.5       52.83         ACTIVE   0.000      -6.120       8.650
1.000       1.000       61.48       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   12.93     -0.1815       103.4       54.02       103.4       54.02         ACTIVE   0.000      -6.320       10.62
1.000       1.000       64.64       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   13.56     -0.1774       105.2       55.21       105.2       55.21         ACTIVE   0.000      -6.520       12.58
1.000       1.000       67.79       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   14.19     -0.1733       107.1       56.39       107.1       56.39         ACTIVE   0.000      -6.720       14.55
1.000       1.000       70.94       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   14.82     -0.1693       108.9       57.58       108.9       57.58         ACTIVE   0.000      -6.920       16.52
1.000       1.000       74.09       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   15.45     -0.1653       110.7       58.76       110.7       58.76         ACTIVE   0.000      -7.120       18.48
1.000       1.000       77.25       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   16.08     -0.1612       112.6       59.95       112.6       59.95         ACTIVE   0.000      -7.320       20.45
1.000       1.000       80.40       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   16.71     -0.1572       114.4       61.14       114.4       61.14         ACTIVE   0.000      -7.520       22.41
1.000       1.000       83.55       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   17.34     -0.1532       116.2       62.32       116.2       62.32         ACTIVE   0.000      -7.720       24.38
1.000       1.000       86.70       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   17.97     -0.1491       118.1       63.51       118.1       63.51         ACTIVE   0.000      -7.920       26.35
1.000       1.000       89.86       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   18.60     -0.1451       119.9       64.70       119.9       64.70         ACTIVE   0.000      -8.120       28.31
1.000       1.000       93.01       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   19.23     -0.1411       121.7       65.88       121.7       65.88         ACTIVE   0.000      -8.320       30.28
1.000       1.000       96.16       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   19.86     -0.1371       123.6       67.07       123.6       67.07         ACTIVE   0.000      -8.520       32.25
1.000       1.000       99.32       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   20.49     -0.1331       125.4       68.26       125.4       68.26         ACTIVE   0.000      -8.720       34.21
1.000       1.000       102.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   21.12     -0.1291       127.2       69.44       127.2       69.44         ACTIVE   0.000      -8.920       36.18
1.000       1.000       105.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   21.75     -0.1251       129.1       70.63       129.1       70.63         ACTIVE   0.000      -9.120       38.14
1.000       1.000       108.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   22.39     -0.1211       130.9       71.82       130.9       71.82         ACTIVE   0.000      -9.320       40.11
1.000       1.000       111.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   23.02     -0.1172       132.7       73.00       132.7       73.00         ACTIVE   0.000      -9.520       42.08
1.000       1.000       115.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   23.65     -0.1132       134.6       74.19       134.6       74.19         ACTIVE   0.000      -9.720       44.04
1.000       1.000       118.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   24.28     -0.1093       136.4       75.38       136.4       75.38         ACTIVE   0.000      -9.920       46.01
1.000       1.000       121.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   24.91     -0.1053       138.2       76.56       138.2       76.56         ACTIVE   0.000      -10.12       47.98
1.000       1.000       124.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   25.54     -0.1014       140.1       77.75       140.1       77.75         ACTIVE   0.000      -10.32       49.94
1.000       1.000       127.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   26.17     -9.7434E-02   141.9       78.93       141.9       78.93         ACTIVE   0.000      -10.52       51.91
1.000       1.000       130.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   26.80     -9.3509E-02   143.7       80.12       143.7       80.12          ACTIVE   0.000      -10.72       53.87
1.000       1.000       134.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   27.43     -8.9593E-02   145.6       81.31       145.6       81.31          ACTIVE   0.000      -10.92       55.84
1.000       1.000       137.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   28.06     -8.5684E-02   147.4       82.49       147.4       82.49          ACTIVE   0.000      -11.12       57.81
1.000       1.000       140.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   28.69     -8.1784E-02   149.2       83.68       149.2       83.68          ACTIVE   0.000      -11.32       59.77
1.000       1.000       143.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   29.32     -7.7892E-02   151.1       84.87       151.1       84.87          ACTIVE   0.000      -11.52       61.74
1.000       1.000       146.6       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   29.95     -7.4008E-02   152.9       86.05       152.9       86.05          ACTIVE   0.000      -11.72       63.70
1.000       1.000       149.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   30.58     -7.0133E-02   154.7       87.24       154.7       87.24          ACTIVE   0.000      -11.92       65.67
1.000       1.000       152.9       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   31.21     -6.6265E-02   156.6       88.43       156.6       88.43          ACTIVE   0.000      -12.12       67.64
1.000       1.000       156.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   31.84     -6.2406E-02   158.4       89.61       158.4       89.61          ACTIVE   0.000      -12.32       69.60
1.000       1.000       159.2       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   32.47     -5.8554E-02   160.2       90.80       160.2       90.80          ACTIVE   0.000      -12.52       71.57
1.000       1.000       162.4       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   33.10     -5.4710E-02   162.1       91.99       162.1       91.99          ACTIVE   0.000      -12.72       73.54
1.000       1.000       165.5       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   33.73     -5.0874E-02   163.9       93.17       163.9       93.17          ACTIVE   0.000      -12.92       75.50
1.000       1.000       168.7       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   34.37     -4.7046E-02   165.7       94.36       165.7       94.36          ACTIVE   0.000      -13.12       77.47
1.000       1.000       171.8       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   35.00     -4.3225E-02   167.6       95.54       167.6       95.54          ACTIVE   0.000      -13.32       79.43
1.000       1.000       175.0       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   35.63     -3.9411E-02   169.4       96.73       169.4       96.73          ACTIVE   0.000      -13.52       81.40
1.000       1.000       178.1       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   36.26     -3.5603E-02   171.2       97.92       171.2       97.92          ACTIVE   0.000      -13.72       83.37
1.000       1.000       181.3       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   35.98     -3.1299E-02   173.1       94.55       173.1       94.55          ACTIVE   0.000      -13.92       85.33
1.000       1.000       179.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   36.62     -2.7495E-02   175.1       95.81       175.1       95.81          ACTIVE   0.000      -14.12       87.30
1.000       1.000       183.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   37.27     -2.3696E-02   177.2       97.07       177.2       97.07          ACTIVE   0.000      -14.32       89.27
1.000       1.000       186.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   37.91     -1.9903E-02   179.2       98.33       179.2       98.33          ACTIVE   0.000      -14.52       91.23
1.000       1.000       189.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   38.56     -1.6115E-02   181.2       99.59       181.2       100.1          ACTIVE   0.000      -14.72       93.20
1.000       1.000       192.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   39.20     -1.2332E-02   183.3       100.8       183.3       106.1          ACTIVE   0.000      -14.92       95.16
1.000       1.000       196.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   39.85     -8.5528E-03   185.3       102.1       185.3       112.1          ACTIVE   0.000      -15.12       97.13
1.000       1.000       199.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   40.49     -4.7770E-03   187.3       103.4       187.3       135.9          ACTIVE   0.000      -15.32       99.10
1.000       1.000       202.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   41.14     -1.0041E-03   189.4       104.6       189.4       194.7          ACTIVE   0.000      -15.52       101.1
1.000       1.000       205.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   55.06      2.7664E-03   191.4       172.3       191.4       265.7           UL-RL  1.3608E+05  -15.72       103.0
1.000       1.000       275.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   102.6      6.5354E-03   193.4       408.1       193.4       408.1            V-C  4.5360E+04  -15.92       105.0
1.000       1.000       513.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   137.6      1.0303E-02   195.5       581.3       195.5       581.3            V-C  4.5360E+04  -16.12       107.0
1.000       1.000       688.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   166.8      1.4071E-02   197.5       725.2       197.5       725.2          PASSIVE   0.000      -16.32       108.9
1.000       1.000       834.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   84.31      1.7841E-02   199.5       732.2       199.5       732.2          PASSIVE   0.000      -16.52       110.9
1.000       1.000       843.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :28 January 2022   10:29:48                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   82
C U R R E N T   T I M E   I S      7.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------------
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-----------------------------------------------
   1     0.000         --          --          --          --          --         REMOVED     --      -0.3200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --         REMOVED     --      -0.5200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --         REMOVED     --      -0.7200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --         REMOVED     --      -0.9200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --         REMOVED     --       -1.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --         REMOVED     --       -1.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --         REMOVED     --       -1.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --         REMOVED     --       -1.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --         REMOVED     --       -1.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --         REMOVED     --       -2.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --         REMOVED     --       -2.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --         REMOVED     --       -2.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --         REMOVED     --       -2.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --         REMOVED     --       -2.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --         REMOVED     --       -3.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --         REMOVED     --       -3.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --         REMOVED     --       -3.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --         REMOVED     --       -3.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --         REMOVED     --       -3.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --         REMOVED     --       -4.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --         REMOVED     --       -4.320       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --         REMOVED     --       -4.520       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --         REMOVED     --       -4.720       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  24     0.000         --          --          --          --          --         REMOVED     --       -4.920       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  25     0.000         --          --          --          --          --         REMOVED     --       -5.120       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  26 D   6.378      0.2018       3.040       31.89       94.32       70.65         PASSIVE   0.000      -5.320       0.000
1.000       1.000       31.89       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   8.136      0.1977       6.840       40.68       96.10       70.77         PASSIVE   0.000      -5.520       0.000
1.000       1.000       40.68       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   9.544      0.1936       9.568       46.65       97.87       70.91         PASSIVE   0.000      -5.720       1.072
1.000       1.000       47.72       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   10.65      0.1896       11.33       50.14       99.64       71.07         PASSIVE   0.000      -5.920       3.105
1.000       1.000       53.24       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   11.76      0.1855       13.10       53.68       101.4       71.24         PASSIVE   0.000      -6.120       5.139
1.000       1.000       58.81       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0              0.0000
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0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   12.88       0.1815       14.87       57.24       103.2       71.44        PASSIVE   0.000       -6.320       7.173
1.000       1.000       64.42       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   14.01       0.1774       16.63       60.83       105.0       71.65        PASSIVE   0.000       -6.520       9.207
1.000       1.000       70.04       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   15.14       0.1733       18.40       64.44       106.7       73.29        PASSIVE   0.000       -6.720       11.24
1.000       1.000       75.68       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   16.27       0.1693       20.17       68.05       108.5       77.85        PASSIVE   0.000       -6.920       13.27
1.000       1.000       81.33       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   17.40       0.1653       21.93       71.68       110.3       82.42        PASSIVE   0.000       -7.120       15.31
1.000       1.000       86.98       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   18.53       0.1612       23.70       75.31       112.1       86.98        PASSIVE   0.000       -7.320       17.34
1.000       1.000       92.65       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   19.66       0.1572       25.46       78.94       113.8       91.55        PASSIVE   0.000       -7.520       19.38
1.000       1.000       98.32       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   20.80       0.1532       27.23       82.58       115.6       96.12        PASSIVE   0.000       -7.720       21.41
1.000       1.000       104.0       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   21.93       0.1491       29.00       86.23       117.4       100.7        PASSIVE   0.000       -7.920       23.44
1.000       1.000       109.7       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   23.07       0.1451       30.76       89.87       119.2       105.2        PASSIVE   0.000       -8.120       25.48
1.000       1.000       115.4       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   24.21       0.1411       32.53       93.52       120.9       109.8        PASSIVE   0.000       -8.320       27.51
1.000       1.000       121.0       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   25.34       0.1371       34.30       97.17       122.7       114.4        PASSIVE   0.000       -8.520       29.54
1.000       1.000       126.7       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   26.48       0.1331       36.06       100.8       124.5       118.9        PASSIVE   0.000       -8.720       31.58
1.000       1.000       132.4       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   27.62       0.1291       37.83       104.5       126.3       123.5        PASSIVE   0.000       -8.920       33.61
1.000       1.000       138.1       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   28.76       0.1251       39.59       108.1       128.0       128.1        PASSIVE   0.000       -9.120       35.65
1.000       1.000       143.8       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   29.89       0.1211       41.36       111.8       129.8       132.6        PASSIVE   0.000       -9.320       37.68
1.000       1.000       149.5       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   31.03       0.1172       43.13       115.5       131.6       137.2        PASSIVE   0.000       -9.520       39.71
1.000       1.000       155.2       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   32.17       0.1132       44.89       119.1       133.3       138.1        PASSIVE   0.000       -9.720       41.75
1.000       1.000       160.9       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   33.31       0.1093       46.66       122.8       135.1       136.0        PASSIVE   0.000       -9.920       43.78
1.000       1.000       166.6       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   34.45       0.1053       48.43       126.4       136.9       134.0        PASSIVE   0.000       -10.12       45.81
1.000       1.000       172.2       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   35.59       0.1014       50.19       130.1       138.7       132.1        PASSIVE   0.000       -10.32       47.85
1.000       1.000       177.9       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   36.73       9.7434E-02   51.96       133.8       140.4       133.8        PASSIVE   0.000       -10.52       49.88
1.000       1.000       183.6       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  53 D   37.87       9.3509E-02   53.72       137.4       142.2       137.4        PASSIVE   0.000       -10.72       51.92
1.000       1.000       189.3       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   39.01       8.9593E-02   55.49       141.1       144.0       141.1        PASSIVE   0.000       -10.92       53.95
1.000       1.000       195.0       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   40.14       8.5684E-02   57.26       144.7       145.8       144.7        PASSIVE   0.000       -11.12       55.98
1.000       1.000       200.7       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   41.28       8.1784E-02   59.02       148.4       147.5       148.4        PASSIVE   0.000       -11.32       58.02
1.000       1.000       206.4       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   42.42       7.7892E-02   60.79       152.1       149.3       152.1        PASSIVE   0.000       -11.52       60.05
1.000       1.000       212.1       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   43.56       7.4008E-02   62.56       155.7       151.1       155.7        PASSIVE   0.000       -11.72       62.08
1.000       1.000       217.8       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   44.70       7.0133E-02   64.32       159.4       152.9       159.4        PASSIVE   0.000       -11.92       64.12
1.000       1.000       223.5       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   45.84       6.6265E-02   66.09       163.1       154.6       163.1        PASSIVE   0.000       -12.12       66.15
1.000       1.000       229.2       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   46.98       6.2406E-02   67.85       166.7       156.4       166.7        PASSIVE   0.000       -12.32       68.19
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1.000       1.000       234.9       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   48.12      5.8554E-02   69.62       170.4       158.2       170.4         PASSIVE   0.000      -12.52       70.22
1.000       1.000       240.6       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   49.26      5.4710E-02   71.39       174.1       160.0       174.1         PASSIVE   0.000      -12.72       72.25
1.000       1.000       246.3       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   50.40      5.0874E-02   73.15       177.7       161.7       177.7         PASSIVE   0.000      -12.92       74.29
1.000       1.000       252.0       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   51.54      4.7046E-02   74.92       181.4       163.5       181.4         PASSIVE   0.000      -13.12       76.32
1.000       1.000       257.7       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   52.68      4.3225E-02   76.69       185.1       165.3       185.1         PASSIVE   0.000      -13.32       78.35
1.000       1.000       263.4       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   53.82      3.9411E-02   78.45       188.7       167.1       188.7         PASSIVE   0.000      -13.52       80.39
1.000       1.000       269.1       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   54.96      3.5603E-02   80.22       192.4       168.8       192.4         PASSIVE   0.000      -13.72       82.42
1.000       1.000       274.8       0.000       0.000       8.173       8.173     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   58.52      3.1299E-02   82.00       208.1       170.6       208.1         PASSIVE   0.000      -13.92       84.46
1.000       1.000       292.6       0.000       0.000       8.173       8.173     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   59.79      2.7495E-02   83.97       212.5       172.6       212.5         PASSIVE   0.000      -14.12       86.49
1.000       1.000       299.0       0.000       0.000       8.173       8.173     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   61.07      2.3696E-02   85.94       216.8       174.6       216.8         PASSIVE   0.000      -14.32       88.52
1.000       1.000       305.4       0.000       0.000       8.173       8.173     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   62.35      1.9903E-02   87.90       221.2       176.5       221.2         PASSIVE   0.000      -14.52       90.56
1.000       1.000       311.8       0.000       0.000       8.173       8.173     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   63.63      1.6115E-02   89.87       225.6       178.5       225.6         PASSIVE   0.000      -14.72       92.59
1.000       1.000       318.1       0.000       0.000       8.173       8.173     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   64.91      1.2332E-02   91.84       229.9       180.5       229.9         PASSIVE   0.000      -14.92       94.62
1.000       1.000       324.5       0.000       0.000       8.173       8.173     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   66.19      8.5528E-03   93.80       234.3       182.5       234.3         PASSIVE   0.000      -15.12       96.66
1.000       1.000       330.9       0.000       0.000       8.173       8.173     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   67.46      4.7770E-03   95.77       238.6       184.4       238.6         PASSIVE   0.000      -15.32       98.69
1.000       1.000       337.3       0.000       0.000       8.173       8.173     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   60.38      1.0041E-03   97.73       201.2       186.4       201.2              V-C  4.2350E+04  -15.52       100.7
1.000       1.000       301.9       0.000       0.000       8.173       8.173     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   38.56     -2.7664E-03   99.70       90.03       188.4       115.2            UL-RL  1.2705E+05  -15.72       102.8
1.000       1.000       192.8       0.000       0.000       8.173       8.173     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   27.33     -6.5354E-03   101.7       31.84       190.4       102.2           ACTIVE   0.000      -15.92       104.8
1.000       1.000       136.6       0.000       0.000       8.173       8.173     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   27.90     -1.0303E-02   103.6       32.66       192.3       103.4           ACTIVE   0.000      -16.12       106.8
1.000       1.000       139.5       0.000       0.000       8.173       8.173     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   28.47     -1.4071E-02   105.6       33.48       194.3       104.6           ACTIVE   0.000      -16.32       108.9
1.000       1.000       142.3       0.000       0.000       8.173       8.173     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   14.52     -1.7841E-02   107.6       34.30       196.3       105.1           ACTIVE   0.000      -16.52       110.9
1.000       1.000       145.2       0.000       0.000       8.173       8.173     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
```

New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   81
C U R R E N T   T I M E   I S   7.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

EL	TA	TB	MA	MB
1	0.50761	-0.50761	2.65230E-08	0.10152
2	1.9697	-1.9697	-0.10152	0.49546
3	3.8787	-3.8787	-0.49546	1.2712
4	6.2345	-6.2345	-1.2712	2.5181
5	9.0373	-9.0373	-2.5181	4.3256
6	12.287	-12.287	-4.3256	6.7829
7	15.983	-15.983	-6.7829	9.9796
8	20.127	-20.127	-9.9796	14.005
9	24.717	-24.717	-14.005	18.948
10	29.754	-29.754	-18.948	24.899
11	35.238	-35.238	-24.899	31.947
12	41.169	-41.169	-31.947	40.181
13	47.547	-47.547	-40.181	49.690
14	54.371	-54.371	-49.690	60.564
15	61.643	-61.643	-60.564	72.893
16	69.361	-69.361	-72.893	86.765
17	77.527	-77.527	-86.765	102.27
18	86.139	-86.139	-102.27	119.50
19	95.198	-95.198	-119.50	138.54
20	104.70	-104.70	-138.54	159.48
21	114.66	-114.66	-159.48	182.41
22	123.42	-123.42	-182.41	207.09
23	132.68	-132.68	-207.09	233.63
24	142.43	-142.43	-233.63	262.12
25	152.27	-152.27	-262.12	292.57
26	155.67	-155.67	-292.57	323.71
27	157.94	-157.94	-323.71	355.29
28	159.43	-159.43	-355.29	387.18
29	160.44	-160.44	-387.18	419.27
30	160.98	-160.98	-419.27	451.46
31	161.02	-161.02	-451.46	483.67
32	160.57	-160.57	-483.67	515.78
33	159.62	-159.62	-515.78	547.70
34	158.18	-158.18	-547.70	579.34
35	156.23	-156.23	-579.34	610.59
36	153.78	-153.78	-610.59	641.34
37	150.83	-150.83	-641.34	671.51
38	147.37	-147.37	-671.51	700.98
39	143.41	-143.41	-700.98	729.66
40	138.94	-138.94	-729.66	757.45
41	133.96	-133.96	-757.45	784.24
42	128.48	-128.48	-784.24	809.94
43	122.49	-122.49	-809.94	834.44
44	116.00	-116.00	-834.44	857.64
45	109.00	-109.00	-857.64	879.44
46	101.49	-101.49	-879.44	899.74
47	93.471	-93.471	-899.74	918.43
48	84.946	-84.946	-918.43	935.42
49	75.912	-75.912	-935.42	950.60
50	66.371	-66.371	-950.60	963.87
51	56.321	-56.321	-963.87	975.14
52	45.762	-45.762	-975.14	984.29
53	34.695	-34.695	-984.29	991.23
54	23.119	-23.119	-991.23	995.85
55	11.034	-11.034	-995.85	998.06
56	-1.5595	1.5595	-998.06	997.75
57	-14.662	14.662	-997.75	994.82
58	-28.273	28.273	-994.82	989.16
59	-42.394	42.394	-989.16	980.68
60	-57.024	57.024	-980.68	969.28
61	-72.162	72.162	-969.28	954.85
62	-87.810	87.810	-954.85	937.28
63	-103.97	103.97	-937.28	916.49
64	-120.63	120.63	-916.49	892.36
65	-137.81	137.81	-892.36	864.80
66	-155.49	155.49	-864.80	833.70
67	-173.69	173.69	-833.70	798.96
68	-192.39	192.39	-798.96	760.49
69	-214.93	214.93	-760.49	717.50
70	-238.11	238.11	-717.50	669.88

71	-261.91	261.91	-669.88	617.50
72	-286.35	286.35	-617.50	560.23
73	-311.42	311.42	-560.23	497.94
74	-337.13	337.13	-497.94	430.52
75	-363.46	363.46	-430.52	357.82
76	-390.44	390.44	-357.82	279.74
77	-409.68	409.68	-279.74	197.80
78	-393.17	393.17	-197.80	119.17
79	-317.89	317.89	-119.17	55.589
80	-208.15	208.15	-55.589	13.959
81	-69.794	69.794	-13.959	-2.02372E-10

```
+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                Exe Time :28 January 2022   10:29:48                                                   |
+-----------------------------------------------------------------------------------------------------------------------+


     F I N A L    I N C R E M E N T A L    A N A L Y S I S

                    S U M M A R Y

     STEP                                  NO. OF ITERATIONS

        1           CONVERGENCE :YES                       3
        2           CONVERGENCE :YES                       3
        3           CONVERGENCE :YES                       2
        4           CONVERGENCE :YES                       6
        5           CONVERGENCE :YES                       6
        6           CONVERGENCE :YES                       6
        7           CONVERGENCE :YES                      11


 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....    0.10 [sec]
DATABASE  CREATION CPU TIME.....    0.33 [sec]
```

PARATIE plus™

Report di Calcolo

Sommario
Contenuto Sommario

1. Descrizione del Software

ParatiePlus è un codice agli elementi finiti che simula il problema di uno scavo sostenuto da diaframmi flessibili e permette di valutare il comportamento della parete di sostegno durante tutte le fasi intermedie e nella configurazione finale.

2. Descrizione della Stratigrafia e degli Strati di Terreno

Tipo : POLYLINE
Punti
(-22.6;8)
(-5.2;1.8)
(0;0)
(15.8;-5)
(21.8;-6.4)
(27;-7)
(30.5;-9)
(37.4;-9.5)
(37.4;-30)
(-22.6;-30)
OCR : 1

Tipo : POLYLINE
Punti
(-22.6;2.7)
(-5.2;-3.5)
(0;-5.3)
(15.8;-10.3)
(21.8;-11.7)
(27;-12.3)
(30.5;-14.3)
(37.4;-14.8)
(37.4;-30)
(-22.6;-30)
OCR : 1

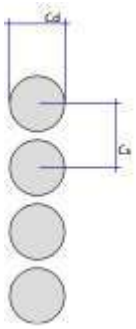
Tipo : POLYLINE
Punti
(-22.6;-9.6)
(-5.2;-15.8)
(0;-17.6)
(15.8;-22.6)
(21.8;-24)
(27;-24.6)
(30.5;-26.6)
(37.4;-27.1)
(37.4;-30)
(-22.6;-30)
OCR : 1

Strato di Terreno	Terreno	γ dry	γ sat	ø'	øcv	øp	c'	Su	Modulo Elastico	Eu	Evc	Eur	Ah	Av	exp	Pa	Rur/Rvc	Rvc	Ku	Kvc	Kur
		kN/m³	kN/m³	°	°	°	kPa	kPa			kPa	kPa				kPa		kPa	kN/m³	kN/m³	kN/m³
1	Ecla	19	19	25			10		Constant		30000	90000									
2	Salt	20	20	26			10		Constant		200000	600000									
3	Sch	23	23	31			63		Constant		135000	405000									

3. Descrizione Pareti

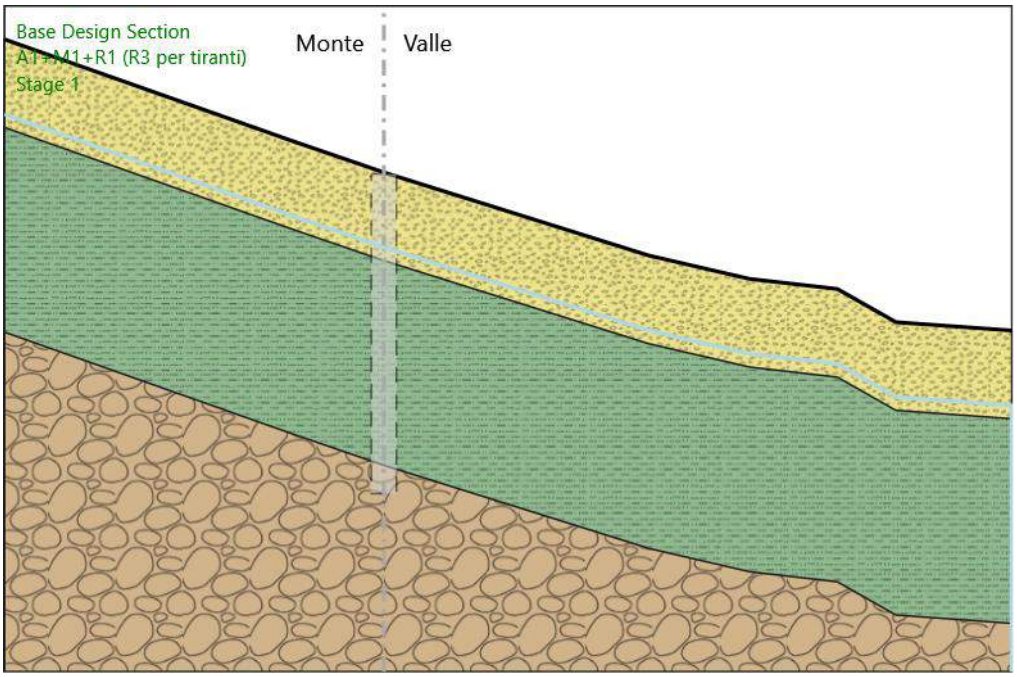
X : 0 m
Quota in alto : -0.1 m
Quota di fondo : -19.3 m
Muro di sinistra

Sezione : Pali1500
Area equivalente : 1.03949756920251 m
Inerzia equivalente : 0.1462 m^4/m
Materiale calcestruzzo : C32/40
Tipo sezione : Tangent
Spaziatura : 1.7 m
Diametro : 1.5 m
Efficacia : 1



4. Fasi di Calcolo

4.1. Stage 1



Stage 1

Scavo

Muro di sinistra

Lato monte : 0 m

Lato valle : 0 m

Linea di scavo di sinistra (Irregolare)

(-22.6;8)

(-5.2;1.8)

(0;0)

Linea di scavo di destra (Irregolare)

(0;0)

(15.8;-5)

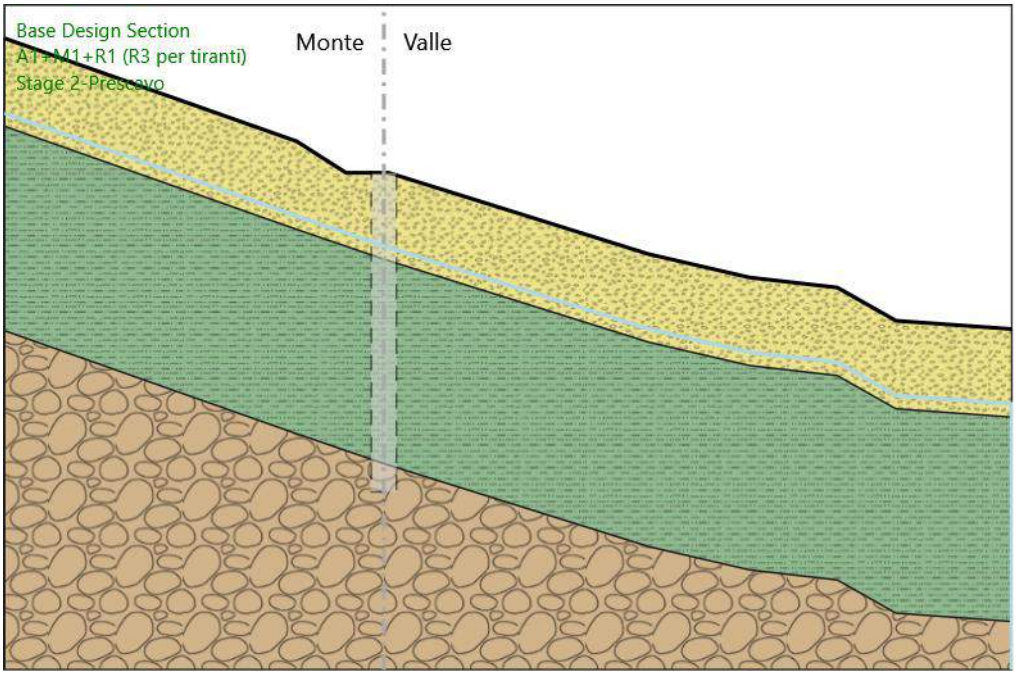
(21.8;-6.4)

(27;-7)

(30.5;-9)

(37.4;-9.5)

4.2. Stage 2-Prescavo



Stage 2-Prescavo

Scavo

Muro di sinistra

Lato monte : -0.1 m

Lato valle : -0.1 m

Linea di scavo di sinistra (Irregolare)

(-22.6;8)

(-5.2;1.8)

(-2.25;-0.1)

(0;-0.1)

Linea di scavo di destra (Irregolare)

(0;-0.1)

(0.3;-0.1)

(15.8;-5)

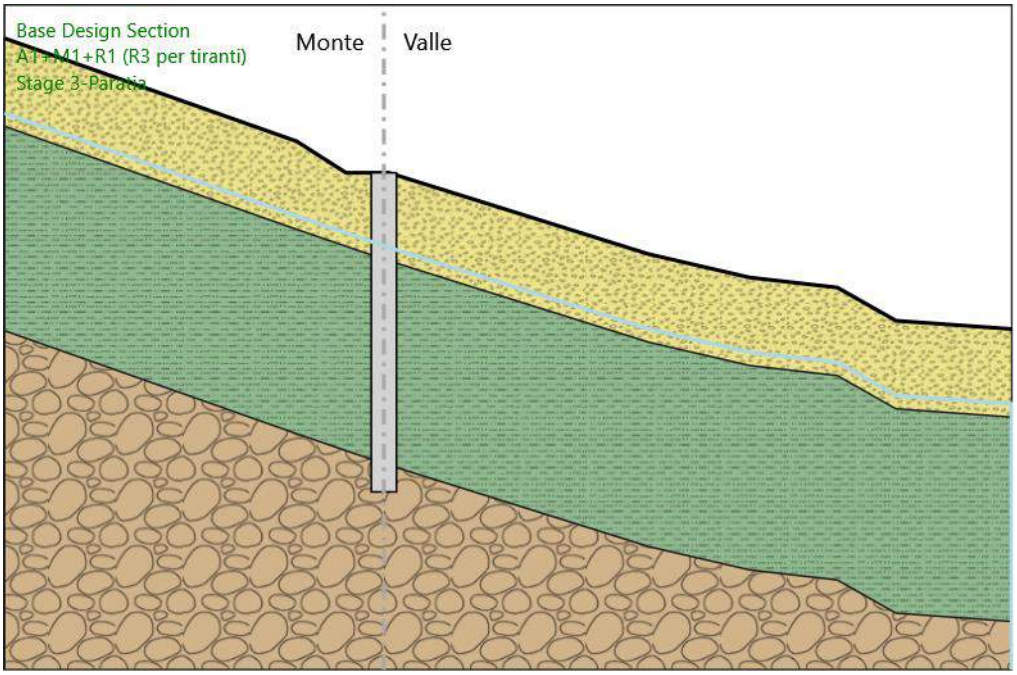
(21.8;-6.4)

(27;-7)

(30.5;-9)

(37.4;-9.5)

4.3. Stage 3-Paratia



Stage 3-Paratia

Scavo

Muro di sinistra

Lato monte : -0.1 m

Lato valle : -0.1 m

Linea di scavo di sinistra (Irregolare)

(-22.6;8)

(-5.2;1.8)

(-2.25;-0.1)

(0;-0.1)

Linea di scavo di destra (Irregolare)

(0;-0.1)

(0.3;-0.1)

(15.8;-5)

(21.8;-6.4)

(27;-7)

(30.5;-9)

(37.4;-9.5)

Elementi strutturali

Paratia : WallElement

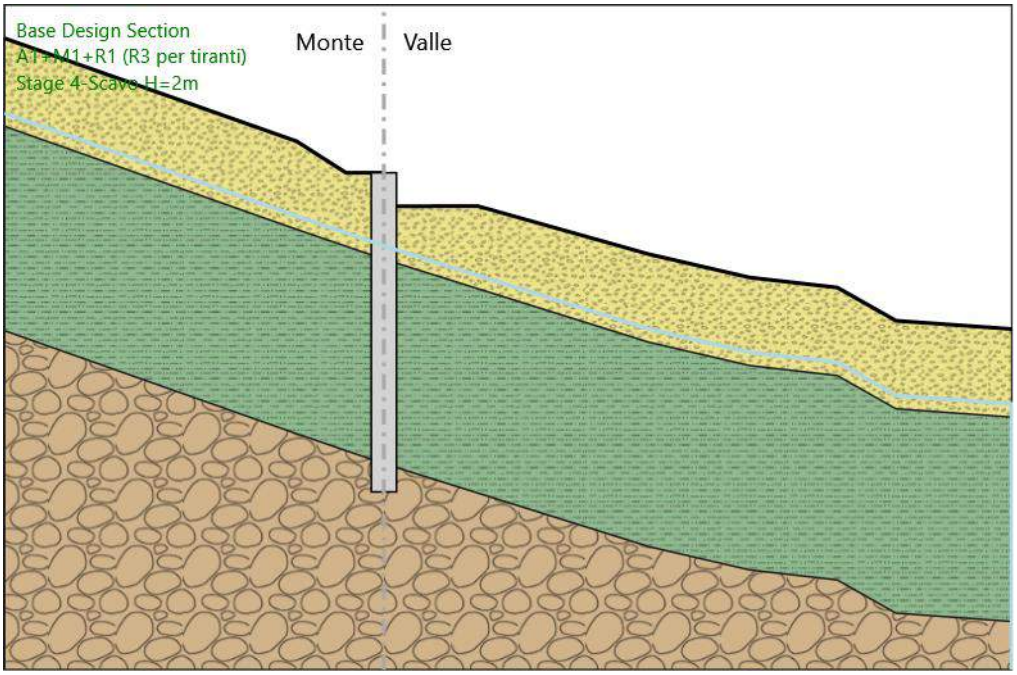
X : 0 m

Quota in alto : -0.1 m

Quota di fondo : -19.3 m

Sezione : Pali1500

4.4. Stage 4-Scavo H=2m



Stage 4-Scavo H=2m

Scavo

Muro di sinistra

Lato monte : -0.1 m

Lato valle : -2.11 m

Linea di scavo di sinistra (Irregolare)

(-22.6;8)

(-5.2;1.8)

(-2.25;-0.1)

(0;-0.1)

Linea di scavo di destra (Irregolare)

(0;-2.11)

(5.6;-2.1)

(15.8;-5)

(21.8;-6.4)

(27;-7)

(30.5;-9)

(37.4;-9.5)

Elementi strutturali

Paratia : WallElement

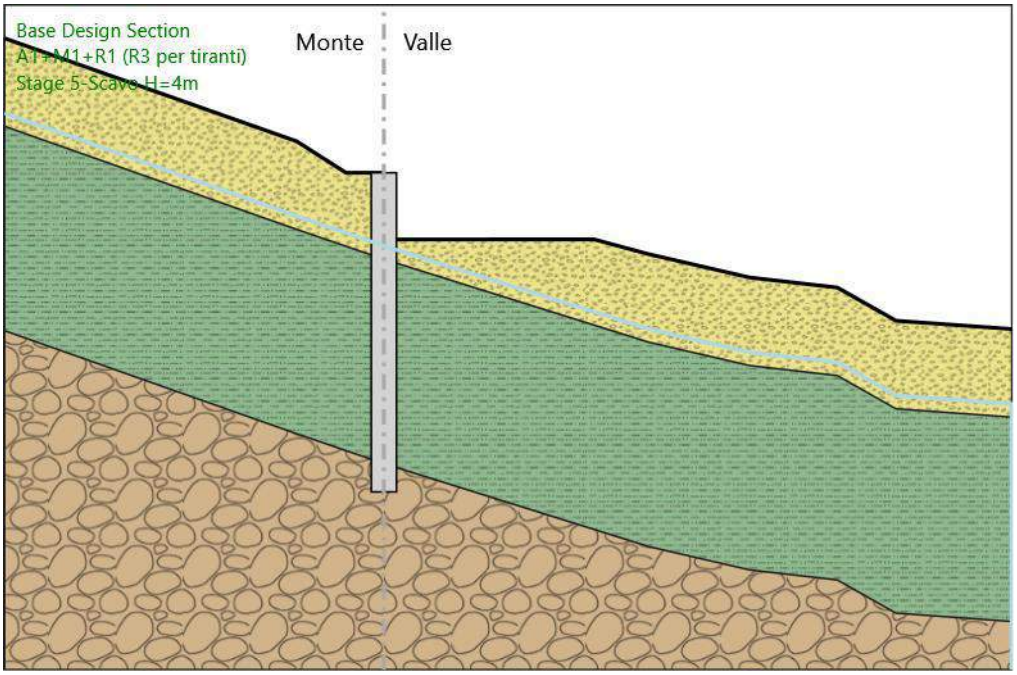
X : 0 m

Quota in alto : -0.1 m

Quota di fondo : -19.3 m

Sezione : Pali1500

4.5. Stage 5-Scavo H=4m



Stage 5-Scavo H=4m

Scavo

Muro di sinistra

Lato monte : -0.1 m

Lato valle : -4.11 m

Linea di scavo di sinistra (Irregolare)

(-22.6;8)

(-5.2;1.8)

(-2.25;-0.1)

(0;-0.1)

Linea di scavo di destra (Irregolare)

(0;-4.11)

(12.5;-4.1)

(15.8;-5)

(21.8;-6.4)

(27;-7)

(30.5;-9)

(37.4;-9.5)

Elementi strutturali

Paratia : WallElement

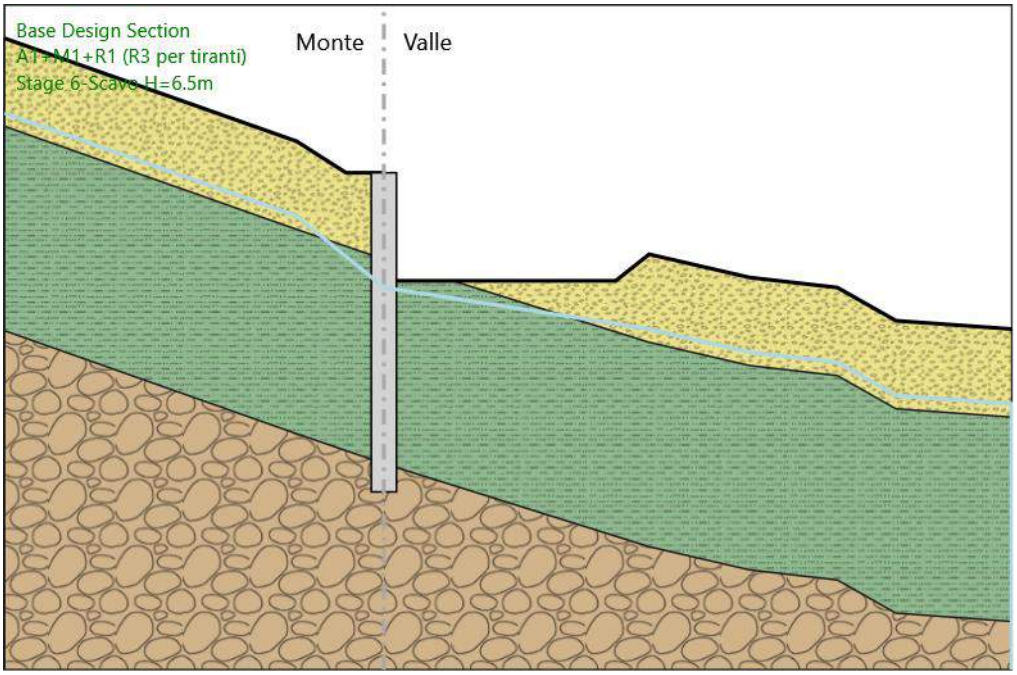
X : 0 m

Quota in alto : -0.1 m

Quota di fondo : -19.3 m

Sezione : Pali1500

4.6. Stage 6-Scavo H=6.5m



Stage 6-Scavo H=6.5m

Scavo

Muro di sinistra

Lato monte : -0.1 m

Lato valle : -6.6 m

Linea di scavo di sinistra (Irregolare)

(-22.6;8)

(-5.2;1.8)

(-2.25;-0.1)

(0;-0.1)

Linea di scavo di destra (Irregolare)

(0;-6.6)

(13.8;-6.6)

(15.8;-5)

(21.8;-6.4)

(27;-7)

(30.5;-9)

(37.4;-9.5)

Elementi strutturali

Paratia : WallElement

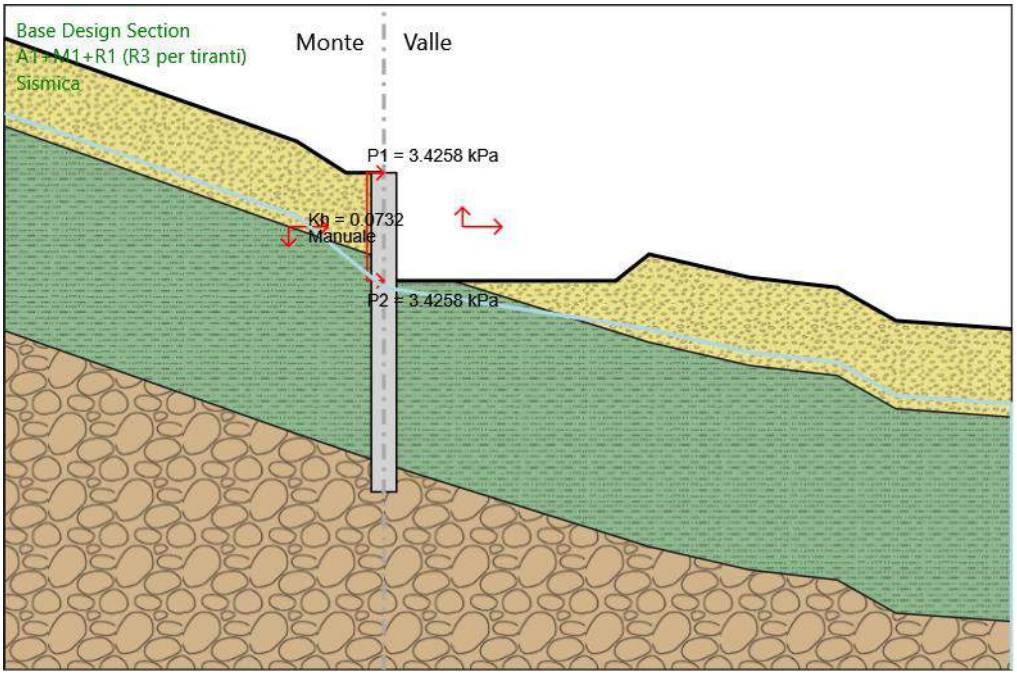
X : 0 m

Quota in alto : -0.1 m

Quota di fondo : -19.3 m

Sezione : Pali1500

4.7. Sismica



Sismica

Scavo

Muro di sinistra

Lato monte : -0.1 m

Lato valle : -6.6 m

Linea di scavo di sinistra (Irregolare)

(-22.6;8)

(-5.2;1.8)

(-2.25;-0.1)

(0;-0.1)

Linea di scavo di destra (Irregolare)

(0;-6.6)

(13.8;-6.6)

(15.8;-5)

(21.8;-6.4)

(27;-7)

(30.5;-9)

(37.4;-9.5)

Elementi strutturali

Paratia : WallElement

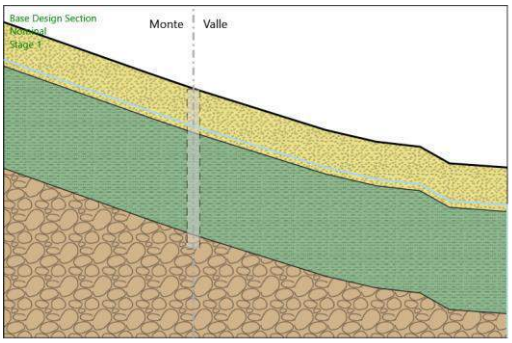
X : 0 m

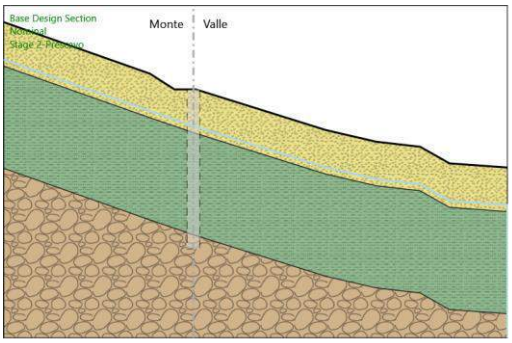
Quota in alto : -0.1 m

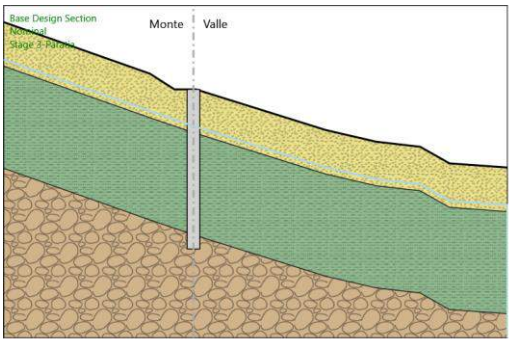
Quota di fondo : -19.3 m

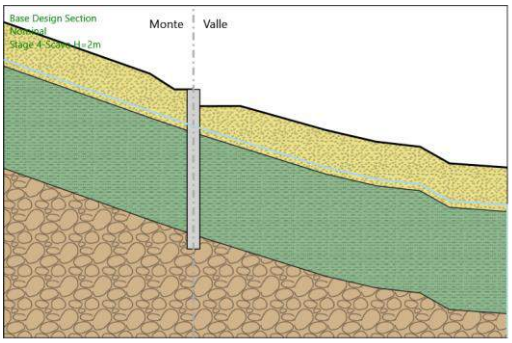
Sezione : Pali1500

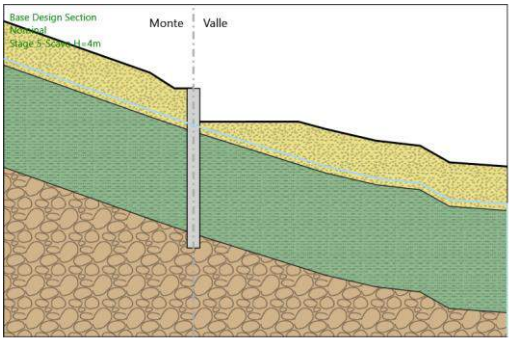
4.8. Tabella Configurazione Stage (Nominal)

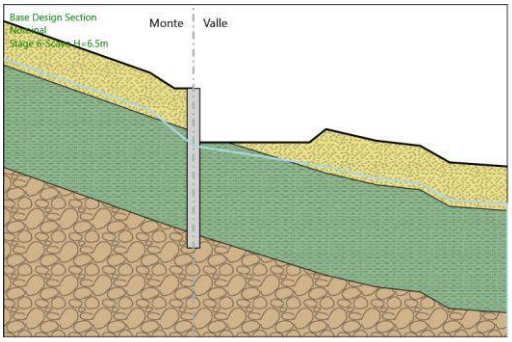


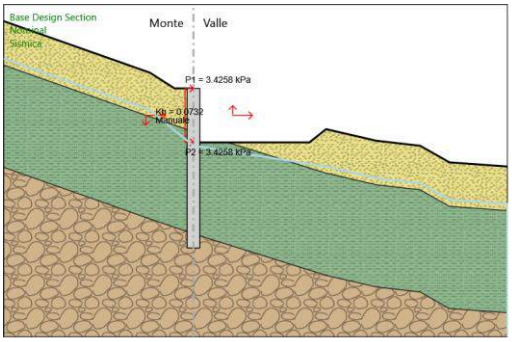












5. Grafici dei Risultati

5.1. Design Assumption : Nominal

5.1.1. Tabella Spostamento Nominal - LEFT Stage: Stage 1

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 1	-0.1	0
Stage 1	-0.3	0
Stage 1	-0.5	0
Stage 1	-0.7	0
Stage 1	-0.9	0
Stage 1	-1.1	0
Stage 1	-1.3	0
Stage 1	-1.5	0
Stage 1	-1.7	0
Stage 1	-1.9	0
Stage 1	-2.1	0
Stage 1	-2.3	0
Stage 1	-2.5	0
Stage 1	-2.7	0
Stage 1	-2.9	0
Stage 1	-3.1	0
Stage 1	-3.3	0
Stage 1	-3.5	0
Stage 1	-3.7	0
Stage 1	-3.9	0
Stage 1	-4.1	0
Stage 1	-4.3	0
Stage 1	-4.5	0.01
Stage 1	-4.7	0.02
Stage 1	-4.9	0.02
Stage 1	-5.1	0.02
Stage 1	-5.3	0.02
Stage 1	-5.5	0
Stage 1	-5.7	0
Stage 1	-5.9	0
Stage 1	-6.1	0
Stage 1	-6.3	0
Stage 1	-6.5	0
Stage 1	-6.7	0
Stage 1	-6.9	0
Stage 1	-7.1	0
Stage 1	-7.3	0
Stage 1	-7.5	0
Stage 1	-7.7	0
Stage 1	-7.9	0
Stage 1	-8.1	0
Stage 1	-8.3	0
Stage 1	-8.5	0
Stage 1	-8.7	0
Stage 1	-8.9	0
Stage 1	-9.1	0
Stage 1	-9.3	0
Stage 1	-9.5	0
Stage 1	-9.7	0
Stage 1	-9.9	0
Stage 1	-10.1	0
Stage 1	-10.3	0
Stage 1	-10.5	0
Stage 1	-10.7	0
Stage 1	-10.9	0
Stage 1	-11.1	0
Stage 1	-11.3	0
Stage 1	-11.5	0
Stage 1	-11.7	0
Stage 1	-11.9	0
Stage 1	-12.1	0

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 1	-12.3	0
Stage 1	-12.5	0
Stage 1	-12.7	0
Stage 1	-12.9	0
Stage 1	-13.1	0
Stage 1	-13.3	0
Stage 1	-13.5	0
Stage 1	-13.7	0
Stage 1	-13.9	0
Stage 1	-14.1	0
Stage 1	-14.3	0
Stage 1	-14.5	0
Stage 1	-14.7	0
Stage 1	-14.9	0
Stage 1	-15.1	0
Stage 1	-15.3	0
Stage 1	-15.5	0
Stage 1	-15.7	0
Stage 1	-15.9	0
Stage 1	-16.1	0
Stage 1	-16.3	0
Stage 1	-16.5	0
Stage 1	-16.7	0
Stage 1	-16.9	0
Stage 1	-17.1	0
Stage 1	-17.3	0
Stage 1	-17.5	0
Stage 1	-17.7	0
Stage 1	-17.9	0
Stage 1	-18.1	0
Stage 1	-18.3	0
Stage 1	-18.5	0
Stage 1	-18.7	0
Stage 1	-18.9	0
Stage 1	-19.1	0
Stage 1	-19.3	0

5.1.2. Tabella Spostamento Nominal - LEFT Stage: Stage 2-Prescavo

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 2-Prescavo	-0.1	0
Stage 2-Prescavo	-0.3	0
Stage 2-Prescavo	-0.5	0
Stage 2-Prescavo	-0.7	0
Stage 2-Prescavo	-0.9	0
Stage 2-Prescavo	-1.1	0
Stage 2-Prescavo	-1.3	0
Stage 2-Prescavo	-1.5	0
Stage 2-Prescavo	-1.7	0
Stage 2-Prescavo	-1.9	0
Stage 2-Prescavo	-2.1	0
Stage 2-Prescavo	-2.3	0
Stage 2-Prescavo	-2.5	0
Stage 2-Prescavo	-2.7	0
Stage 2-Prescavo	-2.9	0
Stage 2-Prescavo	-3.1	0
Stage 2-Prescavo	-3.3	0
Stage 2-Prescavo	-3.5	0
Stage 2-Prescavo	-3.7	0
Stage 2-Prescavo	-3.9	0
Stage 2-Prescavo	-4.1	0
Stage 2-Prescavo	-4.3	0
Stage 2-Prescavo	-4.5	0.01
Stage 2-Prescavo	-4.7	0.02
Stage 2-Prescavo	-4.9	0.02
Stage 2-Prescavo	-5.1	0.02
Stage 2-Prescavo	-5.3	0.02
Stage 2-Prescavo	-5.5	0
Stage 2-Prescavo	-5.7	0
Stage 2-Prescavo	-5.9	0
Stage 2-Prescavo	-6.1	0
Stage 2-Prescavo	-6.3	0
Stage 2-Prescavo	-6.5	0
Stage 2-Prescavo	-6.7	0
Stage 2-Prescavo	-6.9	0
Stage 2-Prescavo	-7.1	0
Stage 2-Prescavo	-7.3	0
Stage 2-Prescavo	-7.5	0
Stage 2-Prescavo	-7.7	0
Stage 2-Prescavo	-7.9	0
Stage 2-Prescavo	-8.1	0
Stage 2-Prescavo	-8.3	0
Stage 2-Prescavo	-8.5	0
Stage 2-Prescavo	-8.7	0
Stage 2-Prescavo	-8.9	0
Stage 2-Prescavo	-9.1	0
Stage 2-Prescavo	-9.3	0
Stage 2-Prescavo	-9.5	0
Stage 2-Prescavo	-9.7	0
Stage 2-Prescavo	-9.9	0
Stage 2-Prescavo	-10.1	0
Stage 2-Prescavo	-10.3	0
Stage 2-Prescavo	-10.5	0
Stage 2-Prescavo	-10.7	0
Stage 2-Prescavo	-10.9	0
Stage 2-Prescavo	-11.1	0
Stage 2-Prescavo	-11.3	0
Stage 2-Prescavo	-11.5	0
Stage 2-Prescavo	-11.7	0
Stage 2-Prescavo	-11.9	0
Stage 2-Prescavo	-12.1	0
Stage 2-Prescavo	-12.3	0
Stage 2-Prescavo	-12.5	0
Stage 2-Prescavo	-12.7	0
Stage 2-Prescavo	-12.9	0
Stage 2-Prescavo	-13.1	0
Stage 2-Prescavo	-13.3	0

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 2-Prescavo	-13.5	0
Stage 2-Prescavo	-13.7	0
Stage 2-Prescavo	-13.9	0
Stage 2-Prescavo	-14.1	0
Stage 2-Prescavo	-14.3	0
Stage 2-Prescavo	-14.5	0
Stage 2-Prescavo	-14.7	0
Stage 2-Prescavo	-14.9	0
Stage 2-Prescavo	-15.1	0
Stage 2-Prescavo	-15.3	0
Stage 2-Prescavo	-15.5	0
Stage 2-Prescavo	-15.7	0
Stage 2-Prescavo	-15.9	0
Stage 2-Prescavo	-16.1	0
Stage 2-Prescavo	-16.3	0
Stage 2-Prescavo	-16.5	0
Stage 2-Prescavo	-16.7	0
Stage 2-Prescavo	-16.9	0
Stage 2-Prescavo	-17.1	0
Stage 2-Prescavo	-17.3	0
Stage 2-Prescavo	-17.5	0
Stage 2-Prescavo	-17.7	0
Stage 2-Prescavo	-17.9	0
Stage 2-Prescavo	-18.1	0
Stage 2-Prescavo	-18.3	0
Stage 2-Prescavo	-18.5	0
Stage 2-Prescavo	-18.7	0
Stage 2-Prescavo	-18.9	0
Stage 2-Prescavo	-19.1	0
Stage 2-Prescavo	-19.3	0

5.1.3. Tabella Spostamento Nominal - LEFT Stage: Stage 3-Paratia

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 3-Paratia	-0.1	0
Stage 3-Paratia	-0.3	0
Stage 3-Paratia	-0.5	0
Stage 3-Paratia	-0.7	0
Stage 3-Paratia	-0.9	0
Stage 3-Paratia	-1.1	0
Stage 3-Paratia	-1.3	0
Stage 3-Paratia	-1.5	0
Stage 3-Paratia	-1.7	0
Stage 3-Paratia	-1.9	0
Stage 3-Paratia	-2.1	0
Stage 3-Paratia	-2.3	0
Stage 3-Paratia	-2.5	0
Stage 3-Paratia	-2.7	0
Stage 3-Paratia	-2.9	0
Stage 3-Paratia	-3.1	0
Stage 3-Paratia	-3.3	0
Stage 3-Paratia	-3.5	0
Stage 3-Paratia	-3.7	0
Stage 3-Paratia	-3.9	0
Stage 3-Paratia	-4.1	0
Stage 3-Paratia	-4.3	0
Stage 3-Paratia	-4.5	0.01
Stage 3-Paratia	-4.7	0.02
Stage 3-Paratia	-4.9	0.02
Stage 3-Paratia	-5.1	0.02
Stage 3-Paratia	-5.3	0.02
Stage 3-Paratia	-5.5	0
Stage 3-Paratia	-5.7	0
Stage 3-Paratia	-5.9	0
Stage 3-Paratia	-6.1	0
Stage 3-Paratia	-6.3	0
Stage 3-Paratia	-6.5	0
Stage 3-Paratia	-6.7	0
Stage 3-Paratia	-6.9	0
Stage 3-Paratia	-7.1	0
Stage 3-Paratia	-7.3	0
Stage 3-Paratia	-7.5	0
Stage 3-Paratia	-7.7	0
Stage 3-Paratia	-7.9	0
Stage 3-Paratia	-8.1	0
Stage 3-Paratia	-8.3	0
Stage 3-Paratia	-8.5	0
Stage 3-Paratia	-8.7	0
Stage 3-Paratia	-8.9	0
Stage 3-Paratia	-9.1	0
Stage 3-Paratia	-9.3	0
Stage 3-Paratia	-9.5	0
Stage 3-Paratia	-9.7	0
Stage 3-Paratia	-9.9	0
Stage 3-Paratia	-10.1	0
Stage 3-Paratia	-10.3	0
Stage 3-Paratia	-10.5	0
Stage 3-Paratia	-10.7	0
Stage 3-Paratia	-10.9	0
Stage 3-Paratia	-11.1	0
Stage 3-Paratia	-11.3	0
Stage 3-Paratia	-11.5	0
Stage 3-Paratia	-11.7	0
Stage 3-Paratia	-11.9	0
Stage 3-Paratia	-12.1	0
Stage 3-Paratia	-12.3	0
Stage 3-Paratia	-12.5	0
Stage 3-Paratia	-12.7	0
Stage 3-Paratia	-12.9	0
Stage 3-Paratia	-13.1	0
Stage 3-Paratia	-13.3	0

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 3-Paratia	-13.5	0
Stage 3-Paratia	-13.7	0
Stage 3-Paratia	-13.9	0
Stage 3-Paratia	-14.1	0
Stage 3-Paratia	-14.3	0
Stage 3-Paratia	-14.5	0
Stage 3-Paratia	-14.7	0
Stage 3-Paratia	-14.9	0
Stage 3-Paratia	-15.1	0
Stage 3-Paratia	-15.3	0
Stage 3-Paratia	-15.5	0
Stage 3-Paratia	-15.7	0
Stage 3-Paratia	-15.9	0
Stage 3-Paratia	-16.1	0
Stage 3-Paratia	-16.3	0
Stage 3-Paratia	-16.5	0
Stage 3-Paratia	-16.7	0
Stage 3-Paratia	-16.9	0
Stage 3-Paratia	-17.1	0
Stage 3-Paratia	-17.3	0
Stage 3-Paratia	-17.5	0
Stage 3-Paratia	-17.7	0
Stage 3-Paratia	-17.9	0
Stage 3-Paratia	-18.1	0
Stage 3-Paratia	-18.3	0
Stage 3-Paratia	-18.5	0
Stage 3-Paratia	-18.7	0
Stage 3-Paratia	-18.9	0
Stage 3-Paratia	-19.1	0
Stage 3-Paratia	-19.3	0

5.1.4. Tabella Spostamento Nominal - LEFT Stage: Stage 4-Scavo H=2m

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 4-Scavo H=2m	-0.1	0.22
Stage 4-Scavo H=2m	-0.3	0.22
Stage 4-Scavo H=2m	-0.5	0.21
Stage 4-Scavo H=2m	-0.7	0.2
Stage 4-Scavo H=2m	-0.9	0.2
Stage 4-Scavo H=2m	-1.1	0.19
Stage 4-Scavo H=2m	-1.3	0.18
Stage 4-Scavo H=2m	-1.5	0.18
Stage 4-Scavo H=2m	-1.7	0.17
Stage 4-Scavo H=2m	-1.9	0.16
Stage 4-Scavo H=2m	-2.1	0.16
Stage 4-Scavo H=2m	-2.3	0.15
Stage 4-Scavo H=2m	-2.5	0.14
Stage 4-Scavo H=2m	-2.7	0.14
Stage 4-Scavo H=2m	-2.9	0.13
Stage 4-Scavo H=2m	-3.1	0.12
Stage 4-Scavo H=2m	-3.3	0.12
Stage 4-Scavo H=2m	-3.5	0.11
Stage 4-Scavo H=2m	-3.7	0.1
Stage 4-Scavo H=2m	-3.9	0.1
Stage 4-Scavo H=2m	-4.1	0.09
Stage 4-Scavo H=2m	-4.3	0.09
Stage 4-Scavo H=2m	-4.5	0.09
Stage 4-Scavo H=2m	-4.7	0.1
Stage 4-Scavo H=2m	-4.9	0.09
Stage 4-Scavo H=2m	-5.1	0.09
Stage 4-Scavo H=2m	-5.3	0.08
Stage 4-Scavo H=2m	-5.5	0.06
Stage 4-Scavo H=2m	-5.7	0.05
Stage 4-Scavo H=2m	-5.9	0.05
Stage 4-Scavo H=2m	-6.1	0.04
Stage 4-Scavo H=2m	-6.3	0.04
Stage 4-Scavo H=2m	-6.5	0.04
Stage 4-Scavo H=2m	-6.7	0.03
Stage 4-Scavo H=2m	-6.9	0.03
Stage 4-Scavo H=2m	-7.1	0.03
Stage 4-Scavo H=2m	-7.3	0.03
Stage 4-Scavo H=2m	-7.5	0.02
Stage 4-Scavo H=2m	-7.7	0.02
Stage 4-Scavo H=2m	-7.9	0.02
Stage 4-Scavo H=2m	-8.1	0.02
Stage 4-Scavo H=2m	-8.3	0.02
Stage 4-Scavo H=2m	-8.5	0.02
Stage 4-Scavo H=2m	-8.7	0.02
Stage 4-Scavo H=2m	-8.9	0.02
Stage 4-Scavo H=2m	-9.1	0.02
Stage 4-Scavo H=2m	-9.3	0.01
Stage 4-Scavo H=2m	-9.5	0.01
Stage 4-Scavo H=2m	-9.7	0.01
Stage 4-Scavo H=2m	-9.9	0.01
Stage 4-Scavo H=2m	-10.1	0.01
Stage 4-Scavo H=2m	-10.3	0.01
Stage 4-Scavo H=2m	-10.5	0.01
Stage 4-Scavo H=2m	-10.7	0.01
Stage 4-Scavo H=2m	-10.9	0.01
Stage 4-Scavo H=2m	-11.1	0.01
Stage 4-Scavo H=2m	-11.3	0.01
Stage 4-Scavo H=2m	-11.5	0.01
Stage 4-Scavo H=2m	-11.7	0.01
Stage 4-Scavo H=2m	-11.9	0.01
Stage 4-Scavo H=2m	-12.1	0.02
Stage 4-Scavo H=2m	-12.3	0.02
Stage 4-Scavo H=2m	-12.5	0.02
Stage 4-Scavo H=2m	-12.7	0.02
Stage 4-Scavo H=2m	-12.9	0.02
Stage 4-Scavo H=2m	-13.1	0.02
Stage 4-Scavo H=2m	-13.3	0.02

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 4-Scavo H=2m	-13.5	0.02
Stage 4-Scavo H=2m	-13.7	0.02
Stage 4-Scavo H=2m	-13.9	0.02
Stage 4-Scavo H=2m	-14.1	0.02
Stage 4-Scavo H=2m	-14.3	0.02
Stage 4-Scavo H=2m	-14.5	0.02
Stage 4-Scavo H=2m	-14.7	0.02
Stage 4-Scavo H=2m	-14.9	0.02
Stage 4-Scavo H=2m	-15.1	0.02
Stage 4-Scavo H=2m	-15.3	0.02
Stage 4-Scavo H=2m	-15.5	0.02
Stage 4-Scavo H=2m	-15.7	0.02
Stage 4-Scavo H=2m	-15.9	0.02
Stage 4-Scavo H=2m	-16.1	0.02
Stage 4-Scavo H=2m	-16.3	0.02
Stage 4-Scavo H=2m	-16.5	0.02
Stage 4-Scavo H=2m	-16.7	0.02
Stage 4-Scavo H=2m	-16.9	0.02
Stage 4-Scavo H=2m	-17.1	0.02
Stage 4-Scavo H=2m	-17.3	0.02
Stage 4-Scavo H=2m	-17.5	0.02
Stage 4-Scavo H=2m	-17.7	0.02
Stage 4-Scavo H=2m	-17.9	0.02
Stage 4-Scavo H=2m	-18.1	0.02
Stage 4-Scavo H=2m	-18.3	0.02
Stage 4-Scavo H=2m	-18.5	0.02
Stage 4-Scavo H=2m	-18.7	0.02
Stage 4-Scavo H=2m	-18.9	0.02
Stage 4-Scavo H=2m	-19.1	0.02
Stage 4-Scavo H=2m	-19.3	0.02

5.1.5. Tabella Spostamento Nominal - LEFT Stage: Stage 5-Scavo H=4m

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 5-Scavo H=4m	-0.1	0.85
Stage 5-Scavo H=4m	-0.3	0.83
Stage 5-Scavo H=4m	-0.5	0.81
Stage 5-Scavo H=4m	-0.7	0.79
Stage 5-Scavo H=4m	-0.9	0.77
Stage 5-Scavo H=4m	-1.1	0.75
Stage 5-Scavo H=4m	-1.3	0.73
Stage 5-Scavo H=4m	-1.5	0.7
Stage 5-Scavo H=4m	-1.7	0.68
Stage 5-Scavo H=4m	-1.9	0.66
Stage 5-Scavo H=4m	-2.1	0.64
Stage 5-Scavo H=4m	-2.3	0.62
Stage 5-Scavo H=4m	-2.5	0.6
Stage 5-Scavo H=4m	-2.7	0.58
Stage 5-Scavo H=4m	-2.9	0.56
Stage 5-Scavo H=4m	-3.1	0.54
Stage 5-Scavo H=4m	-3.3	0.52
Stage 5-Scavo H=4m	-3.5	0.5
Stage 5-Scavo H=4m	-3.7	0.48
Stage 5-Scavo H=4m	-3.9	0.46
Stage 5-Scavo H=4m	-4.1	0.44
Stage 5-Scavo H=4m	-4.3	0.41
Stage 5-Scavo H=4m	-4.5	0.41
Stage 5-Scavo H=4m	-4.7	0.4
Stage 5-Scavo H=4m	-4.9	0.38
Stage 5-Scavo H=4m	-5.1	0.36
Stage 5-Scavo H=4m	-5.3	0.34
Stage 5-Scavo H=4m	-5.5	0.3
Stage 5-Scavo H=4m	-5.7	0.28
Stage 5-Scavo H=4m	-5.9	0.27
Stage 5-Scavo H=4m	-6.1	0.25
Stage 5-Scavo H=4m	-6.3	0.23
Stage 5-Scavo H=4m	-6.5	0.22
Stage 5-Scavo H=4m	-6.7	0.2
Stage 5-Scavo H=4m	-6.9	0.19
Stage 5-Scavo H=4m	-7.1	0.18
Stage 5-Scavo H=4m	-7.3	0.16
Stage 5-Scavo H=4m	-7.5	0.15
Stage 5-Scavo H=4m	-7.7	0.14
Stage 5-Scavo H=4m	-7.9	0.13
Stage 5-Scavo H=4m	-8.1	0.12
Stage 5-Scavo H=4m	-8.3	0.11
Stage 5-Scavo H=4m	-8.5	0.1
Stage 5-Scavo H=4m	-8.7	0.1
Stage 5-Scavo H=4m	-8.9	0.09
Stage 5-Scavo H=4m	-9.1	0.08
Stage 5-Scavo H=4m	-9.3	0.08
Stage 5-Scavo H=4m	-9.5	0.07
Stage 5-Scavo H=4m	-9.7	0.07
Stage 5-Scavo H=4m	-9.9	0.06
Stage 5-Scavo H=4m	-10.1	0.06
Stage 5-Scavo H=4m	-10.3	0.06
Stage 5-Scavo H=4m	-10.5	0.05
Stage 5-Scavo H=4m	-10.7	0.05
Stage 5-Scavo H=4m	-10.9	0.05
Stage 5-Scavo H=4m	-11.1	0.05
Stage 5-Scavo H=4m	-11.3	0.05
Stage 5-Scavo H=4m	-11.5	0.04
Stage 5-Scavo H=4m	-11.7	0.04
Stage 5-Scavo H=4m	-11.9	0.04
Stage 5-Scavo H=4m	-12.1	0.04
Stage 5-Scavo H=4m	-12.3	0.04
Stage 5-Scavo H=4m	-12.5	0.04
Stage 5-Scavo H=4m	-12.7	0.04
Stage 5-Scavo H=4m	-12.9	0.04
Stage 5-Scavo H=4m	-13.1	0.04
Stage 5-Scavo H=4m	-13.3	0.04

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 5-Scavo H=4m	-13.5	0.04
Stage 5-Scavo H=4m	-13.7	0.04
Stage 5-Scavo H=4m	-13.9	0.04
Stage 5-Scavo H=4m	-14.1	0.04
Stage 5-Scavo H=4m	-14.3	0.04
Stage 5-Scavo H=4m	-14.5	0.05
Stage 5-Scavo H=4m	-14.7	0.05
Stage 5-Scavo H=4m	-14.9	0.05
Stage 5-Scavo H=4m	-15.1	0.05
Stage 5-Scavo H=4m	-15.3	0.05
Stage 5-Scavo H=4m	-15.5	0.05
Stage 5-Scavo H=4m	-15.7	0.05
Stage 5-Scavo H=4m	-15.9	0.05
Stage 5-Scavo H=4m	-16.1	0.05
Stage 5-Scavo H=4m	-16.3	0.05
Stage 5-Scavo H=4m	-16.5	0.05
Stage 5-Scavo H=4m	-16.7	0.06
Stage 5-Scavo H=4m	-16.9	0.06
Stage 5-Scavo H=4m	-17.1	0.06
Stage 5-Scavo H=4m	-17.3	0.06
Stage 5-Scavo H=4m	-17.5	0.06
Stage 5-Scavo H=4m	-17.7	0.06
Stage 5-Scavo H=4m	-17.9	0.06
Stage 5-Scavo H=4m	-18.1	0.06
Stage 5-Scavo H=4m	-18.3	0.07
Stage 5-Scavo H=4m	-18.5	0.07
Stage 5-Scavo H=4m	-18.7	0.07
Stage 5-Scavo H=4m	-18.9	0.07
Stage 5-Scavo H=4m	-19.1	0.07
Stage 5-Scavo H=4m	-19.3	0.07

5.1.6. Tabella Spostamento Nominal - LEFT Stage: Stage 6-Scavo H=6.5m

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 6-Scavo H=6.5m	-0.1	5.87
Stage 6-Scavo H=6.5m	-0.3	5.76
Stage 6-Scavo H=6.5m	-0.5	5.66
Stage 6-Scavo H=6.5m	-0.7	5.55
Stage 6-Scavo H=6.5m	-0.9	5.45
Stage 6-Scavo H=6.5m	-1.1	5.34
Stage 6-Scavo H=6.5m	-1.3	5.23
Stage 6-Scavo H=6.5m	-1.5	5.13
Stage 6-Scavo H=6.5m	-1.7	5.02
Stage 6-Scavo H=6.5m	-1.9	4.91
Stage 6-Scavo H=6.5m	-2.1	4.81
Stage 6-Scavo H=6.5m	-2.3	4.7
Stage 6-Scavo H=6.5m	-2.5	4.59
Stage 6-Scavo H=6.5m	-2.7	4.49
Stage 6-Scavo H=6.5m	-2.9	4.38
Stage 6-Scavo H=6.5m	-3.1	4.28
Stage 6-Scavo H=6.5m	-3.3	4.17
Stage 6-Scavo H=6.5m	-3.5	4.06
Stage 6-Scavo H=6.5m	-3.7	3.96
Stage 6-Scavo H=6.5m	-3.9	3.85
Stage 6-Scavo H=6.5m	-4.1	3.75
Stage 6-Scavo H=6.5m	-4.3	3.64
Stage 6-Scavo H=6.5m	-4.5	3.55
Stage 6-Scavo H=6.5m	-4.7	3.45
Stage 6-Scavo H=6.5m	-4.9	3.35
Stage 6-Scavo H=6.5m	-5.1	3.24
Stage 6-Scavo H=6.5m	-5.3	3.14
Stage 6-Scavo H=6.5m	-5.5	3.01
Stage 6-Scavo H=6.5m	-5.7	2.91
Stage 6-Scavo H=6.5m	-5.9	2.81
Stage 6-Scavo H=6.5m	-6.1	2.7
Stage 6-Scavo H=6.5m	-6.3	2.6
Stage 6-Scavo H=6.5m	-6.5	2.5
Stage 6-Scavo H=6.5m	-6.7	2.4
Stage 6-Scavo H=6.5m	-6.9	2.3
Stage 6-Scavo H=6.5m	-7.1	2.21
Stage 6-Scavo H=6.5m	-7.3	2.11
Stage 6-Scavo H=6.5m	-7.5	2.02
Stage 6-Scavo H=6.5m	-7.7	1.93
Stage 6-Scavo H=6.5m	-7.9	1.84
Stage 6-Scavo H=6.5m	-8.1	1.75
Stage 6-Scavo H=6.5m	-8.3	1.67
Stage 6-Scavo H=6.5m	-8.5	1.58
Stage 6-Scavo H=6.5m	-8.7	1.5
Stage 6-Scavo H=6.5m	-8.9	1.42
Stage 6-Scavo H=6.5m	-9.1	1.35
Stage 6-Scavo H=6.5m	-9.3	1.28
Stage 6-Scavo H=6.5m	-9.5	1.21
Stage 6-Scavo H=6.5m	-9.7	1.14
Stage 6-Scavo H=6.5m	-9.9	1.07
Stage 6-Scavo H=6.5m	-10.1	1.01
Stage 6-Scavo H=6.5m	-10.3	0.95
Stage 6-Scavo H=6.5m	-10.5	0.89
Stage 6-Scavo H=6.5m	-10.7	0.84
Stage 6-Scavo H=6.5m	-10.9	0.79
Stage 6-Scavo H=6.5m	-11.1	0.74
Stage 6-Scavo H=6.5m	-11.3	0.69
Stage 6-Scavo H=6.5m	-11.5	0.65
Stage 6-Scavo H=6.5m	-11.7	0.6
Stage 6-Scavo H=6.5m	-11.9	0.56
Stage 6-Scavo H=6.5m	-12.1	0.53
Stage 6-Scavo H=6.5m	-12.3	0.49
Stage 6-Scavo H=6.5m	-12.5	0.46
Stage 6-Scavo H=6.5m	-12.7	0.43
Stage 6-Scavo H=6.5m	-12.9	0.4
Stage 6-Scavo H=6.5m	-13.1	0.37
Stage 6-Scavo H=6.5m	-13.3	0.35

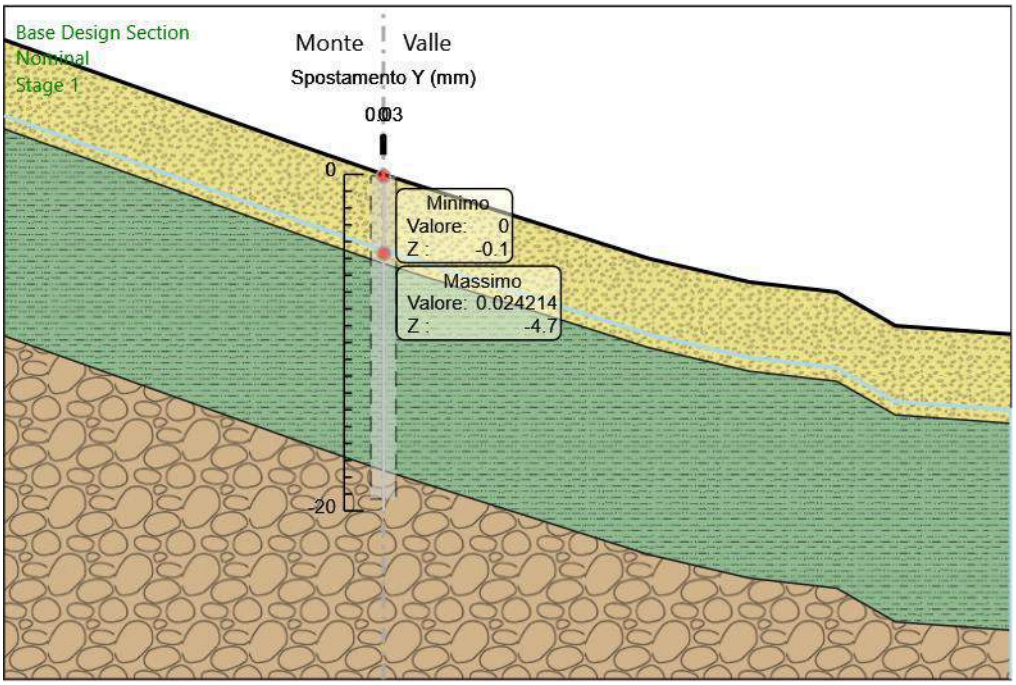
Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 6-Scavo H=6.5m	-13.5	0.32
Stage 6-Scavo H=6.5m	-13.7	0.3
Stage 6-Scavo H=6.5m	-13.9	0.28
Stage 6-Scavo H=6.5m	-14.1	0.26
Stage 6-Scavo H=6.5m	-14.3	0.25
Stage 6-Scavo H=6.5m	-14.5	0.23
Stage 6-Scavo H=6.5m	-14.7	0.22
Stage 6-Scavo H=6.5m	-14.9	0.2
Stage 6-Scavo H=6.5m	-15.1	0.19
Stage 6-Scavo H=6.5m	-15.3	0.18
Stage 6-Scavo H=6.5m	-15.5	0.17
Stage 6-Scavo H=6.5m	-15.7	0.16
Stage 6-Scavo H=6.5m	-15.9	0.15
Stage 6-Scavo H=6.5m	-16.1	0.15
Stage 6-Scavo H=6.5m	-16.3	0.14
Stage 6-Scavo H=6.5m	-16.5	0.13
Stage 6-Scavo H=6.5m	-16.7	0.13
Stage 6-Scavo H=6.5m	-16.9	0.12
Stage 6-Scavo H=6.5m	-17.1	0.12
Stage 6-Scavo H=6.5m	-17.3	0.12
Stage 6-Scavo H=6.5m	-17.5	0.11
Stage 6-Scavo H=6.5m	-17.7	0.11
Stage 6-Scavo H=6.5m	-17.9	0.1
Stage 6-Scavo H=6.5m	-18.1	0.1
Stage 6-Scavo H=6.5m	-18.3	0.1
Stage 6-Scavo H=6.5m	-18.5	0.1
Stage 6-Scavo H=6.5m	-18.7	0.09
Stage 6-Scavo H=6.5m	-18.9	0.09
Stage 6-Scavo H=6.5m	-19.1	0.09
Stage 6-Scavo H=6.5m	-19.3	0.08

5.1.7. Tabella Spostamento Nominal - LEFT Stage: Sismica

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Sismica	-0.1	10.29
Sismica	-0.3	10.1
Sismica	-0.5	9.91
Sismica	-0.7	9.72
Sismica	-0.9	9.53
Sismica	-1.1	9.34
Sismica	-1.3	9.15
Sismica	-1.5	8.96
Sismica	-1.7	8.77
Sismica	-1.9	8.58
Sismica	-2.1	8.39
Sismica	-2.3	8.2
Sismica	-2.5	8.01
Sismica	-2.7	7.82
Sismica	-2.9	7.63
Sismica	-3.1	7.44
Sismica	-3.3	7.26
Sismica	-3.5	7.07
Sismica	-3.7	6.88
Sismica	-3.9	6.69
Sismica	-4.1	6.5
Sismica	-4.3	6.32
Sismica	-4.5	6.14
Sismica	-4.7	5.97
Sismica	-4.9	5.78
Sismica	-5.1	5.6
Sismica	-5.3	5.42
Sismica	-5.5	5.21
Sismica	-5.7	5.03
Sismica	-5.9	4.85
Sismica	-6.1	4.68
Sismica	-6.3	4.5
Sismica	-6.5	4.32
Sismica	-6.7	4.15
Sismica	-6.9	3.98
Sismica	-7.1	3.81
Sismica	-7.3	3.65
Sismica	-7.5	3.49
Sismica	-7.7	3.33
Sismica	-7.9	3.17
Sismica	-8.1	3.02
Sismica	-8.3	2.87
Sismica	-8.5	2.72
Sismica	-8.7	2.58
Sismica	-8.9	2.44
Sismica	-9.1	2.31
Sismica	-9.3	2.18
Sismica	-9.5	2.06
Sismica	-9.7	1.94
Sismica	-9.9	1.82
Sismica	-10.1	1.71
Sismica	-10.3	1.6
Sismica	-10.5	1.5
Sismica	-10.7	1.4
Sismica	-10.9	1.31
Sismica	-11.1	1.22
Sismica	-11.3	1.13
Sismica	-11.5	1.05
Sismica	-11.7	0.98
Sismica	-11.9	0.9
Sismica	-12.1	0.84
Sismica	-12.3	0.77
Sismica	-12.5	0.71
Sismica	-12.7	0.65
Sismica	-12.9	0.6
Sismica	-13.1	0.55
Sismica	-13.3	0.5

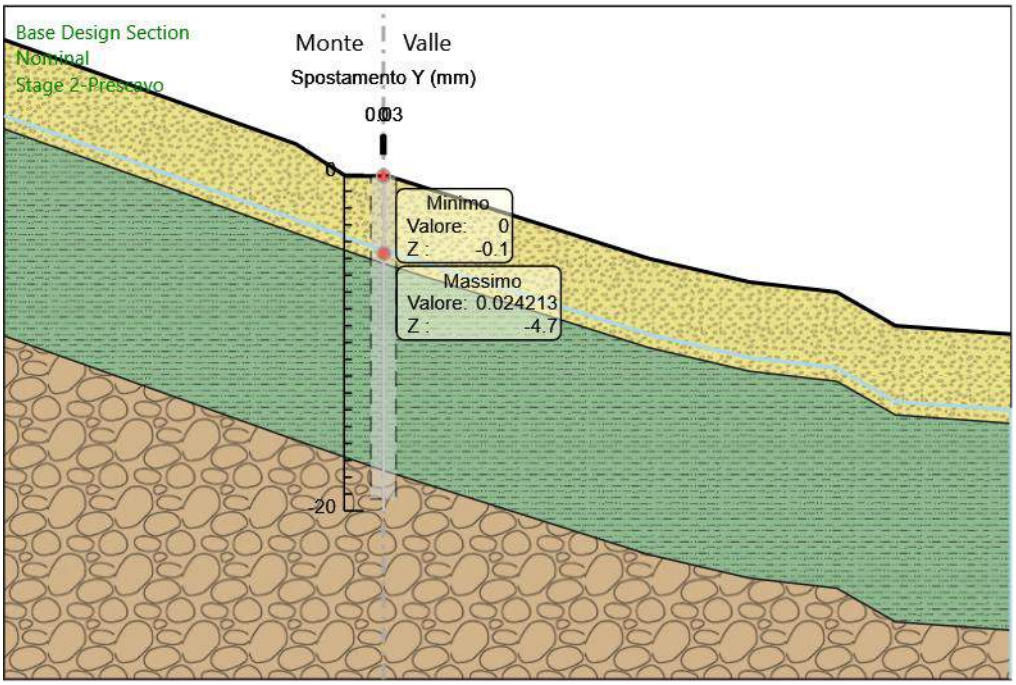
Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Sismica	-13.5	0.46
Sismica	-13.7	0.42
Sismica	-13.9	0.38
Sismica	-14.1	0.34
Sismica	-14.3	0.31
Sismica	-14.5	0.28
Sismica	-14.7	0.25
Sismica	-14.9	0.23
Sismica	-15.1	0.2
Sismica	-15.3	0.18
Sismica	-15.5	0.16
Sismica	-15.7	0.14
Sismica	-15.9	0.12
Sismica	-16.1	0.11
Sismica	-16.3	0.09
Sismica	-16.5	0.08
Sismica	-16.7	0.07
Sismica	-16.9	0.05
Sismica	-17.1	0.04
Sismica	-17.3	0.03
Sismica	-17.5	0.02
Sismica	-17.7	0.01
Sismica	-17.9	0
Sismica	-18.1	-0.01
Sismica	-18.3	-0.01
Sismica	-18.5	-0.02
Sismica	-18.7	-0.03
Sismica	-18.9	-0.04
Sismica	-19.1	-0.05
Sismica	-19.3	-0.06

5.1.8. Grafico Spostamento orizzontale Nominal - Stage: Stage 1



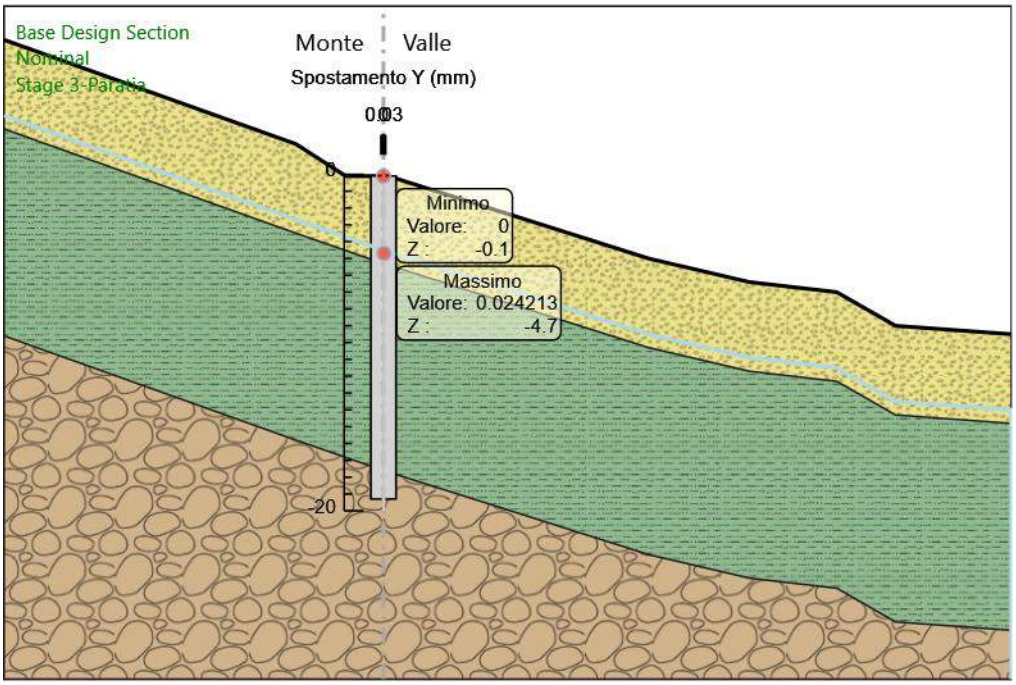
Design Assumption: Nominal
Stage: Stage 1
Spostamento orizzontale

5.1.9. Grafico Spostamento orizzontale Nominal - Stage: Stage 2-Prescavo



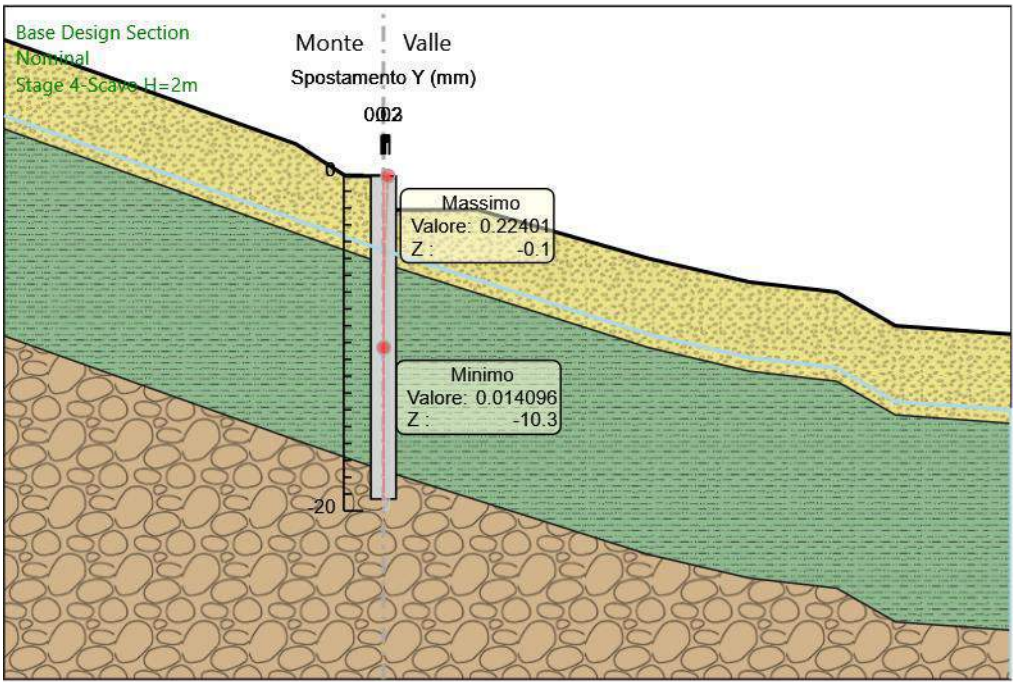
Design Assumption: Nominal
Stage: Stage 2-Prescavo
Spostamento orizzontale

5.1.10. Grafico Spostamento orizzontale Nominal - Stage: Stage 3-Paratia



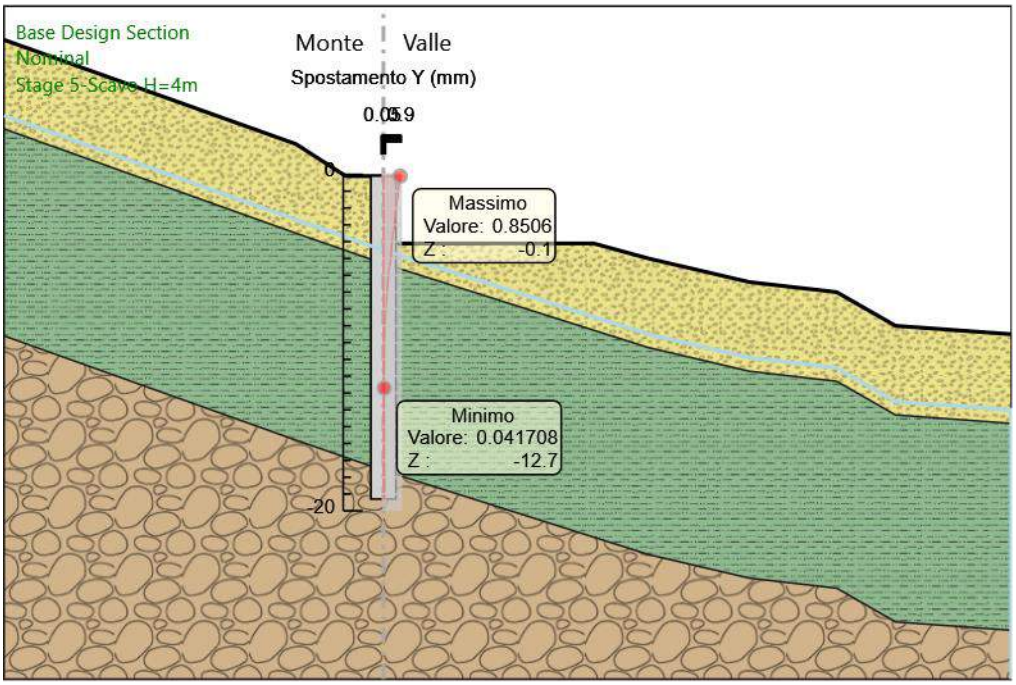
Design Assumption: Nominal
Stage: Stage 3-Paratia
Spostamento orizzontale

5.1.11. Grafico Spostamento orizzontale Nominal - Stage: Stage 4-Scavo H=2m



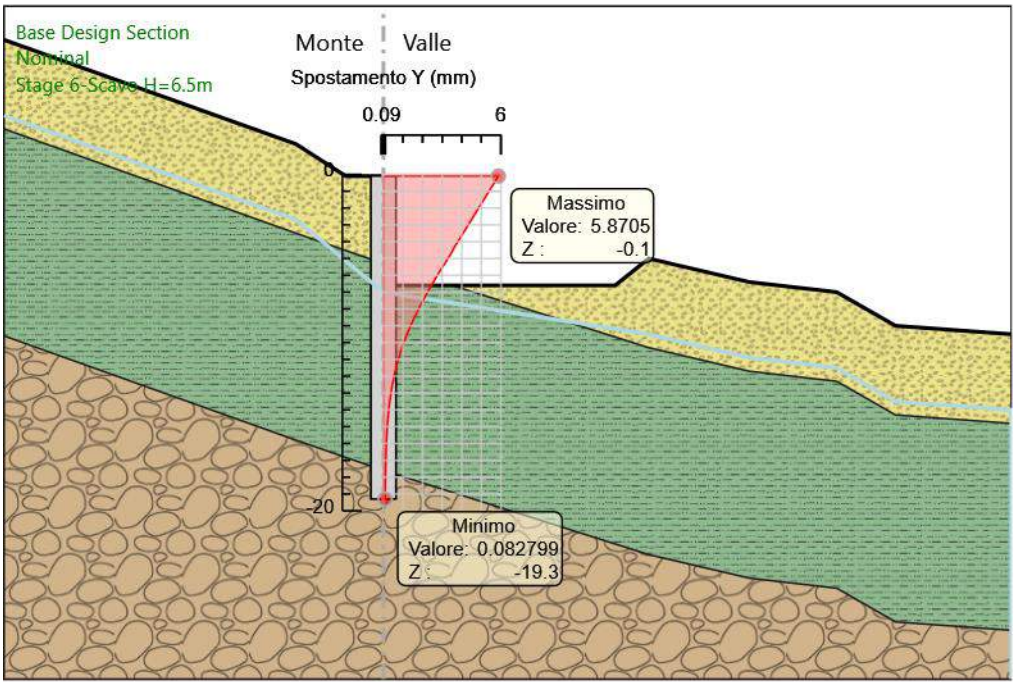
Design Assumption: Nominal
Stage: Stage 4-Scavo H=2m
Spostamento orizzontale

5.1.12. Grafico Spostamento orizzontale Nominal - Stage: Stage 5-Scavo H=4m



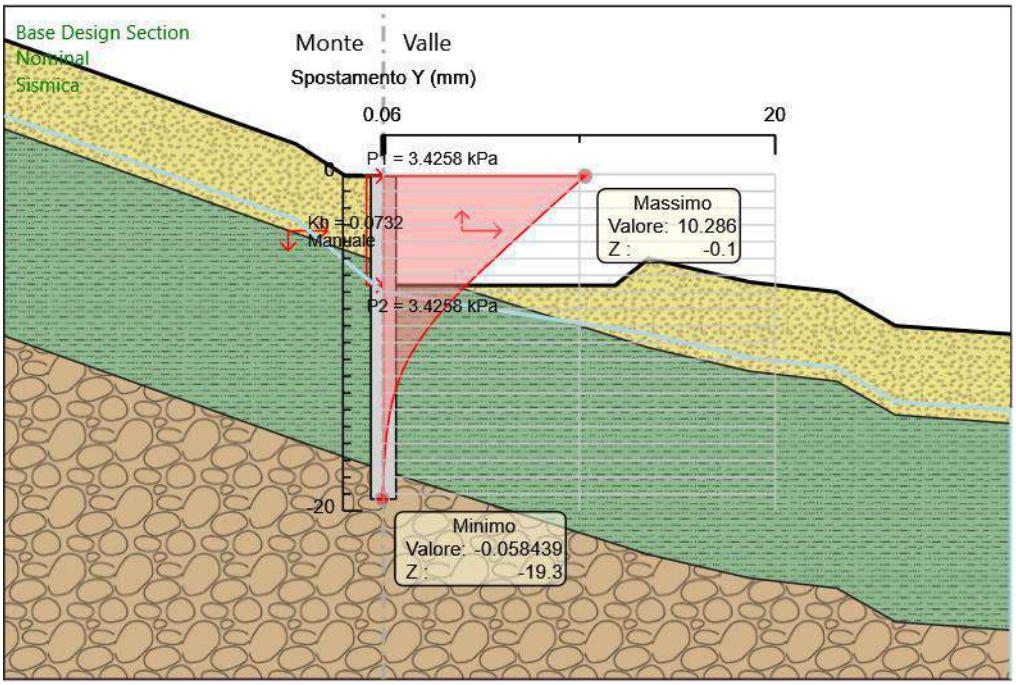
Design Assumption: Nominal
Stage: Stage 5-Scavo H=4m
Spostamento orizzontale

5.1.13. Grafico Spostamento orizzontale Nominal - Stage: Stage 6-Scavo H=6.5m



Design Assumption: Nominal
Stage: Stage 6-Scavo H=6.5m
Spostamento orizzontale

5.1.14. Grafico Spostamento orizzontale Nominal - Stage: Sismica



Design Assumption: Nominal
Stage: Sismica
Spostamento orizzontale

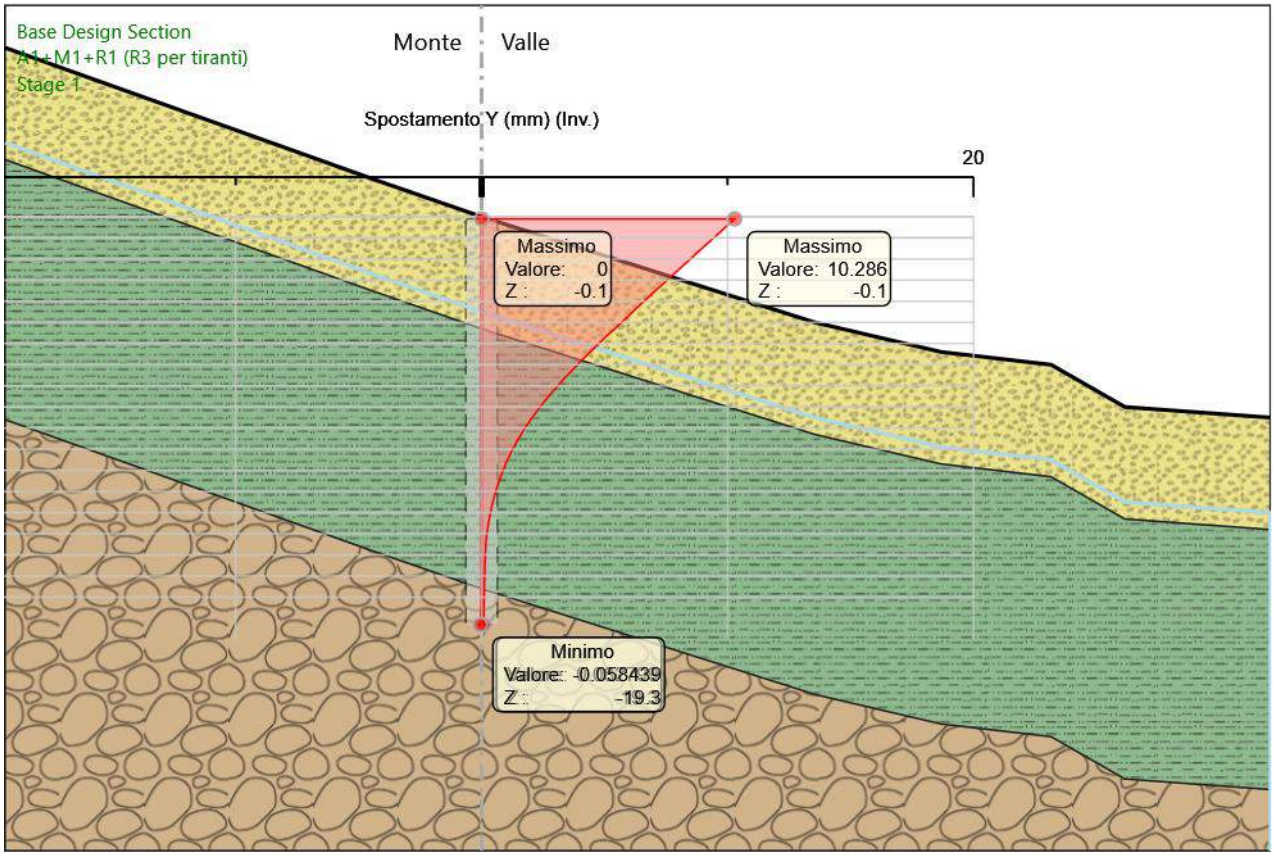
5.2. Inviluppi Spostamento Nominal

5.2.1. Tabella Inviluppi Spostamento orizzontale Nominal Left Wall

Selected Design Assumptions	Inviluppi: Spostamento orizzontale	Muro: LEFT
Z (m)	Lato sinistro (mm)	Lato destro (mm)
-0.1	0	10.29
-0.3	0	10.1
-0.5	0	9.91
-0.7	0	9.72
-0.9	0	9.53
-1.1	0	9.34
-1.3	0	9.15
-1.5	0	8.96
-1.7	0	8.77
-1.9	0	8.58
-2.1	0	8.39
-2.3	0	8.2
-2.5	0	8.01
-2.7	0	7.82
-2.9	0	7.63
-3.1	0	7.44
-3.3	0	7.26
-3.5	0	7.07
-3.7	0	6.88
-3.9	0	6.69
-4.1	0	6.5
-4.3	0	6.32
-4.5	0	6.14
-4.7	0	5.97
-4.9	0	5.78
-5.1	0	5.6
-5.3	0	5.42
-5.5	0	5.21
-5.7	0	5.03
-5.9	0	4.85
-6.1	0	4.68
-6.3	0	4.5
-6.5	0	4.32
-6.7	0	4.15
-6.9	0	3.98
-7.1	0	3.81
-7.3	0	3.65
-7.5	0	3.49
-7.7	0	3.33
-7.9	0	3.17
-8.1	0	3.02
-8.3	0	2.87
-8.5	0	2.72
-8.7	0	2.58
-8.9	0	2.44
-9.1	0	2.31
-9.3	0	2.18
-9.5	0	2.06
-9.7	0	1.94
-9.9	0	1.82
-10.1	0	1.71
-10.3	0	1.6
-10.5	0	1.5
-10.7	0	1.4
-10.9	0	1.31
-11.1	0	1.22
-11.3	0	1.13
-11.5	0	1.05
-11.7	0	0.98
-11.9	0	0.9
-12.1	0	0.84
-12.3	0	0.77
-12.5	0	0.71
-12.7	0	0.65

Selected Design Assumptions	Inviluppi: Spostamento orizzontale	Muro: LEFT
Z (m)	Lato sinistro (mm)	Lato destro (mm)
-12.9	0	0.6
-13.1	0	0.55
-13.3	0	0.5
-13.5	0	0.46
-13.7	0	0.42
-13.9	0	0.38
-14.1	0	0.34
-14.3	0	0.31
-14.5	0	0.28
-14.7	0	0.25
-14.9	0	0.23
-15.1	0	0.2
-15.3	0	0.18
-15.5	0	0.17
-15.7	0	0.16
-15.9	0	0.15
-16.1	0	0.15
-16.3	0	0.14
-16.5	0	0.13
-16.7	0	0.13
-16.9	0	0.12
-17.1	0	0.12
-17.3	0	0.12
-17.5	0	0.11
-17.7	0	0.11
-17.9	0	0.1
-18.1	-0.01	0.1
-18.3	-0.01	0.1
-18.5	-0.02	0.1
-18.7	-0.03	0.09
-18.9	-0.04	0.09
-19.1	-0.05	0.09
-19.3	-0.06	0.08

5.2.2. Grafico Inviluppi Spostamento



Spostamento

5.3. Risultati Paratia

5.3.1. 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	-0.1	0	0
Stage 1	-0.3	0	0
Stage 1	-0.5	0	0
Stage 1	-0.7	0	0
Stage 1	-0.9	0	0
Stage 1	-1.1	0	0
Stage 1	-1.3	0	0
Stage 1	-1.5	0	0
Stage 1	-1.7	0	0
Stage 1	-1.9	0	0
Stage 1	-2.1	0	0
Stage 1	-2.3	0	0
Stage 1	-2.5	0	0
Stage 1	-2.7	0	0
Stage 1	-2.9	0	0
Stage 1	-3.1	0	0
Stage 1	-3.3	0	0
Stage 1	-3.5	0	0
Stage 1	-3.7	0	0
Stage 1	-3.9	0	0
Stage 1	-4.1	0	0
Stage 1	-4.3	0	0
Stage 1	-4.5	0	0
Stage 1	-4.7	0	0
Stage 1	-4.9	0	0
Stage 1	-5.1	0	0
Stage 1	-5.3	0	0
Stage 1	-5.5	0	0
Stage 1	-5.7	0	0
Stage 1	-5.9	0	0
Stage 1	-6.1	0	0
Stage 1	-6.3	0	0
Stage 1	-6.5	0	0
Stage 1	-6.7	0	0
Stage 1	-6.9	0	0
Stage 1	-7.1	0	0
Stage 1	-7.3	0	0
Stage 1	-7.5	0	0
Stage 1	-7.7	0	0
Stage 1	-7.9	0	0
Stage 1	-8.1	0	0
Stage 1	-8.3	0	0
Stage 1	-8.5	0	0
Stage 1	-8.7	0	0
Stage 1	-8.9	0	0
Stage 1	-9.1	0	0
Stage 1	-9.3	0	0
Stage 1	-9.5	0	0
Stage 1	-9.7	0	0
Stage 1	-9.9	0	0
Stage 1	-10.1	0	0
Stage 1	-10.3	0	0
Stage 1	-10.5	0	0
Stage 1	-10.7	0	0
Stage 1	-10.9	0	0
Stage 1	-11.1	0	0
Stage 1	-11.3	0	0
Stage 1	-11.5	0	0
Stage 1	-11.7	0	0
Stage 1	-11.9	0	0
Stage 1	-12.1	0	0
Stage 1	-12.3	0	0
Stage 1	-12.5	0	0
Stage 1	-12.7	0	0

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	-12.9	0	0
Stage 1	-13.1	0	0
Stage 1	-13.3	0	0
Stage 1	-13.5	0	0
Stage 1	-13.7	0	0
Stage 1	-13.9	0	0
Stage 1	-14.1	0	0
Stage 1	-14.3	0	0
Stage 1	-14.5	0	0
Stage 1	-14.7	0	0
Stage 1	-14.9	0	0
Stage 1	-15.1	0	0
Stage 1	-15.3	0	0
Stage 1	-15.5	0	0
Stage 1	-15.7	0	0
Stage 1	-15.9	0	0
Stage 1	-16.1	0	0
Stage 1	-16.3	0	0
Stage 1	-16.5	0	0
Stage 1	-16.7	0	0
Stage 1	-16.9	0	0
Stage 1	-17.1	0	0
Stage 1	-17.3	0	0
Stage 1	-17.5	0	0
Stage 1	-17.7	0	0
Stage 1	-17.9	0	0
Stage 1	-18.1	0	0
Stage 1	-18.3	0	0
Stage 1	-18.5	0	0
Stage 1	-18.7	0	0
Stage 1	-18.9	0	0
Stage 1	-19.1	0	0
Stage 1	-19.3	0	0

5.3.2. Tabella Risultati Paratia Nominal - Stage: Stage 2-Prescavo

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2-Prescavo	-0.1	0	0
Stage 2-Prescavo	-0.3	0	0
Stage 2-Prescavo	-0.5	0	0
Stage 2-Prescavo	-0.7	0	0
Stage 2-Prescavo	-0.9	0	0
Stage 2-Prescavo	-1.1	0	0
Stage 2-Prescavo	-1.3	0	0
Stage 2-Prescavo	-1.5	0	0
Stage 2-Prescavo	-1.7	0	0
Stage 2-Prescavo	-1.9	0	0
Stage 2-Prescavo	-2.1	0	0
Stage 2-Prescavo	-2.3	0	0
Stage 2-Prescavo	-2.5	0	0
Stage 2-Prescavo	-2.7	0	0
Stage 2-Prescavo	-2.9	0	0
Stage 2-Prescavo	-3.1	0	0
Stage 2-Prescavo	-3.3	0	0
Stage 2-Prescavo	-3.5	0	0
Stage 2-Prescavo	-3.7	0	0
Stage 2-Prescavo	-3.9	0	0
Stage 2-Prescavo	-4.1	0	0
Stage 2-Prescavo	-4.3	0	0
Stage 2-Prescavo	-4.5	0	0
Stage 2-Prescavo	-4.7	0	0
Stage 2-Prescavo	-4.9	0	0
Stage 2-Prescavo	-5.1	0	0
Stage 2-Prescavo	-5.3	0	0
Stage 2-Prescavo	-5.5	0	0
Stage 2-Prescavo	-5.7	0	0
Stage 2-Prescavo	-5.9	0	0
Stage 2-Prescavo	-6.1	0	0
Stage 2-Prescavo	-6.3	0	0
Stage 2-Prescavo	-6.5	0	0
Stage 2-Prescavo	-6.7	0	0
Stage 2-Prescavo	-6.9	0	0
Stage 2-Prescavo	-7.1	0	0
Stage 2-Prescavo	-7.3	0	0
Stage 2-Prescavo	-7.5	0	0
Stage 2-Prescavo	-7.7	0	0
Stage 2-Prescavo	-7.9	0	0
Stage 2-Prescavo	-8.1	0	0
Stage 2-Prescavo	-8.3	0	0
Stage 2-Prescavo	-8.5	0	0
Stage 2-Prescavo	-8.7	0	0
Stage 2-Prescavo	-8.9	0	0
Stage 2-Prescavo	-9.1	0	0
Stage 2-Prescavo	-9.3	0	0
Stage 2-Prescavo	-9.5	0	0
Stage 2-Prescavo	-9.7	0	0
Stage 2-Prescavo	-9.9	0	0
Stage 2-Prescavo	-10.1	0	0
Stage 2-Prescavo	-10.3	0	0
Stage 2-Prescavo	-10.5	0	0
Stage 2-Prescavo	-10.7	0	0
Stage 2-Prescavo	-10.9	0	0
Stage 2-Prescavo	-11.1	0	0
Stage 2-Prescavo	-11.3	0	0
Stage 2-Prescavo	-11.5	0	0
Stage 2-Prescavo	-11.7	0	0
Stage 2-Prescavo	-11.9	0	0
Stage 2-Prescavo	-12.1	0	0
Stage 2-Prescavo	-12.3	0	0
Stage 2-Prescavo	-12.5	0	0
Stage 2-Prescavo	-12.7	0	0
Stage 2-Prescavo	-12.9	0	0
Stage 2-Prescavo	-13.1	0	0
Stage 2-Prescavo	-13.3	0	0

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2-Prescavo	-13.5	0	0
Stage 2-Prescavo	-13.7	0	0
Stage 2-Prescavo	-13.9	0	0
Stage 2-Prescavo	-14.1	0	0
Stage 2-Prescavo	-14.3	0	0
Stage 2-Prescavo	-14.5	0	0
Stage 2-Prescavo	-14.7	0	0
Stage 2-Prescavo	-14.9	0	0
Stage 2-Prescavo	-15.1	0	0
Stage 2-Prescavo	-15.3	0	0
Stage 2-Prescavo	-15.5	0	0
Stage 2-Prescavo	-15.7	0	0
Stage 2-Prescavo	-15.9	0	0
Stage 2-Prescavo	-16.1	0	0
Stage 2-Prescavo	-16.3	0	0
Stage 2-Prescavo	-16.5	0	0
Stage 2-Prescavo	-16.7	0	0
Stage 2-Prescavo	-16.9	0	0
Stage 2-Prescavo	-17.1	0	0
Stage 2-Prescavo	-17.3	0	0
Stage 2-Prescavo	-17.5	0	0
Stage 2-Prescavo	-17.7	0	0
Stage 2-Prescavo	-17.9	0	0
Stage 2-Prescavo	-18.1	0	0
Stage 2-Prescavo	-18.3	0	0
Stage 2-Prescavo	-18.5	0	0
Stage 2-Prescavo	-18.7	0	0
Stage 2-Prescavo	-18.9	0	0
Stage 2-Prescavo	-19.1	0	0
Stage 2-Prescavo	-19.3	0	0

5.3.3. Tabella Risultati Paratia Nominal - Stage: Stage 3-Paratia

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-0.1	0	0
Stage 3-Paratia	-0.3	0	0
Stage 3-Paratia	-0.5	0	0
Stage 3-Paratia	-0.7	0	0
Stage 3-Paratia	-0.9	0	0
Stage 3-Paratia	-1.1	0	0
Stage 3-Paratia	-1.3	0	0
Stage 3-Paratia	-1.5	0	0
Stage 3-Paratia	-1.7	0	0
Stage 3-Paratia	-1.9	0	0
Stage 3-Paratia	-2.1	0	0
Stage 3-Paratia	-2.3	0	0
Stage 3-Paratia	-2.5	0	0
Stage 3-Paratia	-2.7	0	0
Stage 3-Paratia	-2.9	0	0
Stage 3-Paratia	-3.1	0	0
Stage 3-Paratia	-3.3	0	0
Stage 3-Paratia	-3.5	0	0
Stage 3-Paratia	-3.7	0	0
Stage 3-Paratia	-3.9	0	0
Stage 3-Paratia	-4.1	0	0
Stage 3-Paratia	-4.3	0	0
Stage 3-Paratia	-4.3	0	0
Stage 3-Paratia	-4.5	0	0
Stage 3-Paratia	-4.5	0	0
Stage 3-Paratia	-4.7	0	0
Stage 3-Paratia	-4.7	0	0
Stage 3-Paratia	-4.9	0	0
Stage 3-Paratia	-4.9	0	0
Stage 3-Paratia	-5.1	0	0
Stage 3-Paratia	-5.1	0	0
Stage 3-Paratia	-5.3	0	0
Stage 3-Paratia	-5.3	0	0
Stage 3-Paratia	-5.5	0	0
Stage 3-Paratia	-5.5	0	0
Stage 3-Paratia	-5.7	0	0
Stage 3-Paratia	-5.7	0	0
Stage 3-Paratia	-5.9	0	0
Stage 3-Paratia	-5.9	0	0
Stage 3-Paratia	-6.1	0	0
Stage 3-Paratia	-6.1	0	0
Stage 3-Paratia	-6.3	0	0
Stage 3-Paratia	-6.3	0	0
Stage 3-Paratia	-6.5	0	0
Stage 3-Paratia	-6.5	0	0
Stage 3-Paratia	-6.7	0	0
Stage 3-Paratia	-6.7	0	0
Stage 3-Paratia	-6.9	0	0
Stage 3-Paratia	-6.9	0	0
Stage 3-Paratia	-7.1	0	0
Stage 3-Paratia	-7.1	0	0
Stage 3-Paratia	-7.3	0	0
Stage 3-Paratia	-7.3	0	0
Stage 3-Paratia	-7.5	0	0
Stage 3-Paratia	-7.5	0	0
Stage 3-Paratia	-7.7	0	0
Stage 3-Paratia	-7.7	0	0
Stage 3-Paratia	-7.9	0	0
Stage 3-Paratia	-7.9	0	0
Stage 3-Paratia	-8.1	0	0
Stage 3-Paratia	-8.1	0	0
Stage 3-Paratia	-8.3	0	0
Stage 3-Paratia	-8.3	0	0
Stage 3-Paratia	-8.5	0	0
Stage 3-Paratia	-8.5	0	0
Stage 3-Paratia	-8.7	0	0
Stage 3-Paratia	-8.7	0	0

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-8.9	0	0
Stage 3-Paratia	-8.9	0	0
Stage 3-Paratia	-9.1	0	0
Stage 3-Paratia	-9.1	0	0
Stage 3-Paratia	-9.3	0	0
Stage 3-Paratia	-9.3	0	0
Stage 3-Paratia	-9.5	0	0
Stage 3-Paratia	-9.5	0	0
Stage 3-Paratia	-9.7	0	0
Stage 3-Paratia	-9.7	0	0
Stage 3-Paratia	-9.9	0	0
Stage 3-Paratia	-9.9	0	0
Stage 3-Paratia	-10.1	0	0
Stage 3-Paratia	-10.1	0	0
Stage 3-Paratia	-10.3	0	0
Stage 3-Paratia	-10.3	0	0
Stage 3-Paratia	-10.5	0	0
Stage 3-Paratia	-10.5	0	0
Stage 3-Paratia	-10.7	0	0
Stage 3-Paratia	-10.7	0	0
Stage 3-Paratia	-10.9	0	0
Stage 3-Paratia	-10.9	0	0
Stage 3-Paratia	-11.1	0	0
Stage 3-Paratia	-11.1	0	0
Stage 3-Paratia	-11.3	0	0
Stage 3-Paratia	-11.3	0	0
Stage 3-Paratia	-11.5	0	0
Stage 3-Paratia	-11.5	0	0
Stage 3-Paratia	-11.7	0	0
Stage 3-Paratia	-11.7	0	0
Stage 3-Paratia	-11.9	0	0
Stage 3-Paratia	-11.9	0	0
Stage 3-Paratia	-12.1	0	0
Stage 3-Paratia	-12.1	0	0
Stage 3-Paratia	-12.3	0	0
Stage 3-Paratia	-12.3	0	0
Stage 3-Paratia	-12.5	0	0
Stage 3-Paratia	-12.5	0	0
Stage 3-Paratia	-12.7	0	0
Stage 3-Paratia	-12.7	0	0
Stage 3-Paratia	-12.9	0	0
Stage 3-Paratia	-12.9	0	0
Stage 3-Paratia	-13.1	0	0
Stage 3-Paratia	-13.1	0	0
Stage 3-Paratia	-13.3	0	0
Stage 3-Paratia	-13.3	0	0
Stage 3-Paratia	-13.5	0	0
Stage 3-Paratia	-13.5	0	0
Stage 3-Paratia	-13.7	0	0
Stage 3-Paratia	-13.7	0	0
Stage 3-Paratia	-13.9	0	0
Stage 3-Paratia	-13.9	0	0
Stage 3-Paratia	-14.1	0	0
Stage 3-Paratia	-14.1	0	0
Stage 3-Paratia	-14.3	0	0
Stage 3-Paratia	-14.3	0	0
Stage 3-Paratia	-14.5	0	0
Stage 3-Paratia	-14.5	0	0
Stage 3-Paratia	-14.7	0	0
Stage 3-Paratia	-14.7	0	0
Stage 3-Paratia	-14.9	0	0
Stage 3-Paratia	-14.9	0	0
Stage 3-Paratia	-15.1	0	0
Stage 3-Paratia	-15.1	0	0
Stage 3-Paratia	-15.3	0	0
Stage 3-Paratia	-15.3	0	0
Stage 3-Paratia	-15.5	0	0
Stage 3-Paratia	-15.5	0	0
Stage 3-Paratia	-15.7	0	0
Stage 3-Paratia	-15.7	0	0
Stage 3-Paratia	-15.9	0	0

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-15.9	0	0
Stage 3-Paratia	-16.1	0	0
Stage 3-Paratia	-16.1	0	0
Stage 3-Paratia	-16.3	0	0
Stage 3-Paratia	-16.3	0	0
Stage 3-Paratia	-16.5	0	0
Stage 3-Paratia	-16.5	0	0
Stage 3-Paratia	-16.7	0	0
Stage 3-Paratia	-16.7	0	0
Stage 3-Paratia	-16.9	0	0
Stage 3-Paratia	-16.9	0	0
Stage 3-Paratia	-17.1	0	0
Stage 3-Paratia	-17.1	0	0
Stage 3-Paratia	-17.3	0	0
Stage 3-Paratia	-17.3	0	0
Stage 3-Paratia	-17.5	0	0
Stage 3-Paratia	-17.5	0	0
Stage 3-Paratia	-17.7	0	0
Stage 3-Paratia	-17.7	0	0
Stage 3-Paratia	-17.9	0	0
Stage 3-Paratia	-17.9	0	0
Stage 3-Paratia	-18.1	0	0
Stage 3-Paratia	-18.1	0	0
Stage 3-Paratia	-18.3	0	0
Stage 3-Paratia	-18.3	0	0
Stage 3-Paratia	-18.5	0	0
Stage 3-Paratia	-18.5	0	0
Stage 3-Paratia	-18.7	0	0
Stage 3-Paratia	-18.7	0	0
Stage 3-Paratia	-18.9	0	0
Stage 3-Paratia	-18.9	0	0
Stage 3-Paratia	-19.1	0	0
Stage 3-Paratia	-19.1	0	0
Stage 3-Paratia	-19.3	0	0

5.3.4. Tabella Risultati Paratia Nominal - Stage: Stage 4-Scavo H=2m

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=2m	-0.1	0	0
Stage 4-Scavo H=2m	-0.3	0	0
Stage 4-Scavo H=2m	-0.3	0	0
Stage 4-Scavo H=2m	-0.5	0	0
Stage 4-Scavo H=2m	-0.5	0	0
Stage 4-Scavo H=2m	-0.7	0	0
Stage 4-Scavo H=2m	-0.7	0	0
Stage 4-Scavo H=2m	-0.9	0	0
Stage 4-Scavo H=2m	-0.9	0	0
Stage 4-Scavo H=2m	-1.1	0	0
Stage 4-Scavo H=2m	-1.1	0	0
Stage 4-Scavo H=2m	-1.3	0	0.01
Stage 4-Scavo H=2m	-1.5	-0.08	-0.43
Stage 4-Scavo H=2m	-1.7	-0.35	-1.32
Stage 4-Scavo H=2m	-1.9	-0.88	-2.66
Stage 4-Scavo H=2m	-2.1	-1.77	-4.45
Stage 4-Scavo H=2m	-2.3	-3.11	-6.69
Stage 4-Scavo H=2m	-2.5	-4.48	-6.85
Stage 4-Scavo H=2m	-2.7	-5.86	-6.9
Stage 4-Scavo H=2m	-2.9	-7.24	-6.93
Stage 4-Scavo H=2m	-3.1	-8.64	-6.99
Stage 4-Scavo H=2m	-3.3	-10.06	-7.1
Stage 4-Scavo H=2m	-3.5	-11.52	-7.28
Stage 4-Scavo H=2m	-3.7	-13.03	-7.54
Stage 4-Scavo H=2m	-3.9	-14.6	-7.88
Stage 4-Scavo H=2m	-4.1	-16.26	-8.31
Stage 4-Scavo H=2m	-4.3	-18.03	-8.82
Stage 4-Scavo H=2m	-4.5	-19.91	-9.43
Stage 4-Scavo H=2m	-4.7	-21.94	-10.12
Stage 4-Scavo H=2m	-4.9	-24.12	-10.91
Stage 4-Scavo H=2m	-5.1	-26.48	-11.79
Stage 4-Scavo H=2m	-5.3	-29.03	-12.77
Stage 4-Scavo H=2m	-5.5	-31.8	-13.84
Stage 4-Scavo H=2m	-5.7	-33.91	-10.57
Stage 4-Scavo H=2m	-5.9	-35.39	-7.37
Stage 4-Scavo H=2m	-6.1	-36.24	-4.24
Stage 4-Scavo H=2m	-6.3	-36.47	-1.17
Stage 4-Scavo H=2m	-6.5	-36.18	1.44
Stage 4-Scavo H=2m	-6.7	-35.46	3.62
Stage 4-Scavo H=2m	-6.9	-34.38	5.41
Stage 4-Scavo H=2m	-7.1	-33.01	6.85
Stage 4-Scavo H=2m	-7.3	-31.41	7.97
Stage 4-Scavo H=2m	-7.5	-29.65	8.81
Stage 4-Scavo H=2m	-7.7	-27.77	9.41
Stage 4-Scavo H=2m	-7.9	-25.81	9.78
Stage 4-Scavo H=2m	-8.1	-23.82	9.97
Stage 4-Scavo H=2m	-8.3	-21.82	9.99
Stage 4-Scavo H=2m	-8.5	-19.84	9.88
Stage 4-Scavo H=2m	-8.7	-17.91	9.65
Stage 4-Scavo H=2m	-8.9	-16.05	9.33
Stage 4-Scavo H=2m	-9.1	-14.26	8.93
Stage 4-Scavo H=2m	-9.3	-12.56	8.48
Stage 4-Scavo H=2m	-9.5	-10.97	7.98
Stage 4-Scavo H=2m	-9.7	-9.48	7.44
Stage 4-Scavo H=2m	-9.9	-8.1	6.89
Stage 4-Scavo H=2m	-10.1	-6.84	6.33
Stage 4-Scavo H=2m	-10.3	-5.68	5.77
Stage 4-Scavo H=2m	-10.5	-4.64	5.21
Stage 4-Scavo H=2m	-10.7	-3.71	4.67
Stage 4-Scavo H=2m	-10.9	-2.88	4.14
Stage 4-Scavo H=2m	-11.1	-2.15	3.63
Stage 4-Scavo H=2m	-11.3	-1.52	3.15
Stage 4-Scavo H=2m	-11.5	-0.98	2.69
Stage 4-Scavo H=2m	-11.7	-0.53	2.26
Stage 4-Scavo H=2m	-11.9	-0.16	1.85
Stage 4-Scavo H=2m	-12.1	0.13	1.48
Stage 4-Scavo H=2m	-12.3	0.36	1.13

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=2m	-12.5	0.52	0.81
Stage 4-Scavo H=2m	-12.7	0.62	0.52
Stage 4-Scavo H=2m	-12.9	0.67	0.26
Stage 4-Scavo H=2m	-13.1	0.68	0.02
Stage 4-Scavo H=2m	-13.3	0.64	-0.19
Stage 4-Scavo H=2m	-13.5	0.57	-0.38
Stage 4-Scavo H=2m	-13.7	0.46	-0.54
Stage 4-Scavo H=2m	-13.9	0.32	-0.67
Stage 4-Scavo H=2m	-14.1	0.16	-0.79
Stage 4-Scavo H=2m	-14.3	-0.01	-0.88
Stage 4-Scavo H=2m	-14.5	-0.2	-0.95
Stage 4-Scavo H=2m	-14.7	-0.4	-0.99
Stage 4-Scavo H=2m	-14.9	-0.6	-1.01
Stage 4-Scavo H=2m	-15.1	-0.8	-1.01
Stage 4-Scavo H=2m	-15.3	-1	-0.99
Stage 4-Scavo H=2m	-15.5	-1.19	-0.94
Stage 4-Scavo H=2m	-15.7	-1.36	-0.86
Stage 4-Scavo H=2m	-15.9	-1.51	-0.76
Stage 4-Scavo H=2m	-16.1	-1.64	-0.63
Stage 4-Scavo H=2m	-16.3	-1.73	-0.47
Stage 4-Scavo H=2m	-16.5	-1.79	-0.28
Stage 4-Scavo H=2m	-16.7	-1.8	-0.05
Stage 4-Scavo H=2m	-16.9	-1.76	0.21
Stage 4-Scavo H=2m	-17.1	-1.65	0.51
Stage 4-Scavo H=2m	-17.3	-1.48	0.85
Stage 4-Scavo H=2m	-17.5	-1.24	1.22
Stage 4-Scavo H=2m	-17.7	-0.91	1.64
Stage 4-Scavo H=2m	-17.9	-0.64	1.33
Stage 4-Scavo H=2m	-18.1	-0.43	1.05
Stage 4-Scavo H=2m	-18.3	-0.27	0.8
Stage 4-Scavo H=2m	-18.5	-0.16	0.58
Stage 4-Scavo H=2m	-18.7	-0.08	0.4
Stage 4-Scavo H=2m	-18.9	-0.03	0.24
Stage 4-Scavo H=2m	-19.1	-0.01	0.12
Stage 4-Scavo H=2m	-19.3	0	0.03

5.3.5. Tabella Risultati Paratia Nominal - Stage: Stage 5-Scavo H=4m

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=4m	-0.1	0	0
Stage 5-Scavo H=4m	-0.3	0	0
Stage 5-Scavo H=4m	-0.3	0	0
Stage 5-Scavo H=4m	-0.5	0	0
Stage 5-Scavo H=4m	-0.5	0	0
Stage 5-Scavo H=4m	-0.7	0	0
Stage 5-Scavo H=4m	-0.7	0	0
Stage 5-Scavo H=4m	-0.9	0	0
Stage 5-Scavo H=4m	-0.9	0	0
Stage 5-Scavo H=4m	-1.1	0	0
Stage 5-Scavo H=4m	-1.1	0	0
Stage 5-Scavo H=4m	-1.3	0	0
Stage 5-Scavo H=4m	-1.3	0	0
Stage 5-Scavo H=4m	-1.5	0	0
Stage 5-Scavo H=4m	-1.5	0	0
Stage 5-Scavo H=4m	-1.7	0	0
Stage 5-Scavo H=4m	-1.7	0	0
Stage 5-Scavo H=4m	-1.9	0	0
Stage 5-Scavo H=4m	-1.9	0	0
Stage 5-Scavo H=4m	-2.1	-0.03	-0.17
Stage 5-Scavo H=4m	-2.3	-0.16	-0.64
Stage 5-Scavo H=4m	-2.5	-0.44	-1.4
Stage 5-Scavo H=4m	-2.7	-0.93	-2.46
Stage 5-Scavo H=4m	-2.9	-1.69	-3.81
Stage 5-Scavo H=4m	-3.1	-2.81	-5.59
Stage 5-Scavo H=4m	-3.3	-4.39	-7.89
Stage 5-Scavo H=4m	-3.5	-6.53	-10.72
Stage 5-Scavo H=4m	-3.7	-9.35	-14.06
Stage 5-Scavo H=4m	-3.9	-12.93	-17.94
Stage 5-Scavo H=4m	-4.1	-17.4	-22.33
Stage 5-Scavo H=4m	-4.3	-22.85	-27.24
Stage 5-Scavo H=4m	-4.5	-28.61	-28.81
Stage 5-Scavo H=4m	-4.7	-34.65	-30.21
Stage 5-Scavo H=4m	-4.9	-40.97	-31.6
Stage 5-Scavo H=4m	-5.1	-47.6	-33.14
Stage 5-Scavo H=4m	-5.3	-54.56	-34.82
Stage 5-Scavo H=4m	-5.5	-61.9	-36.66
Stage 5-Scavo H=4m	-5.7	-68.33	-32.16
Stage 5-Scavo H=4m	-5.9	-73.89	-27.83
Stage 5-Scavo H=4m	-6.1	-78.63	-23.68
Stage 5-Scavo H=4m	-6.3	-82.57	-19.69
Stage 5-Scavo H=4m	-6.5	-85.74	-15.86
Stage 5-Scavo H=4m	-6.7	-88.18	-12.18
Stage 5-Scavo H=4m	-6.9	-89.91	-8.64
Stage 5-Scavo H=4m	-7.1	-90.95	-5.24
Stage 5-Scavo H=4m	-7.3	-91.34	-1.96
Stage 5-Scavo H=4m	-7.5	-91.1	1.21
Stage 5-Scavo H=4m	-7.7	-90.28	4.12
Stage 5-Scavo H=4m	-7.9	-88.94	6.71
Stage 5-Scavo H=4m	-8.1	-87.13	9.01
Stage 5-Scavo H=4m	-8.3	-84.92	11.05
Stage 5-Scavo H=4m	-8.5	-82.36	12.84
Stage 5-Scavo H=4m	-8.7	-79.47	14.41
Stage 5-Scavo H=4m	-8.9	-76.32	15.78
Stage 5-Scavo H=4m	-9.1	-72.93	16.97
Stage 5-Scavo H=4m	-9.3	-69.32	18
Stage 5-Scavo H=4m	-9.5	-65.55	18.87
Stage 5-Scavo H=4m	-9.7	-61.67	19.41
Stage 5-Scavo H=4m	-9.9	-57.74	19.67
Stage 5-Scavo H=4m	-10.1	-53.8	19.68
Stage 5-Scavo H=4m	-10.3	-49.9	19.48
Stage 5-Scavo H=4m	-10.5	-46.09	19.09
Stage 5-Scavo H=4m	-10.7	-42.37	18.56
Stage 5-Scavo H=4m	-10.9	-38.8	17.9
Stage 5-Scavo H=4m	-11.1	-35.37	17.13
Stage 5-Scavo H=4m	-11.3	-32.11	16.28
Stage 5-Scavo H=4m	-11.5	-29.04	15.37

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=4m	-11.7	-26.16	14.41
Stage 5-Scavo H=4m	-11.9	-23.47	13.43
Stage 5-Scavo H=4m	-12.1	-20.99	12.42
Stage 5-Scavo H=4m	-12.3	-18.7	11.41
Stage 5-Scavo H=4m	-12.5	-16.62	10.41
Stage 5-Scavo H=4m	-12.7	-14.74	9.42
Stage 5-Scavo H=4m	-12.9	-13.05	8.46
Stage 5-Scavo H=4m	-13.1	-11.54	7.52
Stage 5-Scavo H=4m	-13.3	-10.22	6.63
Stage 5-Scavo H=4m	-13.5	-9.06	5.77
Stage 5-Scavo H=4m	-13.7	-8.07	4.96
Stage 5-Scavo H=4m	-13.9	-7.23	4.21
Stage 5-Scavo H=4m	-14.1	-6.53	3.5
Stage 5-Scavo H=4m	-14.3	-5.95	2.86
Stage 5-Scavo H=4m	-14.5	-5.5	2.28
Stage 5-Scavo H=4m	-14.7	-5.15	1.76
Stage 5-Scavo H=4m	-14.9	-4.88	1.31
Stage 5-Scavo H=4m	-15.1	-4.7	0.93
Stage 5-Scavo H=4m	-15.3	-4.58	0.62
Stage 5-Scavo H=4m	-15.5	-4.5	0.38
Stage 5-Scavo H=4m	-15.7	-4.46	0.23
Stage 5-Scavo H=4m	-15.9	-4.43	0.15
Stage 5-Scavo H=4m	-16.1	-4.39	0.16
Stage 5-Scavo H=4m	-16.3	-4.34	0.25
Stage 5-Scavo H=4m	-16.5	-4.26	0.44
Stage 5-Scavo H=4m	-16.7	-4.11	0.71
Stage 5-Scavo H=4m	-16.9	-3.9	1.08
Stage 5-Scavo H=4m	-17.1	-3.59	1.55
Stage 5-Scavo H=4m	-17.3	-3.16	2.13
Stage 5-Scavo H=4m	-17.5	-2.6	2.8
Stage 5-Scavo H=4m	-17.7	-1.88	3.58
Stage 5-Scavo H=4m	-17.9	-1.31	2.87
Stage 5-Scavo H=4m	-18.1	-0.87	2.23
Stage 5-Scavo H=4m	-18.3	-0.53	1.66
Stage 5-Scavo H=4m	-18.5	-0.3	1.18
Stage 5-Scavo H=4m	-18.7	-0.14	0.78
Stage 5-Scavo H=4m	-18.9	-0.05	0.45
Stage 5-Scavo H=4m	-19.1	-0.01	0.21
Stage 5-Scavo H=4m	-19.3	0	0.04

5.3.6. Tabella Risultati Paratia Nominal - Stage: Stage 6-Scavo H=6.5m

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=6.5m	-0.1	0	0
Stage 6-Scavo H=6.5m	-0.3	0	0
Stage 6-Scavo H=6.5m	-0.3	0	0
Stage 6-Scavo H=6.5m	-0.5	0	0
Stage 6-Scavo H=6.5m	-0.5	0	0
Stage 6-Scavo H=6.5m	-0.7	0	0
Stage 6-Scavo H=6.5m	-0.7	0	0
Stage 6-Scavo H=6.5m	-0.9	0	0
Stage 6-Scavo H=6.5m	-0.9	0	0
Stage 6-Scavo H=6.5m	-1.1	0	0
Stage 6-Scavo H=6.5m	-1.1	0	0
Stage 6-Scavo H=6.5m	-1.3	0	0
Stage 6-Scavo H=6.5m	-1.3	0	0
Stage 6-Scavo H=6.5m	-1.5	0	0
Stage 6-Scavo H=6.5m	-1.5	0	0
Stage 6-Scavo H=6.5m	-1.7	0	0
Stage 6-Scavo H=6.5m	-1.7	0	0
Stage 6-Scavo H=6.5m	-1.9	0	0
Stage 6-Scavo H=6.5m	-1.9	0	0
Stage 6-Scavo H=6.5m	-2.1	-0.03	-0.17
Stage 6-Scavo H=6.5m	-2.3	-0.16	-0.64
Stage 6-Scavo H=6.5m	-2.5	-0.44	-1.4
Stage 6-Scavo H=6.5m	-2.7	-0.93	-2.46
Stage 6-Scavo H=6.5m	-2.9	-1.69	-3.81
Stage 6-Scavo H=6.5m	-3.1	-2.79	-5.46
Stage 6-Scavo H=6.5m	-3.3	-4.27	-7.41
Stage 6-Scavo H=6.5m	-3.5	-6.2	-9.66
Stage 6-Scavo H=6.5m	-3.7	-8.64	-12.2
Stage 6-Scavo H=6.5m	-3.9	-11.65	-15.03
Stage 6-Scavo H=6.5m	-4.1	-15.28	-18.17
Stage 6-Scavo H=6.5m	-4.3	-19.6	-21.6
Stage 6-Scavo H=6.5m	-4.5	-24.66	-25.32
Stage 6-Scavo H=6.5m	-4.7	-30.53	-29.35
Stage 6-Scavo H=6.5m	-4.9	-37.27	-33.67
Stage 6-Scavo H=6.5m	-5.1	-44.92	-38.28
Stage 6-Scavo H=6.5m	-5.3	-53.56	-43.19
Stage 6-Scavo H=6.5m	-5.5	-63.24	-48.4
Stage 6-Scavo H=6.5m	-5.7	-74.35	-55.55
Stage 6-Scavo H=6.5m	-5.9	-86.97	-63.09
Stage 6-Scavo H=6.5m	-6.1	-101.17	-71.01
Stage 6-Scavo H=6.5m	-6.3	-117.04	-79.32
Stage 6-Scavo H=6.5m	-6.5	-134.64	-88.02
Stage 6-Scavo H=6.5m	-6.7	-154.06	-97.1
Stage 6-Scavo H=6.5m	-6.9	-173.61	-97.72
Stage 6-Scavo H=6.5m	-7.1	-192.82	-96.07
Stage 6-Scavo H=6.5m	-7.3	-211.27	-92.26
Stage 6-Scavo H=6.5m	-7.5	-228.72	-87.22
Stage 6-Scavo H=6.5m	-7.7	-244.91	-80.97
Stage 6-Scavo H=6.5m	-7.9	-259.61	-73.51
Stage 6-Scavo H=6.5m	-8.1	-272.58	-64.82
Stage 6-Scavo H=6.5m	-8.3	-283.78	-56
Stage 6-Scavo H=6.5m	-8.5	-293.31	-47.67
Stage 6-Scavo H=6.5m	-8.7	-301.27	-39.81
Stage 6-Scavo H=6.5m	-8.9	-307.75	-32.41
Stage 6-Scavo H=6.5m	-9.1	-312.84	-25.45
Stage 6-Scavo H=6.5m	-9.3	-316.63	-18.92
Stage 6-Scavo H=6.5m	-9.5	-319.19	-12.8
Stage 6-Scavo H=6.5m	-9.7	-320.6	-7.07
Stage 6-Scavo H=6.5m	-9.9	-320.94	-1.72
Stage 6-Scavo H=6.5m	-10.1	-320.29	3.27
Stage 6-Scavo H=6.5m	-10.3	-318.7	7.92
Stage 6-Scavo H=6.5m	-10.5	-316.26	12.25
Stage 6-Scavo H=6.5m	-10.7	-313	16.26
Stage 6-Scavo H=6.5m	-10.9	-309.01	19.98
Stage 6-Scavo H=6.5m	-11.1	-304.33	23.42
Stage 6-Scavo H=6.5m	-11.3	-299.01	26.59
Stage 6-Scavo H=6.5m	-11.5	-293.1	29.52

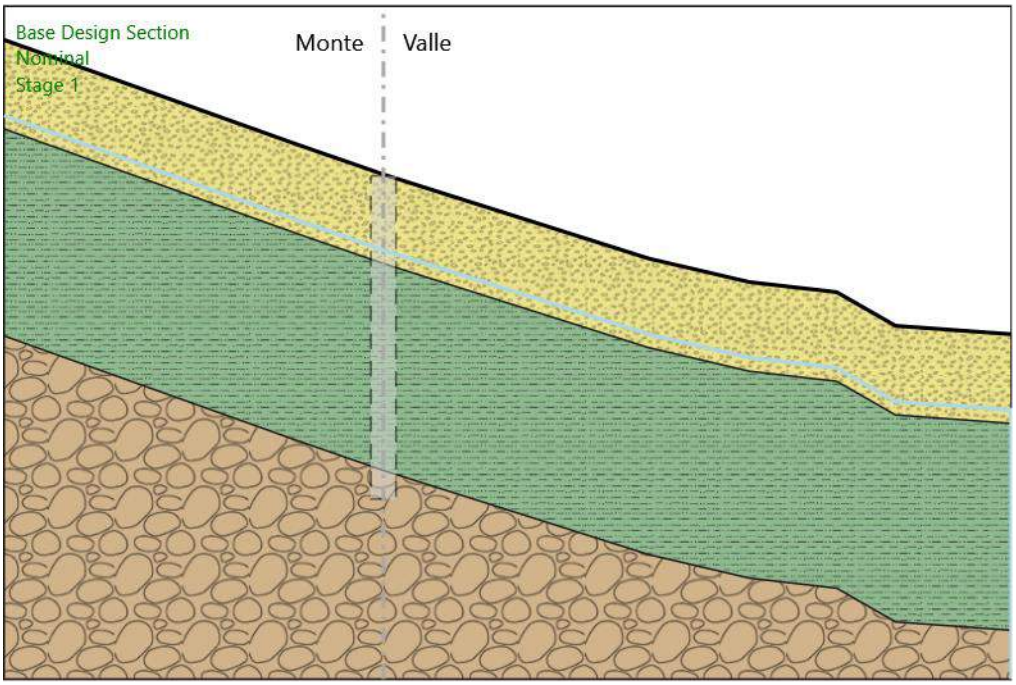
Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=6.5m	-11.7	-286.66	32.22
Stage 6-Scavo H=6.5m	-11.9	-279.72	34.7
Stage 6-Scavo H=6.5m	-12.1	-272.32	36.97
Stage 6-Scavo H=6.5m	-12.3	-264.51	39.05
Stage 6-Scavo H=6.5m	-12.5	-256.32	40.95
Stage 6-Scavo H=6.5m	-12.7	-247.78	42.69
Stage 6-Scavo H=6.5m	-12.9	-238.93	44.28
Stage 6-Scavo H=6.5m	-13.1	-229.79	45.72
Stage 6-Scavo H=6.5m	-13.3	-220.38	47.03
Stage 6-Scavo H=6.5m	-13.5	-210.73	48.22
Stage 6-Scavo H=6.5m	-13.7	-200.87	49.31
Stage 6-Scavo H=6.5m	-13.9	-190.84	50.17
Stage 6-Scavo H=6.5m	-14.1	-180.69	50.73
Stage 6-Scavo H=6.5m	-14.3	-170.49	51.01
Stage 6-Scavo H=6.5m	-14.5	-160.28	51.05
Stage 6-Scavo H=6.5m	-14.7	-150.11	50.87
Stage 6-Scavo H=6.5m	-14.9	-140.01	50.48
Stage 6-Scavo H=6.5m	-15.1	-130.03	49.92
Stage 6-Scavo H=6.5m	-15.3	-120.19	49.2
Stage 6-Scavo H=6.5m	-15.5	-110.52	48.34
Stage 6-Scavo H=6.5m	-15.7	-101.05	47.35
Stage 6-Scavo H=6.5m	-15.9	-91.8	46.26
Stage 6-Scavo H=6.5m	-16.1	-82.78	45.08
Stage 6-Scavo H=6.5m	-16.3	-74.02	43.81
Stage 6-Scavo H=6.5m	-16.5	-65.53	42.46
Stage 6-Scavo H=6.5m	-16.7	-57.35	40.87
Stage 6-Scavo H=6.5m	-16.9	-49.54	39.05
Stage 6-Scavo H=6.5m	-17.1	-42.14	37.02
Stage 6-Scavo H=6.5m	-17.3	-35.18	34.79
Stage 6-Scavo H=6.5m	-17.5	-28.7	32.38
Stage 6-Scavo H=6.5m	-17.7	-22.75	29.79
Stage 6-Scavo H=6.5m	-17.9	-17.46	26.41
Stage 6-Scavo H=6.5m	-18.1	-12.87	22.99
Stage 6-Scavo H=6.5m	-18.3	-8.96	19.53
Stage 6-Scavo H=6.5m	-18.5	-5.75	16.05
Stage 6-Scavo H=6.5m	-18.7	-3.24	12.53
Stage 6-Scavo H=6.5m	-18.9	-1.45	8.99
Stage 6-Scavo H=6.5m	-19.1	-0.36	5.42
Stage 6-Scavo H=6.5m	-19.3	0	1.81

5.3.7. Tabella Risultati Paratia Nominal - Stage: Sismica

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sismica	-0.1	0	-0.54
Sismica	-0.3	-0.11	-0.54
Sismica	-0.5	-0.43	-1.61
Sismica	-0.7	-0.97	-2.68
Sismica	-0.9	-1.72	-3.76
Sismica	-1.1	-2.68	-4.83
Sismica	-1.3	-3.87	-5.91
Sismica	-1.5	-5.26	-6.98
Sismica	-1.7	-6.87	-8.05
Sismica	-1.9	-8.7	-9.13
Sismica	-2.1	-10.77	-10.37
Sismica	-2.3	-13.16	-11.91
Sismica	-2.5	-15.91	-13.75
Sismica	-2.7	-19.08	-15.88
Sismica	-2.9	-22.74	-18.31
Sismica	-3.1	-26.95	-21.04
Sismica	-3.3	-31.76	-24.06
Sismica	-3.5	-37.24	-27.38
Sismica	-3.7	-43.44	-30.99
Sismica	-3.9	-50.42	-34.9
Sismica	-4.1	-58.24	-39.11
Sismica	-4.3	-66.96	-43.61
Sismica	-4.5	-76.64	-48.41
Sismica	-4.7	-87.34	-53.51
Sismica	-4.9	-99.13	-58.9
Sismica	-5.1	-112.04	-64.59
Sismica	-5.3	-126.16	-70.58
Sismica	-5.5	-141.53	-76.86
Sismica	-5.7	-158.55	-85.09
Sismica	-5.9	-177.29	-93.7
Sismica	-6.1	-197.83	-102.69
Sismica	-6.3	-220.24	-112.08
Sismica	-6.5	-244.61	-121.85
Sismica	-6.7	-270.96	-131.73
Sismica	-6.9	-297.49	-132.65
Sismica	-7.1	-323.8	-131.54
Sismica	-7.3	-349.5	-128.5
Sismica	-7.5	-374.39	-124.46
Sismica	-7.7	-398.28	-119.43
Sismica	-7.9	-420.95	-113.4
Sismica	-8.1	-442.23	-106.35
Sismica	-8.3	-461.89	-98.3
Sismica	-8.5	-479.73	-89.23
Sismica	-8.7	-495.56	-79.15
Sismica	-8.9	-509.17	-68.05
Sismica	-9.1	-520.36	-55.93
Sismica	-9.3	-529.13	-43.85
Sismica	-9.5	-535.63	-32.51
Sismica	-9.7	-540	-21.87
Sismica	-9.9	-542.39	-11.91
Sismica	-10.1	-542.91	-2.6
Sismica	-10.3	-541.69	6.09
Sismica	-10.5	-538.85	14.17
Sismica	-10.7	-534.52	21.69
Sismica	-10.9	-528.78	28.66
Sismica	-11.1	-521.76	35.11
Sismica	-11.3	-513.55	41.07
Sismica	-11.5	-504.23	46.56
Sismica	-11.7	-493.91	51.61
Sismica	-11.9	-482.66	56.25
Sismica	-12.1	-470.56	60.48
Sismica	-12.3	-457.69	64.35
Sismica	-12.5	-444.12	67.87
Sismica	-12.7	-429.91	71.06
Sismica	-12.9	-415.12	73.95
Sismica	-13.1	-399.81	76.55
Sismica	-13.3	-384.03	78.88

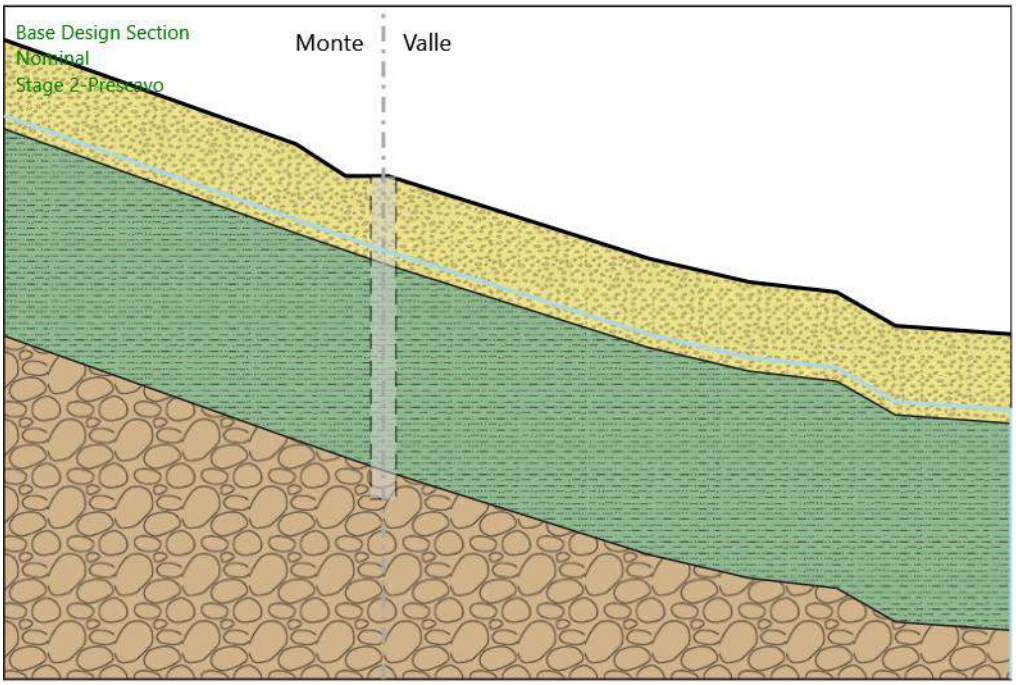
Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Sismica	-13.5	-367.84	80.97
Sismica	-13.7	-351.27	82.83
Sismica	-13.9	-334.38	84.48
Sismica	-14.1	-317.19	85.93
Sismica	-14.3	-299.75	87.21
Sismica	-14.5	-282.08	88.32
Sismica	-14.7	-264.29	88.99
Sismica	-14.9	-246.44	89.21
Sismica	-15.1	-228.64	89.03
Sismica	-15.3	-210.94	88.49
Sismica	-15.5	-193.42	87.58
Sismica	-15.7	-176.19	86.14
Sismica	-15.9	-159.35	84.21
Sismica	-16.1	-142.99	81.81
Sismica	-16.3	-127.19	79
Sismica	-16.5	-112.03	75.79
Sismica	-16.7	-97.6	72.14
Sismica	-16.9	-83.97	68.19
Sismica	-17.1	-71.18	63.94
Sismica	-17.3	-59.29	59.43
Sismica	-17.5	-48.36	54.66
Sismica	-17.7	-38.43	49.65
Sismica	-17.9	-29.59	44.21
Sismica	-18.1	-21.86	38.65
Sismica	-18.3	-15.27	32.97
Sismica	-18.5	-9.83	27.2
Sismica	-18.7	-5.56	21.33
Sismica	-18.9	-2.49	15.36
Sismica	-19.1	-0.63	9.3
Sismica	-19.3	0	3.13

5.3.8. Grafico Momento Nominal - Stage: Stage 1



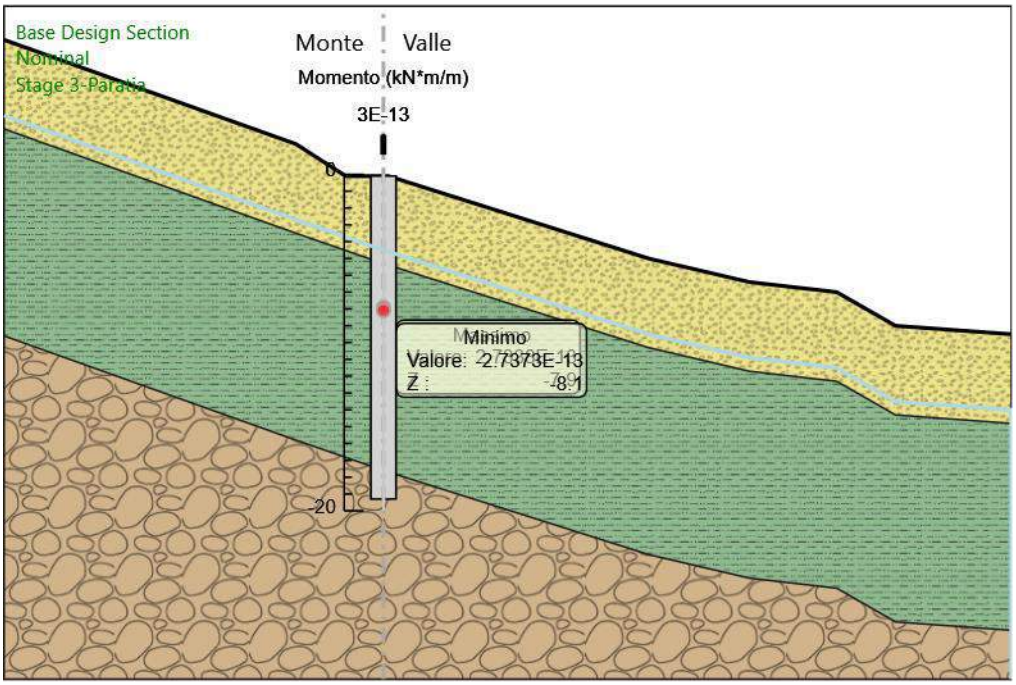
Design Assumption: Nominal
Stage: Stage 1
Momento

5.3.9. Grafico Momento Nominal - Stage: Stage 2-Prescavo



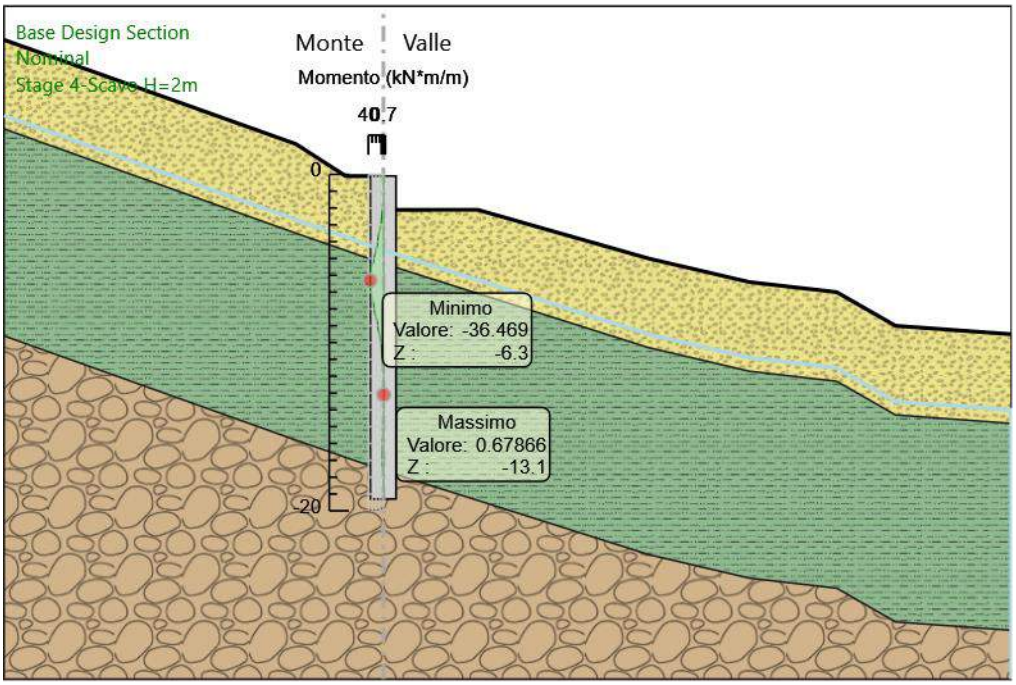
Design Assumption: Nominal
Stage: Stage 2-Prescavo
Momento

5.3.10. Grafico Momento Nominal - Stage: Stage 3-Paratia



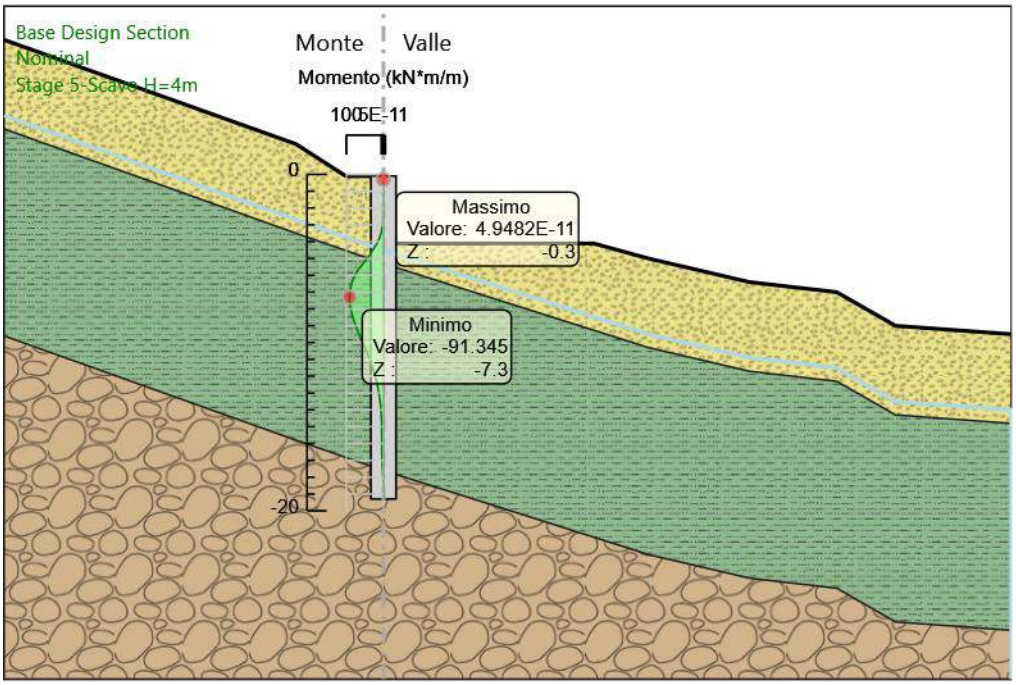
Design Assumption: Nominal
Stage: Stage 3-Paratia
Momento

5.3.11. Grafico Momento Nominal - Stage: Stage 4-Scavo H=2m



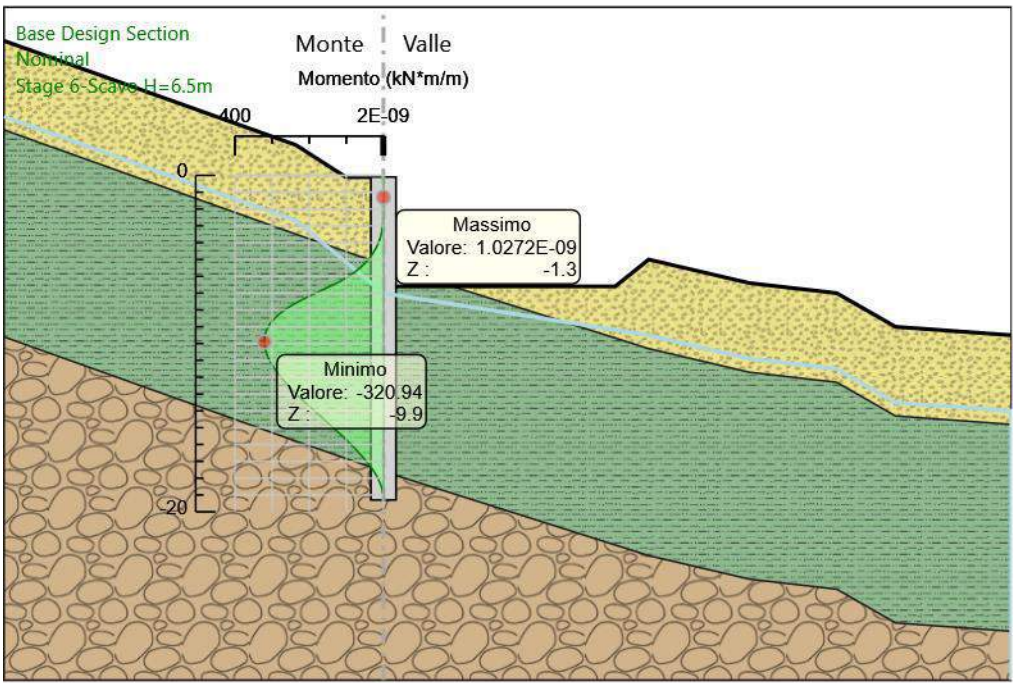
Design Assumption: Nominal
Stage: Stage 4-Scavo H=2m
Momento

5.3.12. Grafico Momento Nominal - Stage: Stage 5-Scavo H=4m



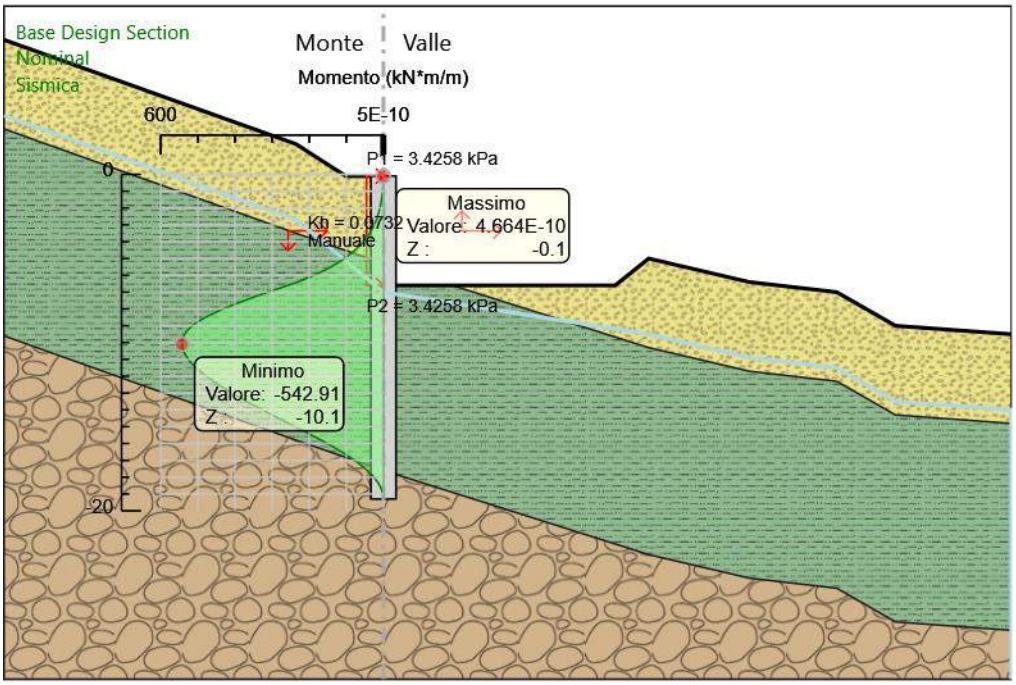
Design Assumption: Nominal
Stage: Stage 5-Scavo H=4m
Momento

5.3.13. Grafico Momento Nominal - Stage: Stage 6-Scavo H=6.5m



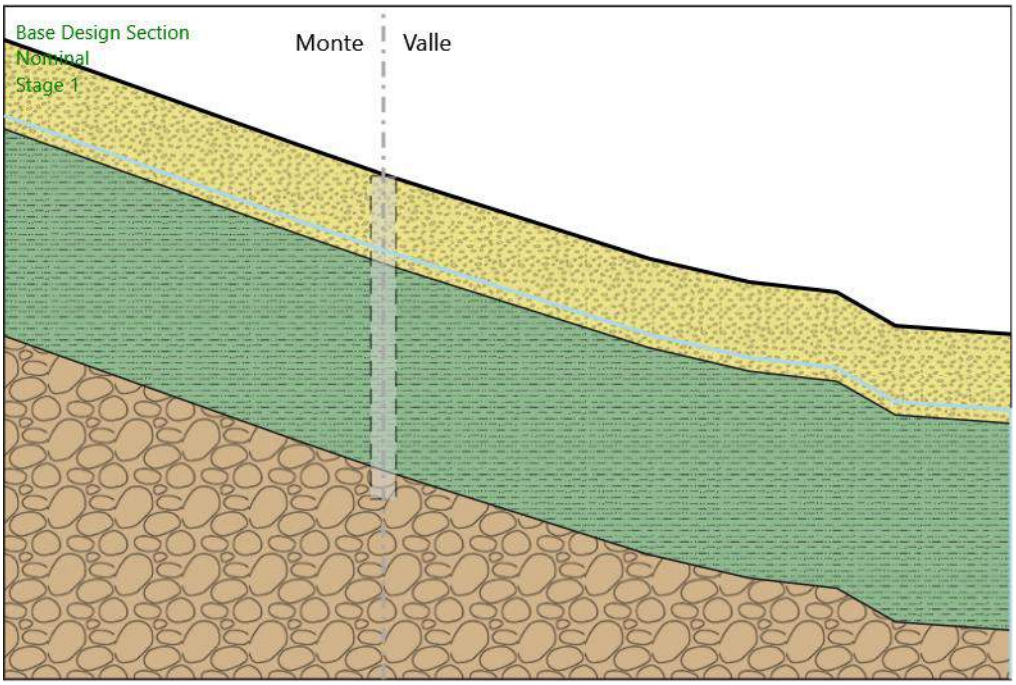
Design Assumption: Nominal
Stage: Stage 6-Scavo H=6.5m
Momento

5.3.14. Grafico Momento Nominal - Stage: Sismica



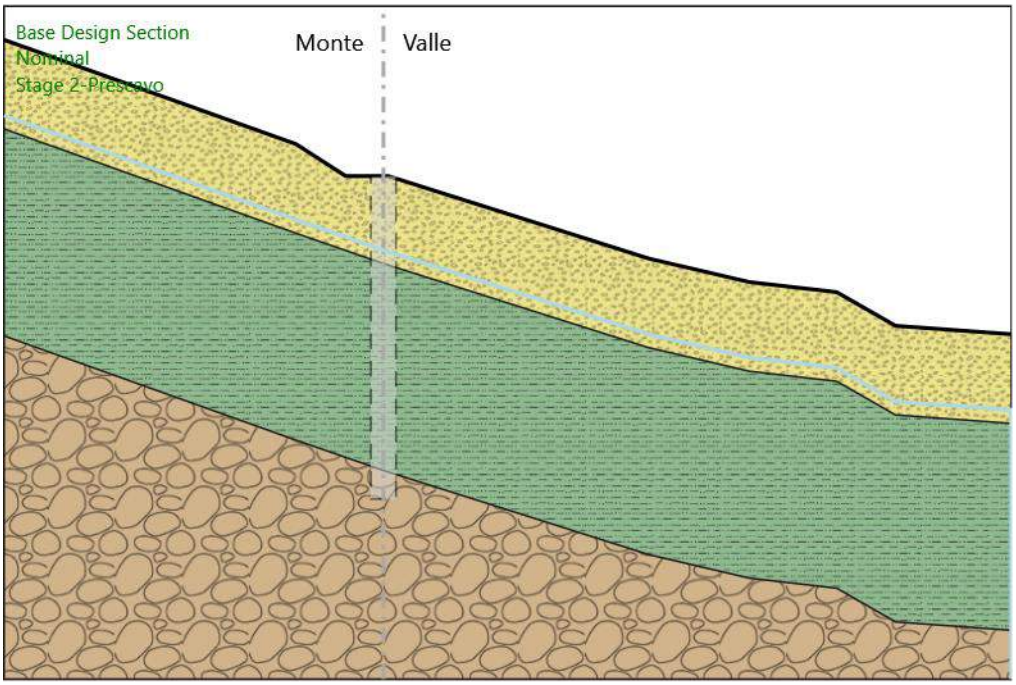
Design Assumption: Nominal
Stage: Sismica
Momento

5.3.15. Grafico Taglio Nominal - Stage: Stage 1



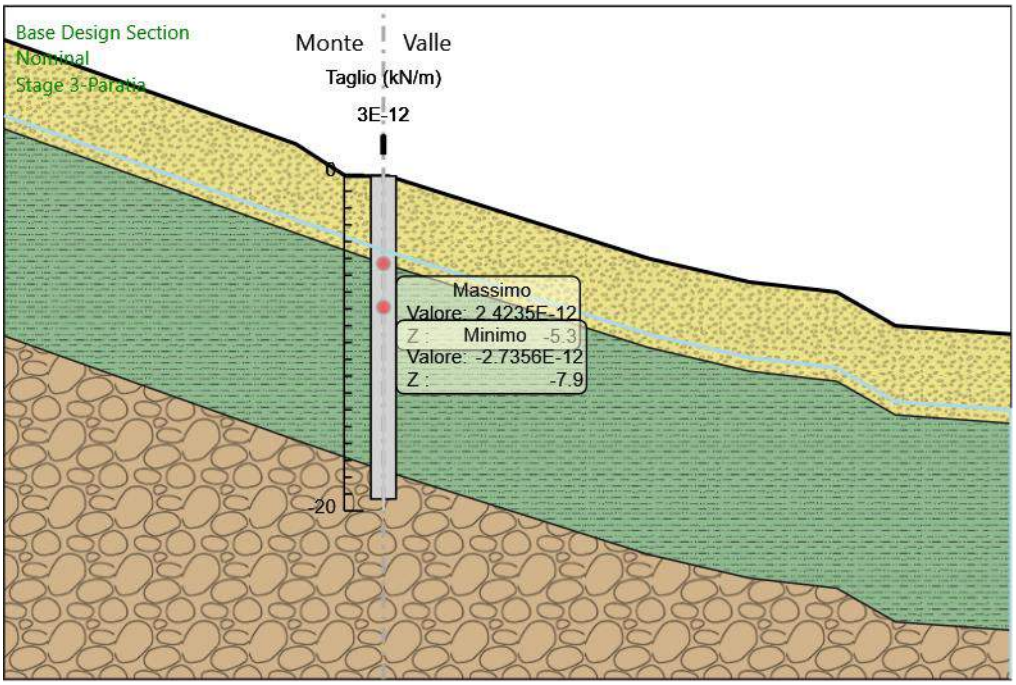
Design Assumption: Nominal
Stage: Stage 1
Taglio

5.3.16. Grafico Taglio Nominal - Stage: Stage 2-Prescavo



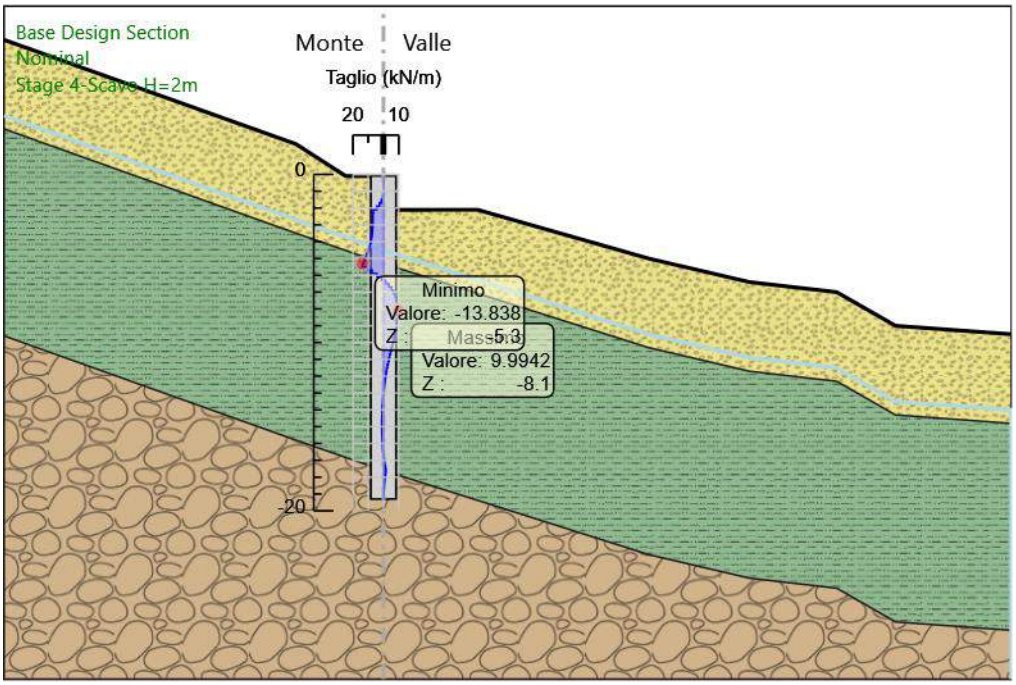
Design Assumption: Nominal
Stage: Stage 2-Prescavo
Taglio

5.3.17. Grafico Taglio Nominal - Stage: Stage 3-Paratia



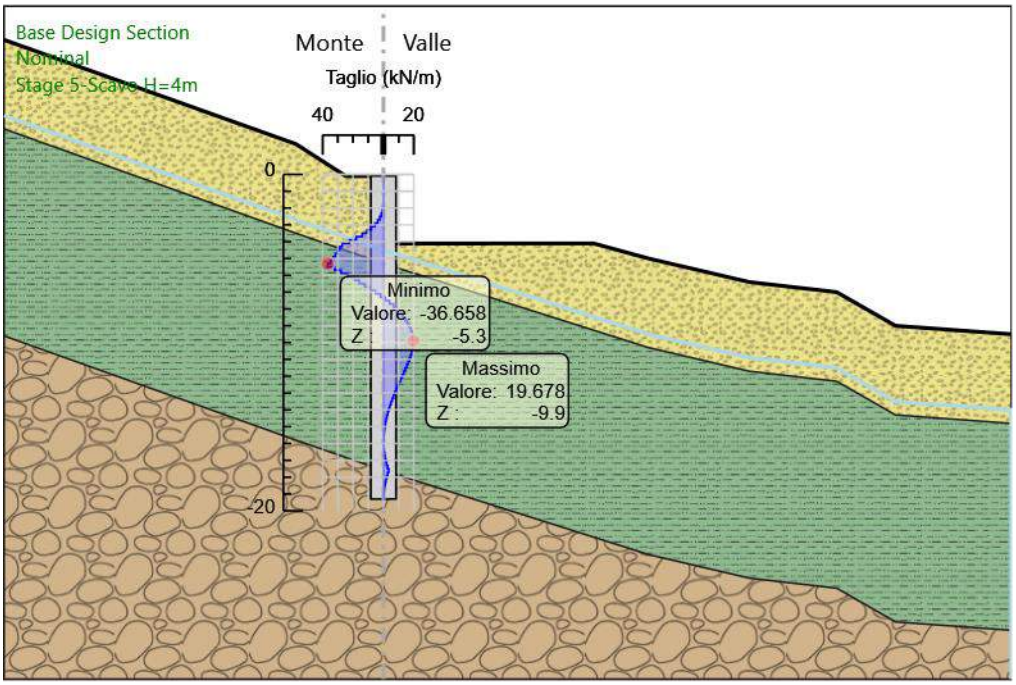
Design Assumption: Nominal
Stage: Stage 3-Paratia
Taglio

5.3.18. Grafico Taglio Nominal - Stage: Stage 4-Scavo H=2m



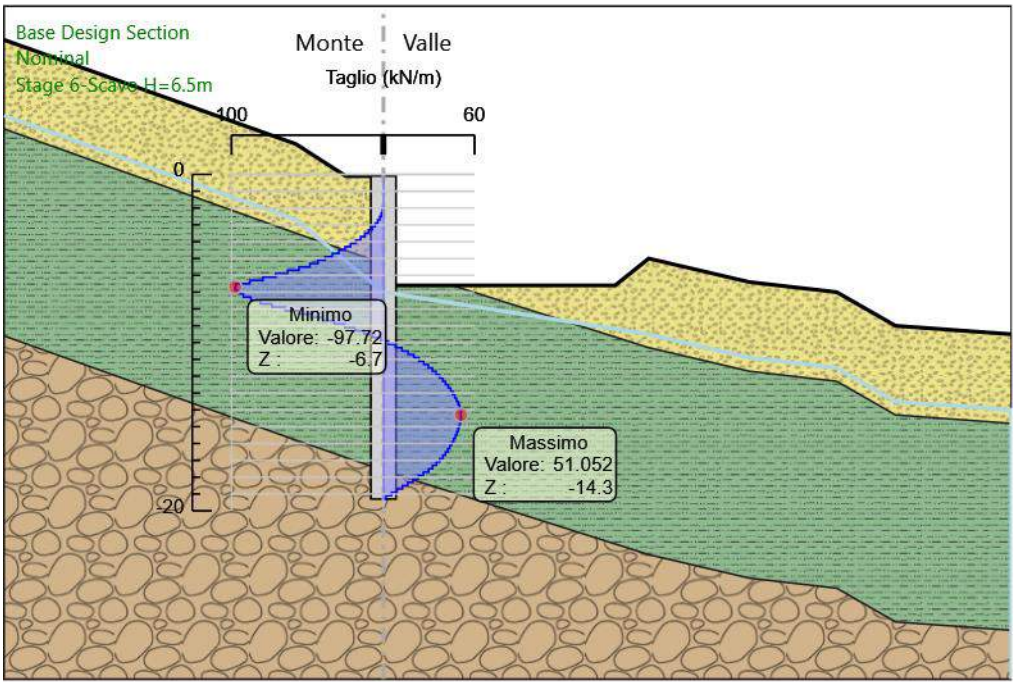
Design Assumption: Nominal
Stage: Stage 4-Scavo H=2m
Taglio

5.3.19. Grafico Taglio Nominal - Stage: Stage 5-Scavo H=4m



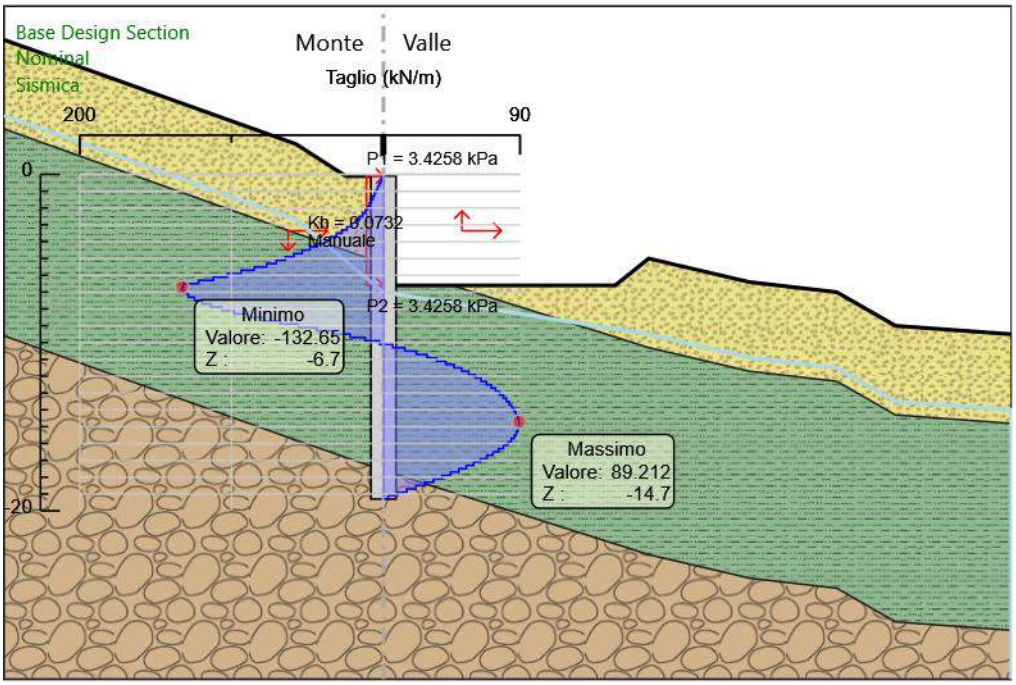
Design Assumption: Nominal
Stage: Stage 5-Scavo H=4m
Taglio

5.3.20. Grafico Taglio Nominal - Stage: Stage 6-Scavo H=6.5m



Design Assumption: Nominal
Stage: Stage 6-Scavo H=6.5m
Taglio

5.3.21. Grafico Taglio Nominal - Stage: Sismica



Design Assumption: Nominal
Stage: Sismica
Taglio

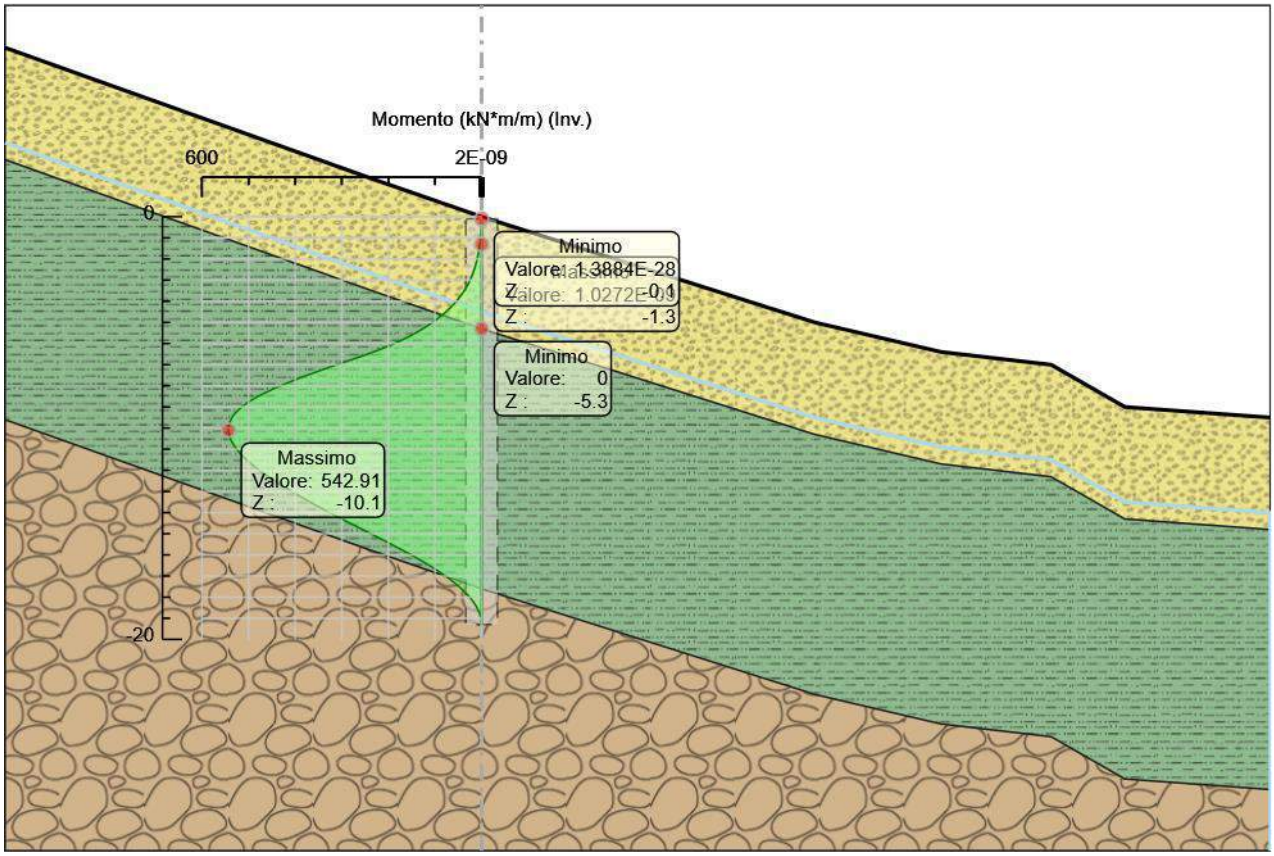
5.4. Inviluppi Risultati Paratia Nominal

5.4.1. Tabella Inviluppi Momento Nominal WallElement

Selected Design Assumptions	Inviluppi: Momento	Muro: WallElement
Z (m)	Lato sinistro (kN*m/m)	Lato destro (kN*m/m)
-0.1	0	0
-0.3	0.107	0
-0.5	0.43	0
-0.7	0.967	0
-0.9	1.718	0
-1.1	2.685	0
-1.3	3.866	0
-1.5	5.262	0
-1.7	6.873	0
-1.9	8.699	0
-2.1	10.773	0
-2.3	13.156	0
-2.5	15.905	0
-2.7	19.081	0
-2.9	22.743	0
-3.1	26.95	0
-3.3	31.762	0
-3.5	37.237	0
-3.7	43.435	0
-3.9	50.416	0
-4.1	58.237	0
-4.3	66.96	0
-4.5	76.643	0
-4.7	87.345	0
-4.9	99.125	0
-5.1	112.044	0
-5.3	126.16	0
-5.5	141.532	0
-5.7	158.549	0
-5.9	177.288	0
-6.1	197.827	0
-6.3	220.242	0
-6.5	244.612	0
-6.7	270.958	0
-6.9	297.489	0
-7.1	323.797	0
-7.3	349.496	0
-7.5	374.389	0
-7.7	398.275	0
-7.9	420.955	0
-8.1	442.226	0
-8.3	461.886	0
-8.5	479.732	0
-8.7	495.562	0
-8.9	509.172	0
-9.1	520.359	0
-9.3	529.13	0
-9.5	535.632	0
-9.7	540.005	0
-9.9	542.386	0
-10.1	542.906	0
-10.3	541.688	0
-10.5	538.853	0
-10.7	534.515	0
-10.9	528.783	0
-11.1	521.761	0
-11.3	513.547	0
-11.5	504.234	0
-11.7	493.911	0
-11.9	482.662	0
-12.1	470.565	0
-12.3	457.695	0
-12.5	444.121	0
-12.7	429.909	0

Selected Design Assumptions	Inviluppi: Momento	Muro: WallElement
Z (m)	Lato sinistro (kN*m/m)	Lato destro (kN*m/m)
-12.9	415.12	0
-13.1	399.81	0
-13.3	384.034	0
-13.5	367.84	0
-13.7	351.274	0
-13.9	334.378	0
-14.1	317.191	0
-14.3	299.749	0
-14.5	282.084	0
-14.7	264.286	0
-14.9	246.444	0
-15.1	228.637	0
-15.3	210.94	0
-15.5	193.423	0
-15.7	176.195	0
-15.9	159.354	0
-16.1	142.991	0
-16.3	127.19	0
-16.5	112.033	0
-16.7	97.605	0
-16.9	83.968	0
-17.1	71.179	0
-17.3	59.293	0
-17.5	48.361	0
-17.7	38.431	0
-17.9	29.59	0
-18.1	21.86	0
-18.3	15.266	0
-18.5	9.826	0
-18.7	5.559	0
-18.9	2.486	0
-19.1	0.626	0
-19.3	0	0

5.4.2. Grafico Inviluppi Momento Nominal



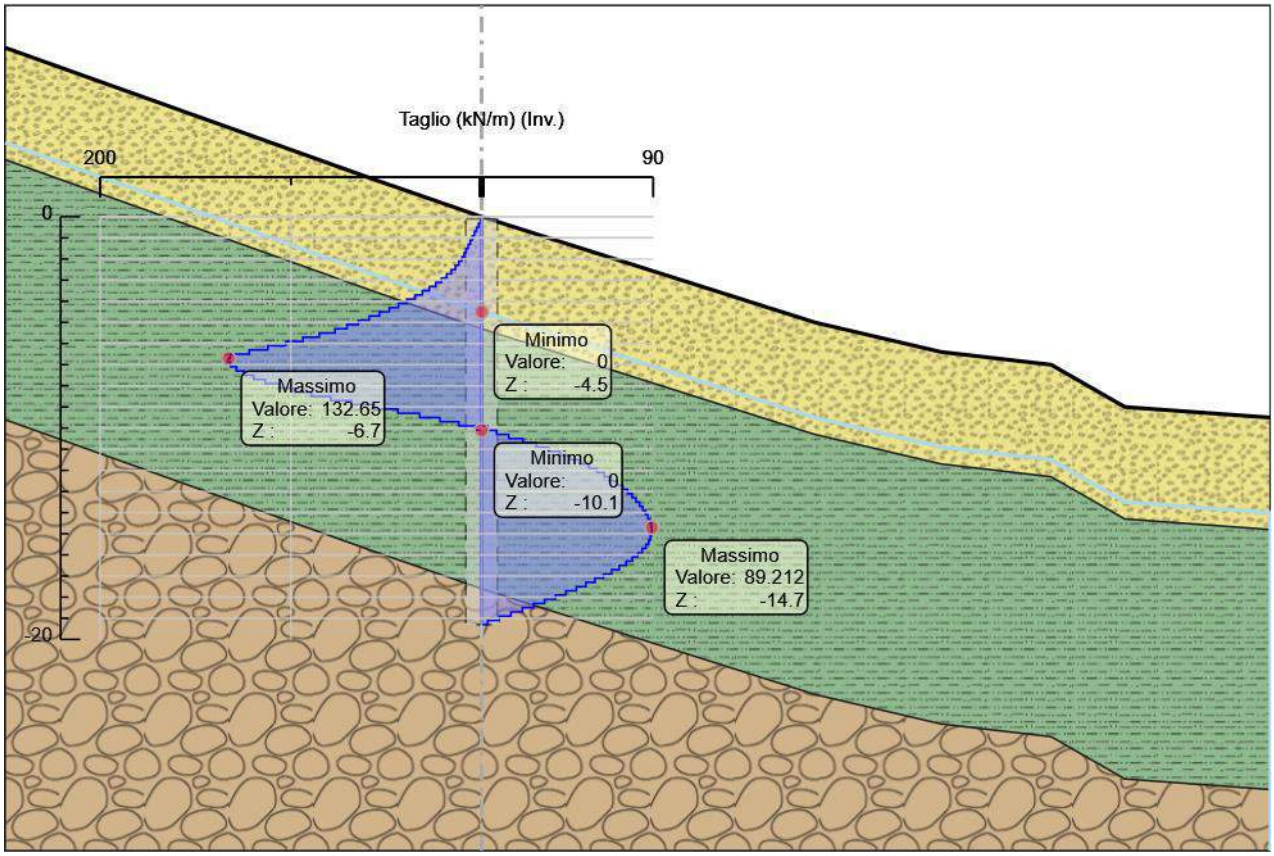
Momento

5.4.3. Tabella Inviluppi Taglio Nominal WallElement

Selected Design Assumptions	Inviluppi: Taglio	Muro: WallElement
Z (m)	Lato sinistro (kN/m)	Lato destro (kN/m)
-0.1	0.537	0
-0.3	1.611	0
-0.5	2.685	0
-0.7	3.759	0
-0.9	4.833	0
-1.1	5.907	0
-1.3	6.981	0
-1.5	8.054	0
-1.7	9.128	0
-1.9	10.372	0
-2.1	11.912	0
-2.3	13.748	0
-2.5	15.881	0
-2.7	18.31	0
-2.9	21.036	0
-3.1	24.057	0
-3.3	27.376	0
-3.5	30.99	0
-3.7	34.902	0
-3.9	39.109	0
-4.1	43.613	0
-4.3	48.413	0
-4.5	53.51	0
-4.7	58.903	0
-4.9	64.593	0
-5.1	70.579	0
-5.3	76.861	0
-5.5	85.086	0
-5.7	93.696	0
-5.9	102.694	0
-6.1	112.077	0
-6.3	121.847	0
-6.5	131.733	0
-6.7	132.652	0
-6.9	132.652	0
-7.1	131.542	0
-7.3	128.496	0
-7.5	124.463	0
-7.7	119.432	0
-7.9	113.397	0
-8.1	106.355	0
-8.3	98.301	0
-8.5	89.233	0
-8.7	79.15	0
-8.9	68.051	0
-9.1	55.934	0
-9.3	43.854	0
-9.5	32.508	0
-9.7	21.867	0
-9.9	11.906	3.273
-10.1	2.597	7.923
-10.3	0	14.174
-10.5	0	21.689
-10.7	0	28.66
-10.9	0	35.112
-11.1	0	41.072
-11.3	0	46.564
-11.5	0	51.614
-11.7	0	56.246
-11.9	0	60.484
-12.1	0	64.351
-12.3	0	67.869
-12.5	0	71.06
-12.7	0	73.946
-12.9	0	76.547
-13.1	0	78.882
-13.3	0	80.97

Selected Design Assumptions	Inviluppi: Taglio	Muro: WallElement
Z (m)	Lato sinistro (kN/m)	Lato destro (kN/m)
-13.5	0	82.831
-13.7	0	84.48
-13.9	0	85.935
-14.1	0	87.211
-14.3	0	88.324
-14.5	0	88.988
-14.7	0	89.212
-14.9	0	89.212
-15.1	0	89.033
-15.3	0	88.487
-15.5	0	87.583
-15.7	0	86.141
-15.9	0	84.205
-16.1	0	81.814
-16.3	0	79.003
-16.5	0	75.786
-16.7	0	72.139
-16.9	0	68.185
-17.1	0	63.944
-17.3	0	59.431
-17.5	0	54.661
-17.7	0	49.646
-17.9	0	44.207
-18.1	0	38.647
-18.3	0	32.972
-18.5	0	27.203
-18.7	0	21.333
-18.9	0	15.365
-19.1	0	9.298
-19.3	0	3.132

5.4.4. Grafico Inviluppi Taglio Nominal



Taglio

5.4. Riepilogo spinte

Design Assumption: Nominal	Tipo Risultato: Riepilogo spinte	Muro:	LEFT	Lato	LEFT		
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	1255.9	1109	2364.8	836.1	13743.6	9.14%	1.5
Stage 2-Prescavo	1246.6	1109	2355.6	782.2	13587.8	9.17%	1.59
Stage 3-Paratia	1246.6	1109	2355.6	782.2	13587.8	9.17%	1.59
Stage 4-Scavo H=2m	1125.5	1109	2234.5	782.2	13587.8	8.28%	1.44
Stage 5-Scavo H=4m	1005.4	1109	2114.3	782.2	13587.8	7.4%	1.29
Stage 6-Scavo H=6.5m	1094.6	793.7	1888.2	929.4	15128.4	7.24%	1.18
Sismica	1113.2	793.7	1906.9	929.4	15387.2	7.23%	1.2

Design Assumption: Nominal	Tipo Risultato: Riepilogo spinte	Muro:	LEFT	Lato	RIGHT		
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	1281.4	1083.5	2364.8	443.5	5361.5	23.9%	2.89
Stage 2-Prescavo	1272.1	1083.5	2355.6	441.6	5474.6	23.24%	2.88
Stage 3-Paratia	1272.1	1083.5	2355.6	441.6	5474.6	23.24%	2.88
Stage 4-Scavo H=2m	1151	1083.5	2234.5	336.5	5972.1	19.27%	3.42
Stage 5-Scavo H=4m	1030.9	1083.5	2114.3	186.9	5039.1	20.46%	5.52
Stage 6-Scavo H=6.5m	1126.5	761.7	1888.2	108.4	4188.7	26.89%	10.39
Sismica	1179.8	761.7	1941.5	106.6	3738.8	31.56%	11.07

6. 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
SISMICA STR	1	1	1	1	1	1	1	1	1	1	1	1	1
SISMICA GEO	1	1	1	1	1	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
SISMICA STR	1	1	1	1	1
SISMICA GEO	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
SISMICA STR	1	1.2	1.1	1
SISMICA GEO	1	1.2	1.1	1

6.1. Risultati SLE (Rara/Frequente/Quasi Permanente)

6.1.1. 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 orizzontale (mm)
Stage 1	-0.1	0
Stage 1	-0.3	0
Stage 1	-0.5	0
Stage 1	-0.7	0
Stage 1	-0.9	0
Stage 1	-1.1	0
Stage 1	-1.3	0
Stage 1	-1.5	0
Stage 1	-1.7	0
Stage 1	-1.9	0
Stage 1	-2.1	0
Stage 1	-2.3	0
Stage 1	-2.5	0
Stage 1	-2.7	0
Stage 1	-2.9	0
Stage 1	-3.1	0
Stage 1	-3.3	0
Stage 1	-3.5	0
Stage 1	-3.7	0
Stage 1	-3.9	0
Stage 1	-4.1	0
Stage 1	-4.3	0
Stage 1	-4.5	0.01
Stage 1	-4.7	0.02
Stage 1	-4.9	0.02
Stage 1	-5.1	0.02
Stage 1	-5.3	0.02
Stage 1	-5.5	0
Stage 1	-5.7	0
Stage 1	-5.9	0
Stage 1	-6.1	0
Stage 1	-6.3	0
Stage 1	-6.5	0
Stage 1	-6.7	0
Stage 1	-6.9	0
Stage 1	-7.1	0
Stage 1	-7.3	0
Stage 1	-7.5	0
Stage 1	-7.7	0
Stage 1	-7.9	0
Stage 1	-8.1	0
Stage 1	-8.3	0
Stage 1	-8.5	0
Stage 1	-8.7	0
Stage 1	-8.9	0
Stage 1	-9.1	0
Stage 1	-9.3	0
Stage 1	-9.5	0
Stage 1	-9.7	0
Stage 1	-9.9	0
Stage 1	-10.1	0
Stage 1	-10.3	0
Stage 1	-10.5	0
Stage 1	-10.7	0
Stage 1	-10.9	0
Stage 1	-11.1	0
Stage 1	-11.3	0
Stage 1	-11.5	0
Stage 1	-11.7	0
Stage 1	-11.9	0
Stage 1	-12.1	0
Stage 1	-12.3	0
Stage 1	-12.5	0
Stage 1	-12.7	0

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 1	-12.9	0
Stage 1	-13.1	0
Stage 1	-13.3	0
Stage 1	-13.5	0
Stage 1	-13.7	0
Stage 1	-13.9	0
Stage 1	-14.1	0
Stage 1	-14.3	0
Stage 1	-14.5	0
Stage 1	-14.7	0
Stage 1	-14.9	0
Stage 1	-15.1	0
Stage 1	-15.3	0
Stage 1	-15.5	0
Stage 1	-15.7	0
Stage 1	-15.9	0
Stage 1	-16.1	0
Stage 1	-16.3	0
Stage 1	-16.5	0
Stage 1	-16.7	0
Stage 1	-16.9	0
Stage 1	-17.1	0
Stage 1	-17.3	0
Stage 1	-17.5	0
Stage 1	-17.7	0
Stage 1	-17.9	0
Stage 1	-18.1	0
Stage 1	-18.3	0
Stage 1	-18.5	0
Stage 1	-18.7	0
Stage 1	-18.9	0
Stage 1	-19.1	0
Stage 1	-19.3	0

6.1.2. 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	-0.1	0	0
Stage 1	-0.3	0	0
Stage 1	-0.5	0	0
Stage 1	-0.7	0	0
Stage 1	-0.9	0	0
Stage 1	-1.1	0	0
Stage 1	-1.3	0	0
Stage 1	-1.5	0	0
Stage 1	-1.7	0	0
Stage 1	-1.9	0	0
Stage 1	-2.1	0	0
Stage 1	-2.3	0	0
Stage 1	-2.5	0	0
Stage 1	-2.7	0	0
Stage 1	-2.9	0	0
Stage 1	-3.1	0	0
Stage 1	-3.3	0	0
Stage 1	-3.5	0	0
Stage 1	-3.7	0	0
Stage 1	-3.9	0	0
Stage 1	-4.1	0	0
Stage 1	-4.3	0	0
Stage 1	-4.5	0	0
Stage 1	-4.7	0	0
Stage 1	-4.9	0	0
Stage 1	-5.1	0	0
Stage 1	-5.3	0	0
Stage 1	-5.5	0	0
Stage 1	-5.7	0	0
Stage 1	-5.9	0	0
Stage 1	-6.1	0	0
Stage 1	-6.3	0	0
Stage 1	-6.5	0	0
Stage 1	-6.7	0	0
Stage 1	-6.9	0	0
Stage 1	-7.1	0	0
Stage 1	-7.3	0	0
Stage 1	-7.5	0	0
Stage 1	-7.7	0	0
Stage 1	-7.9	0	0
Stage 1	-8.1	0	0
Stage 1	-8.3	0	0
Stage 1	-8.5	0	0
Stage 1	-8.7	0	0
Stage 1	-8.9	0	0
Stage 1	-9.1	0	0
Stage 1	-9.3	0	0
Stage 1	-9.5	0	0
Stage 1	-9.7	0	0
Stage 1	-9.9	0	0
Stage 1	-10.1	0	0
Stage 1	-10.3	0	0
Stage 1	-10.5	0	0
Stage 1	-10.7	0	0
Stage 1	-10.9	0	0
Stage 1	-11.1	0	0
Stage 1	-11.3	0	0
Stage 1	-11.5	0	0
Stage 1	-11.7	0	0
Stage 1	-11.9	0	0
Stage 1	-12.1	0	0
Stage 1	-12.3	0	0
Stage 1	-12.5	0	0
Stage 1	-12.7	0	0
Stage 1	-12.9	0	0

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	-13.1	0	0
Stage 1	-13.3	0	0
Stage 1	-13.5	0	0
Stage 1	-13.7	0	0
Stage 1	-13.9	0	0
Stage 1	-14.1	0	0
Stage 1	-14.3	0	0
Stage 1	-14.5	0	0
Stage 1	-14.7	0	0
Stage 1	-14.9	0	0
Stage 1	-15.1	0	0
Stage 1	-15.3	0	0
Stage 1	-15.5	0	0
Stage 1	-15.7	0	0
Stage 1	-15.9	0	0
Stage 1	-16.1	0	0
Stage 1	-16.3	0	0
Stage 1	-16.5	0	0
Stage 1	-16.7	0	0
Stage 1	-16.9	0	0
Stage 1	-17.1	0	0
Stage 1	-17.3	0	0
Stage 1	-17.5	0	0
Stage 1	-17.7	0	0
Stage 1	-17.9	0	0
Stage 1	-18.1	0	0
Stage 1	-18.3	0	0
Stage 1	-18.5	0	0
Stage 1	-18.7	0	0
Stage 1	-18.9	0	0
Stage 1	-19.1	0	0
Stage 1	-19.3	0	0

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

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 2-Prescavo	-0.1	0
Stage 2-Prescavo	-0.3	0
Stage 2-Prescavo	-0.5	0
Stage 2-Prescavo	-0.7	0
Stage 2-Prescavo	-0.9	0
Stage 2-Prescavo	-1.1	0
Stage 2-Prescavo	-1.3	0
Stage 2-Prescavo	-1.5	0
Stage 2-Prescavo	-1.7	0
Stage 2-Prescavo	-1.9	0
Stage 2-Prescavo	-2.1	0
Stage 2-Prescavo	-2.3	0
Stage 2-Prescavo	-2.5	0
Stage 2-Prescavo	-2.7	0
Stage 2-Prescavo	-2.9	0
Stage 2-Prescavo	-3.1	0
Stage 2-Prescavo	-3.3	0
Stage 2-Prescavo	-3.5	0
Stage 2-Prescavo	-3.7	0
Stage 2-Prescavo	-3.9	0
Stage 2-Prescavo	-4.1	0
Stage 2-Prescavo	-4.3	0
Stage 2-Prescavo	-4.5	0.01
Stage 2-Prescavo	-4.7	0.02
Stage 2-Prescavo	-4.9	0.02
Stage 2-Prescavo	-5.1	0.02
Stage 2-Prescavo	-5.3	0.02
Stage 2-Prescavo	-5.5	0
Stage 2-Prescavo	-5.7	0
Stage 2-Prescavo	-5.9	0
Stage 2-Prescavo	-6.1	0
Stage 2-Prescavo	-6.3	0
Stage 2-Prescavo	-6.5	0
Stage 2-Prescavo	-6.7	0
Stage 2-Prescavo	-6.9	0
Stage 2-Prescavo	-7.1	0
Stage 2-Prescavo	-7.3	0
Stage 2-Prescavo	-7.5	0
Stage 2-Prescavo	-7.7	0
Stage 2-Prescavo	-7.9	0
Stage 2-Prescavo	-8.1	0
Stage 2-Prescavo	-8.3	0
Stage 2-Prescavo	-8.5	0
Stage 2-Prescavo	-8.7	0
Stage 2-Prescavo	-8.9	0
Stage 2-Prescavo	-9.1	0
Stage 2-Prescavo	-9.3	0
Stage 2-Prescavo	-9.5	0
Stage 2-Prescavo	-9.7	0
Stage 2-Prescavo	-9.9	0
Stage 2-Prescavo	-10.1	0
Stage 2-Prescavo	-10.3	0
Stage 2-Prescavo	-10.5	0
Stage 2-Prescavo	-10.7	0
Stage 2-Prescavo	-10.9	0
Stage 2-Prescavo	-11.1	0
Stage 2-Prescavo	-11.3	0
Stage 2-Prescavo	-11.5	0
Stage 2-Prescavo	-11.7	0
Stage 2-Prescavo	-11.9	0
Stage 2-Prescavo	-12.1	0
Stage 2-Prescavo	-12.3	0
Stage 2-Prescavo	-12.5	0
Stage 2-Prescavo	-12.7	0
Stage 2-Prescavo	-12.9	0

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 2-Prescavo	-13.1	0
Stage 2-Prescavo	-13.3	0
Stage 2-Prescavo	-13.5	0
Stage 2-Prescavo	-13.7	0
Stage 2-Prescavo	-13.9	0
Stage 2-Prescavo	-14.1	0
Stage 2-Prescavo	-14.3	0
Stage 2-Prescavo	-14.5	0
Stage 2-Prescavo	-14.7	0
Stage 2-Prescavo	-14.9	0
Stage 2-Prescavo	-15.1	0
Stage 2-Prescavo	-15.3	0
Stage 2-Prescavo	-15.5	0
Stage 2-Prescavo	-15.7	0
Stage 2-Prescavo	-15.9	0
Stage 2-Prescavo	-16.1	0
Stage 2-Prescavo	-16.3	0
Stage 2-Prescavo	-16.5	0
Stage 2-Prescavo	-16.7	0
Stage 2-Prescavo	-16.9	0
Stage 2-Prescavo	-17.1	0
Stage 2-Prescavo	-17.3	0
Stage 2-Prescavo	-17.5	0
Stage 2-Prescavo	-17.7	0
Stage 2-Prescavo	-17.9	0
Stage 2-Prescavo	-18.1	0
Stage 2-Prescavo	-18.3	0
Stage 2-Prescavo	-18.5	0
Stage 2-Prescavo	-18.7	0
Stage 2-Prescavo	-18.9	0
Stage 2-Prescavo	-19.1	0
Stage 2-Prescavo	-19.3	0

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

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2-Prescavo	-0.1	0	0
Stage 2-Prescavo	-0.3	0	0
Stage 2-Prescavo	-0.5	0	0
Stage 2-Prescavo	-0.7	0	0
Stage 2-Prescavo	-0.9	0	0
Stage 2-Prescavo	-1.1	0	0
Stage 2-Prescavo	-1.3	0	0
Stage 2-Prescavo	-1.5	0	0
Stage 2-Prescavo	-1.7	0	0
Stage 2-Prescavo	-1.9	0	0
Stage 2-Prescavo	-2.1	0	0
Stage 2-Prescavo	-2.3	0	0
Stage 2-Prescavo	-2.5	0	0
Stage 2-Prescavo	-2.7	0	0
Stage 2-Prescavo	-2.9	0	0
Stage 2-Prescavo	-3.1	0	0
Stage 2-Prescavo	-3.3	0	0
Stage 2-Prescavo	-3.5	0	0
Stage 2-Prescavo	-3.7	0	0
Stage 2-Prescavo	-3.9	0	0
Stage 2-Prescavo	-4.1	0	0
Stage 2-Prescavo	-4.3	0	0
Stage 2-Prescavo	-4.5	0	0
Stage 2-Prescavo	-4.7	0	0
Stage 2-Prescavo	-4.9	0	0
Stage 2-Prescavo	-5.1	0	0
Stage 2-Prescavo	-5.3	0	0
Stage 2-Prescavo	-5.5	0	0
Stage 2-Prescavo	-5.7	0	0
Stage 2-Prescavo	-5.9	0	0
Stage 2-Prescavo	-6.1	0	0
Stage 2-Prescavo	-6.3	0	0
Stage 2-Prescavo	-6.5	0	0
Stage 2-Prescavo	-6.7	0	0
Stage 2-Prescavo	-6.9	0	0
Stage 2-Prescavo	-7.1	0	0
Stage 2-Prescavo	-7.3	0	0
Stage 2-Prescavo	-7.5	0	0
Stage 2-Prescavo	-7.7	0	0
Stage 2-Prescavo	-7.9	0	0
Stage 2-Prescavo	-8.1	0	0
Stage 2-Prescavo	-8.3	0	0
Stage 2-Prescavo	-8.5	0	0
Stage 2-Prescavo	-8.7	0	0
Stage 2-Prescavo	-8.9	0	0
Stage 2-Prescavo	-9.1	0	0
Stage 2-Prescavo	-9.3	0	0
Stage 2-Prescavo	-9.5	0	0
Stage 2-Prescavo	-9.7	0	0
Stage 2-Prescavo	-9.9	0	0
Stage 2-Prescavo	-10.1	0	0
Stage 2-Prescavo	-10.3	0	0
Stage 2-Prescavo	-10.5	0	0
Stage 2-Prescavo	-10.7	0	0
Stage 2-Prescavo	-10.9	0	0
Stage 2-Prescavo	-11.1	0	0
Stage 2-Prescavo	-11.3	0	0
Stage 2-Prescavo	-11.5	0	0
Stage 2-Prescavo	-11.7	0	0
Stage 2-Prescavo	-11.9	0	0
Stage 2-Prescavo	-12.1	0	0
Stage 2-Prescavo	-12.3	0	0
Stage 2-Prescavo	-12.5	0	0
Stage 2-Prescavo	-12.7	0	0
Stage 2-Prescavo	-12.9	0	0

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2-Prescavo	-13.1	0	0
Stage 2-Prescavo	-13.3	0	0
Stage 2-Prescavo	-13.5	0	0
Stage 2-Prescavo	-13.7	0	0
Stage 2-Prescavo	-13.9	0	0
Stage 2-Prescavo	-14.1	0	0
Stage 2-Prescavo	-14.3	0	0
Stage 2-Prescavo	-14.5	0	0
Stage 2-Prescavo	-14.7	0	0
Stage 2-Prescavo	-14.9	0	0
Stage 2-Prescavo	-15.1	0	0
Stage 2-Prescavo	-15.3	0	0
Stage 2-Prescavo	-15.5	0	0
Stage 2-Prescavo	-15.7	0	0
Stage 2-Prescavo	-15.9	0	0
Stage 2-Prescavo	-16.1	0	0
Stage 2-Prescavo	-16.3	0	0
Stage 2-Prescavo	-16.5	0	0
Stage 2-Prescavo	-16.7	0	0
Stage 2-Prescavo	-16.9	0	0
Stage 2-Prescavo	-17.1	0	0
Stage 2-Prescavo	-17.3	0	0
Stage 2-Prescavo	-17.5	0	0
Stage 2-Prescavo	-17.7	0	0
Stage 2-Prescavo	-17.9	0	0
Stage 2-Prescavo	-18.1	0	0
Stage 2-Prescavo	-18.3	0	0
Stage 2-Prescavo	-18.5	0	0
Stage 2-Prescavo	-18.7	0	0
Stage 2-Prescavo	-18.9	0	0
Stage 2-Prescavo	-19.1	0	0
Stage 2-Prescavo	-19.3	0	0

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

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 3-Paratia	-0.1	0
Stage 3-Paratia	-0.3	0
Stage 3-Paratia	-0.5	0
Stage 3-Paratia	-0.7	0
Stage 3-Paratia	-0.9	0
Stage 3-Paratia	-1.1	0
Stage 3-Paratia	-1.3	0
Stage 3-Paratia	-1.5	0
Stage 3-Paratia	-1.7	0
Stage 3-Paratia	-1.9	0
Stage 3-Paratia	-2.1	0
Stage 3-Paratia	-2.3	0
Stage 3-Paratia	-2.5	0
Stage 3-Paratia	-2.7	0
Stage 3-Paratia	-2.9	0
Stage 3-Paratia	-3.1	0
Stage 3-Paratia	-3.3	0
Stage 3-Paratia	-3.5	0
Stage 3-Paratia	-3.7	0
Stage 3-Paratia	-3.9	0
Stage 3-Paratia	-4.1	0
Stage 3-Paratia	-4.3	0
Stage 3-Paratia	-4.5	0.01
Stage 3-Paratia	-4.7	0.02
Stage 3-Paratia	-4.9	0.02
Stage 3-Paratia	-5.1	0.02
Stage 3-Paratia	-5.3	0.02
Stage 3-Paratia	-5.5	0
Stage 3-Paratia	-5.7	0
Stage 3-Paratia	-5.9	0
Stage 3-Paratia	-6.1	0
Stage 3-Paratia	-6.3	0
Stage 3-Paratia	-6.5	0
Stage 3-Paratia	-6.7	0
Stage 3-Paratia	-6.9	0
Stage 3-Paratia	-7.1	0
Stage 3-Paratia	-7.3	0
Stage 3-Paratia	-7.5	0
Stage 3-Paratia	-7.7	0
Stage 3-Paratia	-7.9	0
Stage 3-Paratia	-8.1	0
Stage 3-Paratia	-8.3	0
Stage 3-Paratia	-8.5	0
Stage 3-Paratia	-8.7	0
Stage 3-Paratia	-8.9	0
Stage 3-Paratia	-9.1	0
Stage 3-Paratia	-9.3	0
Stage 3-Paratia	-9.5	0
Stage 3-Paratia	-9.7	0
Stage 3-Paratia	-9.9	0
Stage 3-Paratia	-10.1	0
Stage 3-Paratia	-10.3	0
Stage 3-Paratia	-10.5	0
Stage 3-Paratia	-10.7	0
Stage 3-Paratia	-10.9	0
Stage 3-Paratia	-11.1	0
Stage 3-Paratia	-11.3	0
Stage 3-Paratia	-11.5	0
Stage 3-Paratia	-11.7	0
Stage 3-Paratia	-11.9	0
Stage 3-Paratia	-12.1	0
Stage 3-Paratia	-12.3	0
Stage 3-Paratia	-12.5	0
Stage 3-Paratia	-12.7	0
Stage 3-Paratia	-12.9	0

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 3-Paratia	-13.1	0
Stage 3-Paratia	-13.3	0
Stage 3-Paratia	-13.5	0
Stage 3-Paratia	-13.7	0
Stage 3-Paratia	-13.9	0
Stage 3-Paratia	-14.1	0
Stage 3-Paratia	-14.3	0
Stage 3-Paratia	-14.5	0
Stage 3-Paratia	-14.7	0
Stage 3-Paratia	-14.9	0
Stage 3-Paratia	-15.1	0
Stage 3-Paratia	-15.3	0
Stage 3-Paratia	-15.5	0
Stage 3-Paratia	-15.7	0
Stage 3-Paratia	-15.9	0
Stage 3-Paratia	-16.1	0
Stage 3-Paratia	-16.3	0
Stage 3-Paratia	-16.5	0
Stage 3-Paratia	-16.7	0
Stage 3-Paratia	-16.9	0
Stage 3-Paratia	-17.1	0
Stage 3-Paratia	-17.3	0
Stage 3-Paratia	-17.5	0
Stage 3-Paratia	-17.7	0
Stage 3-Paratia	-17.9	0
Stage 3-Paratia	-18.1	0
Stage 3-Paratia	-18.3	0
Stage 3-Paratia	-18.5	0
Stage 3-Paratia	-18.7	0
Stage 3-Paratia	-18.9	0
Stage 3-Paratia	-19.1	0
Stage 3-Paratia	-19.3	0

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

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-0.1	0	0
Stage 3-Paratia	-0.3	0	0
Stage 3-Paratia	-0.5	0	0
Stage 3-Paratia	-0.7	0	0
Stage 3-Paratia	-0.9	0	0
Stage 3-Paratia	-1.1	0	0
Stage 3-Paratia	-1.3	0	0
Stage 3-Paratia	-1.5	0	0
Stage 3-Paratia	-1.7	0	0
Stage 3-Paratia	-1.9	0	0
Stage 3-Paratia	-2.1	0	0
Stage 3-Paratia	-2.3	0	0
Stage 3-Paratia	-2.5	0	0
Stage 3-Paratia	-2.7	0	0
Stage 3-Paratia	-2.9	0	0
Stage 3-Paratia	-3.1	0	0
Stage 3-Paratia	-3.3	0	0
Stage 3-Paratia	-3.5	0	0
Stage 3-Paratia	-3.7	0	0
Stage 3-Paratia	-3.9	0	0
Stage 3-Paratia	-4.1	0	0
Stage 3-Paratia	-4.3	0	0
Stage 3-Paratia	-4.3	0	0
Stage 3-Paratia	-4.5	0	0
Stage 3-Paratia	-4.5	0	0
Stage 3-Paratia	-4.7	0	0
Stage 3-Paratia	-4.7	0	0
Stage 3-Paratia	-4.9	0	0
Stage 3-Paratia	-4.9	0	0
Stage 3-Paratia	-5.1	0	0
Stage 3-Paratia	-5.1	0	0
Stage 3-Paratia	-5.3	0	0
Stage 3-Paratia	-5.3	0	0
Stage 3-Paratia	-5.5	0	0
Stage 3-Paratia	-5.5	0	0
Stage 3-Paratia	-5.7	0	0
Stage 3-Paratia	-5.7	0	0
Stage 3-Paratia	-5.9	0	0
Stage 3-Paratia	-5.9	0	0
Stage 3-Paratia	-6.1	0	0
Stage 3-Paratia	-6.1	0	0
Stage 3-Paratia	-6.3	0	0
Stage 3-Paratia	-6.3	0	0
Stage 3-Paratia	-6.5	0	0
Stage 3-Paratia	-6.5	0	0
Stage 3-Paratia	-6.7	0	0
Stage 3-Paratia	-6.7	0	0
Stage 3-Paratia	-6.9	0	0
Stage 3-Paratia	-6.9	0	0
Stage 3-Paratia	-7.1	0	0
Stage 3-Paratia	-7.1	0	0
Stage 3-Paratia	-7.3	0	0
Stage 3-Paratia	-7.3	0	0
Stage 3-Paratia	-7.5	0	0
Stage 3-Paratia	-7.5	0	0
Stage 3-Paratia	-7.7	0	0
Stage 3-Paratia	-7.7	0	0
Stage 3-Paratia	-7.9	0	0
Stage 3-Paratia	-7.9	0	0
Stage 3-Paratia	-8.1	0	0
Stage 3-Paratia	-8.1	0	0
Stage 3-Paratia	-8.3	0	0
Stage 3-Paratia	-8.3	0	0
Stage 3-Paratia	-8.5	0	0
Stage 3-Paratia	-8.5	0	0

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-8.7	0	0
Stage 3-Paratia	-8.7	0	0
Stage 3-Paratia	-8.9	0	0
Stage 3-Paratia	-8.9	0	0
Stage 3-Paratia	-9.1	0	0
Stage 3-Paratia	-9.1	0	0
Stage 3-Paratia	-9.3	0	0
Stage 3-Paratia	-9.3	0	0
Stage 3-Paratia	-9.5	0	0
Stage 3-Paratia	-9.5	0	0
Stage 3-Paratia	-9.7	0	0
Stage 3-Paratia	-9.7	0	0
Stage 3-Paratia	-9.9	0	0
Stage 3-Paratia	-9.9	0	0
Stage 3-Paratia	-10.1	0	0
Stage 3-Paratia	-10.1	0	0
Stage 3-Paratia	-10.3	0	0
Stage 3-Paratia	-10.3	0	0
Stage 3-Paratia	-10.5	0	0
Stage 3-Paratia	-10.5	0	0
Stage 3-Paratia	-10.7	0	0
Stage 3-Paratia	-10.7	0	0
Stage 3-Paratia	-10.9	0	0
Stage 3-Paratia	-10.9	0	0
Stage 3-Paratia	-11.1	0	0
Stage 3-Paratia	-11.1	0	0
Stage 3-Paratia	-11.3	0	0
Stage 3-Paratia	-11.3	0	0
Stage 3-Paratia	-11.5	0	0
Stage 3-Paratia	-11.5	0	0
Stage 3-Paratia	-11.7	0	0
Stage 3-Paratia	-11.7	0	0
Stage 3-Paratia	-11.9	0	0
Stage 3-Paratia	-11.9	0	0
Stage 3-Paratia	-12.1	0	0
Stage 3-Paratia	-12.1	0	0
Stage 3-Paratia	-12.3	0	0
Stage 3-Paratia	-12.3	0	0
Stage 3-Paratia	-12.5	0	0
Stage 3-Paratia	-12.5	0	0
Stage 3-Paratia	-12.7	0	0
Stage 3-Paratia	-12.7	0	0
Stage 3-Paratia	-12.9	0	0
Stage 3-Paratia	-12.9	0	0
Stage 3-Paratia	-13.1	0	0
Stage 3-Paratia	-13.1	0	0
Stage 3-Paratia	-13.3	0	0
Stage 3-Paratia	-13.3	0	0
Stage 3-Paratia	-13.5	0	0
Stage 3-Paratia	-13.5	0	0
Stage 3-Paratia	-13.7	0	0
Stage 3-Paratia	-13.7	0	0
Stage 3-Paratia	-13.9	0	0
Stage 3-Paratia	-13.9	0	0
Stage 3-Paratia	-14.1	0	0
Stage 3-Paratia	-14.1	0	0
Stage 3-Paratia	-14.3	0	0
Stage 3-Paratia	-14.3	0	0
Stage 3-Paratia	-14.5	0	0
Stage 3-Paratia	-14.5	0	0
Stage 3-Paratia	-14.7	0	0
Stage 3-Paratia	-14.7	0	0
Stage 3-Paratia	-14.9	0	0
Stage 3-Paratia	-14.9	0	0
Stage 3-Paratia	-15.1	0	0
Stage 3-Paratia	-15.1	0	0
Stage 3-Paratia	-15.3	0	0
Stage 3-Paratia	-15.3	0	0
Stage 3-Paratia	-15.5	0	0
Stage 3-Paratia	-15.5	0	0
Stage 3-Paratia	-15.7	0	0

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-15.7	0	0
Stage 3-Paratia	-15.9	0	0
Stage 3-Paratia	-15.9	0	0
Stage 3-Paratia	-16.1	0	0
Stage 3-Paratia	-16.1	0	0
Stage 3-Paratia	-16.3	0	0
Stage 3-Paratia	-16.3	0	0
Stage 3-Paratia	-16.5	0	0
Stage 3-Paratia	-16.5	0	0
Stage 3-Paratia	-16.7	0	0
Stage 3-Paratia	-16.7	0	0
Stage 3-Paratia	-16.9	0	0
Stage 3-Paratia	-16.9	0	0
Stage 3-Paratia	-17.1	0	0
Stage 3-Paratia	-17.1	0	0
Stage 3-Paratia	-17.3	0	0
Stage 3-Paratia	-17.3	0	0
Stage 3-Paratia	-17.5	0	0
Stage 3-Paratia	-17.5	0	0
Stage 3-Paratia	-17.7	0	0
Stage 3-Paratia	-17.7	0	0
Stage 3-Paratia	-17.9	0	0
Stage 3-Paratia	-17.9	0	0
Stage 3-Paratia	-18.1	0	0
Stage 3-Paratia	-18.1	0	0
Stage 3-Paratia	-18.3	0	0
Stage 3-Paratia	-18.3	0	0
Stage 3-Paratia	-18.5	0	0
Stage 3-Paratia	-18.5	0	0
Stage 3-Paratia	-18.7	0	0
Stage 3-Paratia	-18.7	0	0
Stage 3-Paratia	-18.9	0	0
Stage 3-Paratia	-18.9	0	0
Stage 3-Paratia	-19.1	0	0
Stage 3-Paratia	-19.1	0	0
Stage 3-Paratia	-19.3	0	0

6.1.7. Tabella Spostamento SLE (Rara/Frequente/Quasi Permanente) - LEFT Stage: Stage 4-Scavo H=2m

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 4-Scavo H=2m	-0.1	0.22
Stage 4-Scavo H=2m	-0.3	0.22
Stage 4-Scavo H=2m	-0.5	0.21
Stage 4-Scavo H=2m	-0.7	0.2
Stage 4-Scavo H=2m	-0.9	0.2
Stage 4-Scavo H=2m	-1.1	0.19
Stage 4-Scavo H=2m	-1.3	0.18
Stage 4-Scavo H=2m	-1.5	0.18
Stage 4-Scavo H=2m	-1.7	0.17
Stage 4-Scavo H=2m	-1.9	0.16
Stage 4-Scavo H=2m	-2.1	0.16
Stage 4-Scavo H=2m	-2.3	0.15
Stage 4-Scavo H=2m	-2.5	0.14
Stage 4-Scavo H=2m	-2.7	0.14
Stage 4-Scavo H=2m	-2.9	0.13
Stage 4-Scavo H=2m	-3.1	0.12
Stage 4-Scavo H=2m	-3.3	0.12
Stage 4-Scavo H=2m	-3.5	0.11
Stage 4-Scavo H=2m	-3.7	0.1
Stage 4-Scavo H=2m	-3.9	0.1
Stage 4-Scavo H=2m	-4.1	0.09
Stage 4-Scavo H=2m	-4.3	0.09
Stage 4-Scavo H=2m	-4.5	0.09
Stage 4-Scavo H=2m	-4.7	0.1
Stage 4-Scavo H=2m	-4.9	0.09
Stage 4-Scavo H=2m	-5.1	0.09
Stage 4-Scavo H=2m	-5.3	0.08
Stage 4-Scavo H=2m	-5.5	0.06
Stage 4-Scavo H=2m	-5.7	0.05
Stage 4-Scavo H=2m	-5.9	0.05
Stage 4-Scavo H=2m	-6.1	0.04
Stage 4-Scavo H=2m	-6.3	0.04
Stage 4-Scavo H=2m	-6.5	0.04
Stage 4-Scavo H=2m	-6.7	0.03
Stage 4-Scavo H=2m	-6.9	0.03
Stage 4-Scavo H=2m	-7.1	0.03
Stage 4-Scavo H=2m	-7.3	0.03
Stage 4-Scavo H=2m	-7.5	0.02
Stage 4-Scavo H=2m	-7.7	0.02
Stage 4-Scavo H=2m	-7.9	0.02
Stage 4-Scavo H=2m	-8.1	0.02
Stage 4-Scavo H=2m	-8.3	0.02
Stage 4-Scavo H=2m	-8.5	0.02
Stage 4-Scavo H=2m	-8.7	0.02
Stage 4-Scavo H=2m	-8.9	0.02
Stage 4-Scavo H=2m	-9.1	0.02
Stage 4-Scavo H=2m	-9.3	0.01
Stage 4-Scavo H=2m	-9.5	0.01
Stage 4-Scavo H=2m	-9.7	0.01
Stage 4-Scavo H=2m	-9.9	0.01
Stage 4-Scavo H=2m	-10.1	0.01
Stage 4-Scavo H=2m	-10.3	0.01
Stage 4-Scavo H=2m	-10.5	0.01
Stage 4-Scavo H=2m	-10.7	0.01
Stage 4-Scavo H=2m	-10.9	0.01
Stage 4-Scavo H=2m	-11.1	0.01
Stage 4-Scavo H=2m	-11.3	0.01
Stage 4-Scavo H=2m	-11.5	0.01
Stage 4-Scavo H=2m	-11.7	0.01
Stage 4-Scavo H=2m	-11.9	0.01
Stage 4-Scavo H=2m	-12.1	0.02
Stage 4-Scavo H=2m	-12.3	0.02
Stage 4-Scavo H=2m	-12.5	0.02
Stage 4-Scavo H=2m	-12.7	0.02
Stage 4-Scavo H=2m	-12.9	0.02

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 4-Scavo H=2m	-13.1	0.02
Stage 4-Scavo H=2m	-13.3	0.02
Stage 4-Scavo H=2m	-13.5	0.02
Stage 4-Scavo H=2m	-13.7	0.02
Stage 4-Scavo H=2m	-13.9	0.02
Stage 4-Scavo H=2m	-14.1	0.02
Stage 4-Scavo H=2m	-14.3	0.02
Stage 4-Scavo H=2m	-14.5	0.02
Stage 4-Scavo H=2m	-14.7	0.02
Stage 4-Scavo H=2m	-14.9	0.02
Stage 4-Scavo H=2m	-15.1	0.02
Stage 4-Scavo H=2m	-15.3	0.02
Stage 4-Scavo H=2m	-15.5	0.02
Stage 4-Scavo H=2m	-15.7	0.02
Stage 4-Scavo H=2m	-15.9	0.02
Stage 4-Scavo H=2m	-16.1	0.02
Stage 4-Scavo H=2m	-16.3	0.02
Stage 4-Scavo H=2m	-16.5	0.02
Stage 4-Scavo H=2m	-16.7	0.02
Stage 4-Scavo H=2m	-16.9	0.02
Stage 4-Scavo H=2m	-17.1	0.02
Stage 4-Scavo H=2m	-17.3	0.02
Stage 4-Scavo H=2m	-17.5	0.02
Stage 4-Scavo H=2m	-17.7	0.02
Stage 4-Scavo H=2m	-17.9	0.02
Stage 4-Scavo H=2m	-18.1	0.02
Stage 4-Scavo H=2m	-18.3	0.02
Stage 4-Scavo H=2m	-18.5	0.02
Stage 4-Scavo H=2m	-18.7	0.02
Stage 4-Scavo H=2m	-18.9	0.02
Stage 4-Scavo H=2m	-19.1	0.02
Stage 4-Scavo H=2m	-19.3	0.02

6.1.8. Tabella Risultati Paratia SLE (Rara/Frequente/Quasi Permanente) - Left Wall - Stage: Stage 4-Scavo H=2m

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=2m	-0.1	0	0
Stage 4-Scavo H=2m	-0.3	0	0
Stage 4-Scavo H=2m	-0.3	0	0
Stage 4-Scavo H=2m	-0.5	0	0
Stage 4-Scavo H=2m	-0.5	0	0
Stage 4-Scavo H=2m	-0.7	0	0
Stage 4-Scavo H=2m	-0.7	0	0
Stage 4-Scavo H=2m	-0.9	0	0
Stage 4-Scavo H=2m	-0.9	0	0
Stage 4-Scavo H=2m	-1.1	0	0
Stage 4-Scavo H=2m	-1.1	0	0
Stage 4-Scavo H=2m	-1.3	0	0.01
Stage 4-Scavo H=2m	-1.5	-0.08	-0.43
Stage 4-Scavo H=2m	-1.7	-0.35	-1.32
Stage 4-Scavo H=2m	-1.9	-0.88	-2.66
Stage 4-Scavo H=2m	-2.1	-1.77	-4.45
Stage 4-Scavo H=2m	-2.3	-3.11	-6.69
Stage 4-Scavo H=2m	-2.5	-4.48	-6.85
Stage 4-Scavo H=2m	-2.7	-5.86	-6.9
Stage 4-Scavo H=2m	-2.9	-7.24	-6.93
Stage 4-Scavo H=2m	-3.1	-8.64	-6.99
Stage 4-Scavo H=2m	-3.3	-10.06	-7.1
Stage 4-Scavo H=2m	-3.5	-11.52	-7.28
Stage 4-Scavo H=2m	-3.7	-13.03	-7.54
Stage 4-Scavo H=2m	-3.9	-14.6	-7.88
Stage 4-Scavo H=2m	-4.1	-16.26	-8.31
Stage 4-Scavo H=2m	-4.3	-18.03	-8.82
Stage 4-Scavo H=2m	-4.5	-19.91	-9.43
Stage 4-Scavo H=2m	-4.7	-21.94	-10.12
Stage 4-Scavo H=2m	-4.9	-24.12	-10.91
Stage 4-Scavo H=2m	-5.1	-26.48	-11.79
Stage 4-Scavo H=2m	-5.3	-29.03	-12.77
Stage 4-Scavo H=2m	-5.5	-31.8	-13.84
Stage 4-Scavo H=2m	-5.7	-33.91	-10.57
Stage 4-Scavo H=2m	-5.9	-35.39	-7.37
Stage 4-Scavo H=2m	-6.1	-36.24	-4.24
Stage 4-Scavo H=2m	-6.3	-36.47	-1.17
Stage 4-Scavo H=2m	-6.5	-36.18	1.44
Stage 4-Scavo H=2m	-6.7	-35.46	3.62
Stage 4-Scavo H=2m	-6.9	-34.38	5.41
Stage 4-Scavo H=2m	-7.1	-33.01	6.85
Stage 4-Scavo H=2m	-7.3	-31.41	7.97
Stage 4-Scavo H=2m	-7.5	-29.65	8.81
Stage 4-Scavo H=2m	-7.7	-27.77	9.41
Stage 4-Scavo H=2m	-7.9	-25.81	9.78
Stage 4-Scavo H=2m	-8.1	-23.82	9.97
Stage 4-Scavo H=2m	-8.3	-21.82	9.99
Stage 4-Scavo H=2m	-8.5	-19.84	9.88
Stage 4-Scavo H=2m	-8.7	-17.91	9.65
Stage 4-Scavo H=2m	-8.9	-16.05	9.33
Stage 4-Scavo H=2m	-9.1	-14.26	8.93
Stage 4-Scavo H=2m	-9.3	-12.56	8.48
Stage 4-Scavo H=2m	-9.5	-10.97	7.98
Stage 4-Scavo H=2m	-9.7	-9.48	7.44
Stage 4-Scavo H=2m	-9.9	-8.1	6.89
Stage 4-Scavo H=2m	-10.1	-6.84	6.33
Stage 4-Scavo H=2m	-10.3	-5.68	5.77
Stage 4-Scavo H=2m	-10.5	-4.64	5.21
Stage 4-Scavo H=2m	-10.7	-3.71	4.67
Stage 4-Scavo H=2m	-10.9	-2.88	4.14
Stage 4-Scavo H=2m	-11.1	-2.15	3.63
Stage 4-Scavo H=2m	-11.3	-1.52	3.15
Stage 4-Scavo H=2m	-11.5	-0.98	2.69
Stage 4-Scavo H=2m	-11.7	-0.53	2.26
Stage 4-Scavo H=2m	-11.9	-0.16	1.85

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=2m	-12.1	0.13	1.48
Stage 4-Scavo H=2m	-12.3	0.36	1.13
Stage 4-Scavo H=2m	-12.5	0.52	0.81
Stage 4-Scavo H=2m	-12.7	0.62	0.52
Stage 4-Scavo H=2m	-12.9	0.67	0.26
Stage 4-Scavo H=2m	-13.1	0.68	0.02
Stage 4-Scavo H=2m	-13.3	0.64	-0.19
Stage 4-Scavo H=2m	-13.5	0.57	-0.38
Stage 4-Scavo H=2m	-13.7	0.46	-0.54
Stage 4-Scavo H=2m	-13.9	0.32	-0.67
Stage 4-Scavo H=2m	-14.1	0.16	-0.79
Stage 4-Scavo H=2m	-14.3	-0.01	-0.88
Stage 4-Scavo H=2m	-14.5	-0.2	-0.95
Stage 4-Scavo H=2m	-14.7	-0.4	-0.99
Stage 4-Scavo H=2m	-14.9	-0.6	-1.01
Stage 4-Scavo H=2m	-15.1	-0.8	-1.01
Stage 4-Scavo H=2m	-15.3	-1	-0.99
Stage 4-Scavo H=2m	-15.5	-1.19	-0.94
Stage 4-Scavo H=2m	-15.7	-1.36	-0.86
Stage 4-Scavo H=2m	-15.9	-1.51	-0.76
Stage 4-Scavo H=2m	-16.1	-1.64	-0.63
Stage 4-Scavo H=2m	-16.3	-1.73	-0.47
Stage 4-Scavo H=2m	-16.5	-1.79	-0.28
Stage 4-Scavo H=2m	-16.7	-1.8	-0.05
Stage 4-Scavo H=2m	-16.9	-1.76	0.21
Stage 4-Scavo H=2m	-17.1	-1.65	0.51
Stage 4-Scavo H=2m	-17.3	-1.48	0.85
Stage 4-Scavo H=2m	-17.5	-1.24	1.22
Stage 4-Scavo H=2m	-17.7	-0.91	1.64
Stage 4-Scavo H=2m	-17.9	-0.64	1.33
Stage 4-Scavo H=2m	-18.1	-0.43	1.05
Stage 4-Scavo H=2m	-18.3	-0.27	0.8
Stage 4-Scavo H=2m	-18.5	-0.16	0.58
Stage 4-Scavo H=2m	-18.7	-0.08	0.4
Stage 4-Scavo H=2m	-18.9	-0.03	0.24
Stage 4-Scavo H=2m	-19.1	-0.01	0.12
Stage 4-Scavo H=2m	-19.3	0	0.03

6.1.9. Tabella Spostamento SLE (Rara/Frequente/Quasi Permanente) - LEFT Stage: Stage 5-Scavo H=4m

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 5-Scavo H=4m	-0.1	0.85
Stage 5-Scavo H=4m	-0.3	0.83
Stage 5-Scavo H=4m	-0.5	0.81
Stage 5-Scavo H=4m	-0.7	0.79
Stage 5-Scavo H=4m	-0.9	0.77
Stage 5-Scavo H=4m	-1.1	0.75
Stage 5-Scavo H=4m	-1.3	0.73
Stage 5-Scavo H=4m	-1.5	0.7
Stage 5-Scavo H=4m	-1.7	0.68
Stage 5-Scavo H=4m	-1.9	0.66
Stage 5-Scavo H=4m	-2.1	0.64
Stage 5-Scavo H=4m	-2.3	0.62
Stage 5-Scavo H=4m	-2.5	0.6
Stage 5-Scavo H=4m	-2.7	0.58
Stage 5-Scavo H=4m	-2.9	0.56
Stage 5-Scavo H=4m	-3.1	0.54
Stage 5-Scavo H=4m	-3.3	0.52
Stage 5-Scavo H=4m	-3.5	0.5
Stage 5-Scavo H=4m	-3.7	0.48
Stage 5-Scavo H=4m	-3.9	0.46
Stage 5-Scavo H=4m	-4.1	0.44
Stage 5-Scavo H=4m	-4.3	0.41
Stage 5-Scavo H=4m	-4.5	0.41
Stage 5-Scavo H=4m	-4.7	0.4
Stage 5-Scavo H=4m	-4.9	0.38
Stage 5-Scavo H=4m	-5.1	0.36
Stage 5-Scavo H=4m	-5.3	0.34
Stage 5-Scavo H=4m	-5.5	0.3
Stage 5-Scavo H=4m	-5.7	0.28
Stage 5-Scavo H=4m	-5.9	0.27
Stage 5-Scavo H=4m	-6.1	0.25
Stage 5-Scavo H=4m	-6.3	0.23
Stage 5-Scavo H=4m	-6.5	0.22
Stage 5-Scavo H=4m	-6.7	0.2
Stage 5-Scavo H=4m	-6.9	0.19
Stage 5-Scavo H=4m	-7.1	0.18
Stage 5-Scavo H=4m	-7.3	0.16
Stage 5-Scavo H=4m	-7.5	0.15
Stage 5-Scavo H=4m	-7.7	0.14
Stage 5-Scavo H=4m	-7.9	0.13
Stage 5-Scavo H=4m	-8.1	0.12
Stage 5-Scavo H=4m	-8.3	0.11
Stage 5-Scavo H=4m	-8.5	0.1
Stage 5-Scavo H=4m	-8.7	0.1
Stage 5-Scavo H=4m	-8.9	0.09
Stage 5-Scavo H=4m	-9.1	0.08
Stage 5-Scavo H=4m	-9.3	0.08
Stage 5-Scavo H=4m	-9.5	0.07
Stage 5-Scavo H=4m	-9.7	0.07
Stage 5-Scavo H=4m	-9.9	0.06
Stage 5-Scavo H=4m	-10.1	0.06
Stage 5-Scavo H=4m	-10.3	0.06
Stage 5-Scavo H=4m	-10.5	0.05
Stage 5-Scavo H=4m	-10.7	0.05
Stage 5-Scavo H=4m	-10.9	0.05
Stage 5-Scavo H=4m	-11.1	0.05
Stage 5-Scavo H=4m	-11.3	0.05
Stage 5-Scavo H=4m	-11.5	0.04
Stage 5-Scavo H=4m	-11.7	0.04
Stage 5-Scavo H=4m	-11.9	0.04
Stage 5-Scavo H=4m	-12.1	0.04
Stage 5-Scavo H=4m	-12.3	0.04
Stage 5-Scavo H=4m	-12.5	0.04
Stage 5-Scavo H=4m	-12.7	0.04
Stage 5-Scavo H=4m	-12.9	0.04

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 5-Scavo H=4m	-13.1	0.04
Stage 5-Scavo H=4m	-13.3	0.04
Stage 5-Scavo H=4m	-13.5	0.04
Stage 5-Scavo H=4m	-13.7	0.04
Stage 5-Scavo H=4m	-13.9	0.04
Stage 5-Scavo H=4m	-14.1	0.04
Stage 5-Scavo H=4m	-14.3	0.04
Stage 5-Scavo H=4m	-14.5	0.05
Stage 5-Scavo H=4m	-14.7	0.05
Stage 5-Scavo H=4m	-14.9	0.05
Stage 5-Scavo H=4m	-15.1	0.05
Stage 5-Scavo H=4m	-15.3	0.05
Stage 5-Scavo H=4m	-15.5	0.05
Stage 5-Scavo H=4m	-15.7	0.05
Stage 5-Scavo H=4m	-15.9	0.05
Stage 5-Scavo H=4m	-16.1	0.05
Stage 5-Scavo H=4m	-16.3	0.05
Stage 5-Scavo H=4m	-16.5	0.05
Stage 5-Scavo H=4m	-16.7	0.06
Stage 5-Scavo H=4m	-16.9	0.06
Stage 5-Scavo H=4m	-17.1	0.06
Stage 5-Scavo H=4m	-17.3	0.06
Stage 5-Scavo H=4m	-17.5	0.06
Stage 5-Scavo H=4m	-17.7	0.06
Stage 5-Scavo H=4m	-17.9	0.06
Stage 5-Scavo H=4m	-18.1	0.06
Stage 5-Scavo H=4m	-18.3	0.07
Stage 5-Scavo H=4m	-18.5	0.07
Stage 5-Scavo H=4m	-18.7	0.07
Stage 5-Scavo H=4m	-18.9	0.07
Stage 5-Scavo H=4m	-19.1	0.07
Stage 5-Scavo H=4m	-19.3	0.07

6.1.10. Tabella Risultati Paratia SLE (Rara/Frequente/Quasi Permanente) - Left Wall - Stage: Stage 5-Scavo H=4m

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=4m	-0.1	0	0
Stage 5-Scavo H=4m	-0.3	0	0
Stage 5-Scavo H=4m	-0.3	0	0
Stage 5-Scavo H=4m	-0.5	0	0
Stage 5-Scavo H=4m	-0.5	0	0
Stage 5-Scavo H=4m	-0.7	0	0
Stage 5-Scavo H=4m	-0.7	0	0
Stage 5-Scavo H=4m	-0.9	0	0
Stage 5-Scavo H=4m	-0.9	0	0
Stage 5-Scavo H=4m	-1.1	0	0
Stage 5-Scavo H=4m	-1.1	0	0
Stage 5-Scavo H=4m	-1.3	0	0
Stage 5-Scavo H=4m	-1.3	0	0
Stage 5-Scavo H=4m	-1.5	0	0
Stage 5-Scavo H=4m	-1.5	0	0
Stage 5-Scavo H=4m	-1.7	0	0
Stage 5-Scavo H=4m	-1.7	0	0
Stage 5-Scavo H=4m	-1.9	0	0
Stage 5-Scavo H=4m	-1.9	0	0
Stage 5-Scavo H=4m	-2.1	-0.03	-0.17
Stage 5-Scavo H=4m	-2.3	-0.16	-0.64
Stage 5-Scavo H=4m	-2.5	-0.44	-1.4
Stage 5-Scavo H=4m	-2.7	-0.93	-2.46
Stage 5-Scavo H=4m	-2.9	-1.69	-3.81
Stage 5-Scavo H=4m	-3.1	-2.81	-5.59
Stage 5-Scavo H=4m	-3.3	-4.39	-7.89
Stage 5-Scavo H=4m	-3.5	-6.53	-10.72
Stage 5-Scavo H=4m	-3.7	-9.35	-14.06
Stage 5-Scavo H=4m	-3.9	-12.93	-17.94
Stage 5-Scavo H=4m	-4.1	-17.4	-22.33
Stage 5-Scavo H=4m	-4.3	-22.85	-27.24
Stage 5-Scavo H=4m	-4.5	-28.61	-28.81
Stage 5-Scavo H=4m	-4.7	-34.65	-30.21
Stage 5-Scavo H=4m	-4.9	-40.97	-31.6
Stage 5-Scavo H=4m	-5.1	-47.6	-33.14
Stage 5-Scavo H=4m	-5.3	-54.56	-34.82
Stage 5-Scavo H=4m	-5.5	-61.9	-36.66
Stage 5-Scavo H=4m	-5.7	-68.33	-32.16
Stage 5-Scavo H=4m	-5.9	-73.89	-27.83
Stage 5-Scavo H=4m	-6.1	-78.63	-23.68
Stage 5-Scavo H=4m	-6.3	-82.57	-19.69
Stage 5-Scavo H=4m	-6.5	-85.74	-15.86
Stage 5-Scavo H=4m	-6.7	-88.18	-12.18
Stage 5-Scavo H=4m	-6.9	-89.91	-8.64
Stage 5-Scavo H=4m	-7.1	-90.95	-5.24
Stage 5-Scavo H=4m	-7.3	-91.34	-1.96
Stage 5-Scavo H=4m	-7.5	-91.1	1.21
Stage 5-Scavo H=4m	-7.7	-90.28	4.12
Stage 5-Scavo H=4m	-7.9	-88.94	6.71
Stage 5-Scavo H=4m	-8.1	-87.13	9.01
Stage 5-Scavo H=4m	-8.3	-84.92	11.05
Stage 5-Scavo H=4m	-8.5	-82.36	12.84
Stage 5-Scavo H=4m	-8.7	-79.47	14.41
Stage 5-Scavo H=4m	-8.9	-76.32	15.78
Stage 5-Scavo H=4m	-9.1	-72.93	16.97
Stage 5-Scavo H=4m	-9.3	-69.32	18
Stage 5-Scavo H=4m	-9.5	-65.55	18.87
Stage 5-Scavo H=4m	-9.7	-61.67	19.41
Stage 5-Scavo H=4m	-9.9	-57.74	19.67
Stage 5-Scavo H=4m	-10.1	-53.8	19.68
Stage 5-Scavo H=4m	-10.3	-49.9	19.48
Stage 5-Scavo H=4m	-10.5	-46.09	19.09
Stage 5-Scavo H=4m	-10.7	-42.37	18.56
Stage 5-Scavo H=4m	-10.9	-38.8	17.9
Stage 5-Scavo H=4m	-11.1	-35.37	17.13

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=4m	-11.3	-32.11	16.28
Stage 5-Scavo H=4m	-11.5	-29.04	15.37
Stage 5-Scavo H=4m	-11.7	-26.16	14.41
Stage 5-Scavo H=4m	-11.9	-23.47	13.43
Stage 5-Scavo H=4m	-12.1	-20.99	12.42
Stage 5-Scavo H=4m	-12.3	-18.7	11.41
Stage 5-Scavo H=4m	-12.5	-16.62	10.41
Stage 5-Scavo H=4m	-12.7	-14.74	9.42
Stage 5-Scavo H=4m	-12.9	-13.05	8.46
Stage 5-Scavo H=4m	-13.1	-11.54	7.52
Stage 5-Scavo H=4m	-13.3	-10.22	6.63
Stage 5-Scavo H=4m	-13.5	-9.06	5.77
Stage 5-Scavo H=4m	-13.7	-8.07	4.96
Stage 5-Scavo H=4m	-13.9	-7.23	4.21
Stage 5-Scavo H=4m	-14.1	-6.53	3.5
Stage 5-Scavo H=4m	-14.3	-5.95	2.86
Stage 5-Scavo H=4m	-14.5	-5.5	2.28
Stage 5-Scavo H=4m	-14.7	-5.15	1.76
Stage 5-Scavo H=4m	-14.9	-4.88	1.31
Stage 5-Scavo H=4m	-15.1	-4.7	0.93
Stage 5-Scavo H=4m	-15.3	-4.58	0.62
Stage 5-Scavo H=4m	-15.5	-4.5	0.38
Stage 5-Scavo H=4m	-15.7	-4.46	0.23
Stage 5-Scavo H=4m	-15.9	-4.43	0.15
Stage 5-Scavo H=4m	-16.1	-4.39	0.16
Stage 5-Scavo H=4m	-16.3	-4.34	0.25
Stage 5-Scavo H=4m	-16.5	-4.26	0.44
Stage 5-Scavo H=4m	-16.7	-4.11	0.71
Stage 5-Scavo H=4m	-16.9	-3.9	1.08
Stage 5-Scavo H=4m	-17.1	-3.59	1.55
Stage 5-Scavo H=4m	-17.3	-3.16	2.13
Stage 5-Scavo H=4m	-17.5	-2.6	2.8
Stage 5-Scavo H=4m	-17.7	-1.88	3.58
Stage 5-Scavo H=4m	-17.9	-1.31	2.87
Stage 5-Scavo H=4m	-18.1	-0.87	2.23
Stage 5-Scavo H=4m	-18.3	-0.53	1.66
Stage 5-Scavo H=4m	-18.5	-0.3	1.18
Stage 5-Scavo H=4m	-18.7	-0.14	0.78
Stage 5-Scavo H=4m	-18.9	-0.05	0.45
Stage 5-Scavo H=4m	-19.1	-0.01	0.21
Stage 5-Scavo H=4m	-19.3	0	0.04

6.1.11. Tabella Spostamento SLE (Rara/Frequente/Quasi Permanente) - LEFT Stage: Stage 6-Scavo H=6.5m

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 6-Scavo H=6.5m	-0.1	5.87
Stage 6-Scavo H=6.5m	-0.3	5.76
Stage 6-Scavo H=6.5m	-0.5	5.66
Stage 6-Scavo H=6.5m	-0.7	5.55
Stage 6-Scavo H=6.5m	-0.9	5.45
Stage 6-Scavo H=6.5m	-1.1	5.34
Stage 6-Scavo H=6.5m	-1.3	5.23
Stage 6-Scavo H=6.5m	-1.5	5.13
Stage 6-Scavo H=6.5m	-1.7	5.02
Stage 6-Scavo H=6.5m	-1.9	4.91
Stage 6-Scavo H=6.5m	-2.1	4.81
Stage 6-Scavo H=6.5m	-2.3	4.7
Stage 6-Scavo H=6.5m	-2.5	4.59
Stage 6-Scavo H=6.5m	-2.7	4.49
Stage 6-Scavo H=6.5m	-2.9	4.38
Stage 6-Scavo H=6.5m	-3.1	4.28
Stage 6-Scavo H=6.5m	-3.3	4.17
Stage 6-Scavo H=6.5m	-3.5	4.06
Stage 6-Scavo H=6.5m	-3.7	3.96
Stage 6-Scavo H=6.5m	-3.9	3.85
Stage 6-Scavo H=6.5m	-4.1	3.75
Stage 6-Scavo H=6.5m	-4.3	3.64
Stage 6-Scavo H=6.5m	-4.5	3.55
Stage 6-Scavo H=6.5m	-4.7	3.45
Stage 6-Scavo H=6.5m	-4.9	3.35
Stage 6-Scavo H=6.5m	-5.1	3.24
Stage 6-Scavo H=6.5m	-5.3	3.14
Stage 6-Scavo H=6.5m	-5.5	3.01
Stage 6-Scavo H=6.5m	-5.7	2.91
Stage 6-Scavo H=6.5m	-5.9	2.81
Stage 6-Scavo H=6.5m	-6.1	2.7
Stage 6-Scavo H=6.5m	-6.3	2.6
Stage 6-Scavo H=6.5m	-6.5	2.5
Stage 6-Scavo H=6.5m	-6.7	2.4
Stage 6-Scavo H=6.5m	-6.9	2.3
Stage 6-Scavo H=6.5m	-7.1	2.21
Stage 6-Scavo H=6.5m	-7.3	2.11
Stage 6-Scavo H=6.5m	-7.5	2.02
Stage 6-Scavo H=6.5m	-7.7	1.93
Stage 6-Scavo H=6.5m	-7.9	1.84
Stage 6-Scavo H=6.5m	-8.1	1.75
Stage 6-Scavo H=6.5m	-8.3	1.67
Stage 6-Scavo H=6.5m	-8.5	1.58
Stage 6-Scavo H=6.5m	-8.7	1.5
Stage 6-Scavo H=6.5m	-8.9	1.42
Stage 6-Scavo H=6.5m	-9.1	1.35
Stage 6-Scavo H=6.5m	-9.3	1.28
Stage 6-Scavo H=6.5m	-9.5	1.21
Stage 6-Scavo H=6.5m	-9.7	1.14
Stage 6-Scavo H=6.5m	-9.9	1.07
Stage 6-Scavo H=6.5m	-10.1	1.01
Stage 6-Scavo H=6.5m	-10.3	0.95
Stage 6-Scavo H=6.5m	-10.5	0.89
Stage 6-Scavo H=6.5m	-10.7	0.84
Stage 6-Scavo H=6.5m	-10.9	0.79
Stage 6-Scavo H=6.5m	-11.1	0.74
Stage 6-Scavo H=6.5m	-11.3	0.69
Stage 6-Scavo H=6.5m	-11.5	0.65
Stage 6-Scavo H=6.5m	-11.7	0.6
Stage 6-Scavo H=6.5m	-11.9	0.56
Stage 6-Scavo H=6.5m	-12.1	0.53
Stage 6-Scavo H=6.5m	-12.3	0.49
Stage 6-Scavo H=6.5m	-12.5	0.46
Stage 6-Scavo H=6.5m	-12.7	0.43
Stage 6-Scavo H=6.5m	-12.9	0.4

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 6-Scavo H=6.5m	-13.1	0.37
Stage 6-Scavo H=6.5m	-13.3	0.35
Stage 6-Scavo H=6.5m	-13.5	0.32
Stage 6-Scavo H=6.5m	-13.7	0.3
Stage 6-Scavo H=6.5m	-13.9	0.28
Stage 6-Scavo H=6.5m	-14.1	0.26
Stage 6-Scavo H=6.5m	-14.3	0.25
Stage 6-Scavo H=6.5m	-14.5	0.23
Stage 6-Scavo H=6.5m	-14.7	0.22
Stage 6-Scavo H=6.5m	-14.9	0.2
Stage 6-Scavo H=6.5m	-15.1	0.19
Stage 6-Scavo H=6.5m	-15.3	0.18
Stage 6-Scavo H=6.5m	-15.5	0.17
Stage 6-Scavo H=6.5m	-15.7	0.16
Stage 6-Scavo H=6.5m	-15.9	0.15
Stage 6-Scavo H=6.5m	-16.1	0.15
Stage 6-Scavo H=6.5m	-16.3	0.14
Stage 6-Scavo H=6.5m	-16.5	0.13
Stage 6-Scavo H=6.5m	-16.7	0.13
Stage 6-Scavo H=6.5m	-16.9	0.12
Stage 6-Scavo H=6.5m	-17.1	0.12
Stage 6-Scavo H=6.5m	-17.3	0.12
Stage 6-Scavo H=6.5m	-17.5	0.11
Stage 6-Scavo H=6.5m	-17.7	0.11
Stage 6-Scavo H=6.5m	-17.9	0.1
Stage 6-Scavo H=6.5m	-18.1	0.1
Stage 6-Scavo H=6.5m	-18.3	0.1
Stage 6-Scavo H=6.5m	-18.5	0.1
Stage 6-Scavo H=6.5m	-18.7	0.09
Stage 6-Scavo H=6.5m	-18.9	0.09
Stage 6-Scavo H=6.5m	-19.1	0.09
Stage 6-Scavo H=6.5m	-19.3	0.08

6.1.12. Tabella Risultati Paratia SLE (Rara/Frequente/Quasi Permanente) - Left Wall - Stage: Stage 6-Scavo H=6.5m

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=6.5m	-0.1	0	0
Stage 6-Scavo H=6.5m	-0.3	0	0
Stage 6-Scavo H=6.5m	-0.3	0	0
Stage 6-Scavo H=6.5m	-0.5	0	0
Stage 6-Scavo H=6.5m	-0.5	0	0
Stage 6-Scavo H=6.5m	-0.7	0	0
Stage 6-Scavo H=6.5m	-0.7	0	0
Stage 6-Scavo H=6.5m	-0.9	0	0
Stage 6-Scavo H=6.5m	-0.9	0	0
Stage 6-Scavo H=6.5m	-1.1	0	0
Stage 6-Scavo H=6.5m	-1.1	0	0
Stage 6-Scavo H=6.5m	-1.3	0	0
Stage 6-Scavo H=6.5m	-1.3	0	0
Stage 6-Scavo H=6.5m	-1.5	0	0
Stage 6-Scavo H=6.5m	-1.5	0	0
Stage 6-Scavo H=6.5m	-1.7	0	0
Stage 6-Scavo H=6.5m	-1.7	0	0
Stage 6-Scavo H=6.5m	-1.9	0	0
Stage 6-Scavo H=6.5m	-1.9	0	0
Stage 6-Scavo H=6.5m	-2.1	-0.03	-0.17
Stage 6-Scavo H=6.5m	-2.3	-0.16	-0.64
Stage 6-Scavo H=6.5m	-2.5	-0.44	-1.4
Stage 6-Scavo H=6.5m	-2.7	-0.93	-2.46
Stage 6-Scavo H=6.5m	-2.9	-1.69	-3.81
Stage 6-Scavo H=6.5m	-3.1	-2.79	-5.46
Stage 6-Scavo H=6.5m	-3.3	-4.27	-7.41
Stage 6-Scavo H=6.5m	-3.5	-6.2	-9.66
Stage 6-Scavo H=6.5m	-3.7	-8.64	-12.2
Stage 6-Scavo H=6.5m	-3.9	-11.65	-15.03
Stage 6-Scavo H=6.5m	-4.1	-15.28	-18.17
Stage 6-Scavo H=6.5m	-4.3	-19.6	-21.6
Stage 6-Scavo H=6.5m	-4.5	-24.66	-25.32
Stage 6-Scavo H=6.5m	-4.7	-30.53	-29.35
Stage 6-Scavo H=6.5m	-4.9	-37.27	-33.67
Stage 6-Scavo H=6.5m	-5.1	-44.92	-38.28
Stage 6-Scavo H=6.5m	-5.3	-53.56	-43.19
Stage 6-Scavo H=6.5m	-5.5	-63.24	-48.4
Stage 6-Scavo H=6.5m	-5.7	-74.35	-55.55
Stage 6-Scavo H=6.5m	-5.9	-86.97	-63.09
Stage 6-Scavo H=6.5m	-6.1	-101.17	-71.01
Stage 6-Scavo H=6.5m	-6.3	-117.04	-79.32
Stage 6-Scavo H=6.5m	-6.5	-134.64	-88.02
Stage 6-Scavo H=6.5m	-6.7	-154.06	-97.1
Stage 6-Scavo H=6.5m	-6.9	-173.61	-97.72
Stage 6-Scavo H=6.5m	-7.1	-192.82	-96.07
Stage 6-Scavo H=6.5m	-7.3	-211.27	-92.26
Stage 6-Scavo H=6.5m	-7.5	-228.72	-87.22
Stage 6-Scavo H=6.5m	-7.7	-244.91	-80.97
Stage 6-Scavo H=6.5m	-7.9	-259.61	-73.51
Stage 6-Scavo H=6.5m	-8.1	-272.58	-64.82
Stage 6-Scavo H=6.5m	-8.3	-283.78	-56
Stage 6-Scavo H=6.5m	-8.5	-293.31	-47.67
Stage 6-Scavo H=6.5m	-8.7	-301.27	-39.81
Stage 6-Scavo H=6.5m	-8.9	-307.75	-32.41
Stage 6-Scavo H=6.5m	-9.1	-312.84	-25.45
Stage 6-Scavo H=6.5m	-9.3	-316.63	-18.92
Stage 6-Scavo H=6.5m	-9.5	-319.19	-12.8
Stage 6-Scavo H=6.5m	-9.7	-320.6	-7.07
Stage 6-Scavo H=6.5m	-9.9	-320.94	-1.72
Stage 6-Scavo H=6.5m	-10.1	-320.29	3.27
Stage 6-Scavo H=6.5m	-10.3	-318.7	7.92
Stage 6-Scavo H=6.5m	-10.5	-316.26	12.25
Stage 6-Scavo H=6.5m	-10.7	-313	16.26
Stage 6-Scavo H=6.5m	-10.9	-309.01	19.98
Stage 6-Scavo H=6.5m	-11.1	-304.33	23.42

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=6.5m	-11.3	-299.01	26.59
Stage 6-Scavo H=6.5m	-11.5	-293.1	29.52
Stage 6-Scavo H=6.5m	-11.7	-286.66	32.22
Stage 6-Scavo H=6.5m	-11.9	-279.72	34.7
Stage 6-Scavo H=6.5m	-12.1	-272.32	36.97
Stage 6-Scavo H=6.5m	-12.3	-264.51	39.05
Stage 6-Scavo H=6.5m	-12.5	-256.32	40.95
Stage 6-Scavo H=6.5m	-12.7	-247.78	42.69
Stage 6-Scavo H=6.5m	-12.9	-238.93	44.28
Stage 6-Scavo H=6.5m	-13.1	-229.79	45.72
Stage 6-Scavo H=6.5m	-13.3	-220.38	47.03
Stage 6-Scavo H=6.5m	-13.5	-210.73	48.22
Stage 6-Scavo H=6.5m	-13.7	-200.87	49.31
Stage 6-Scavo H=6.5m	-13.9	-190.84	50.17
Stage 6-Scavo H=6.5m	-14.1	-180.69	50.73
Stage 6-Scavo H=6.5m	-14.3	-170.49	51.01
Stage 6-Scavo H=6.5m	-14.5	-160.28	51.05
Stage 6-Scavo H=6.5m	-14.7	-150.11	50.87
Stage 6-Scavo H=6.5m	-14.9	-140.01	50.48
Stage 6-Scavo H=6.5m	-15.1	-130.03	49.92
Stage 6-Scavo H=6.5m	-15.3	-120.19	49.2
Stage 6-Scavo H=6.5m	-15.5	-110.52	48.34
Stage 6-Scavo H=6.5m	-15.7	-101.05	47.35
Stage 6-Scavo H=6.5m	-15.9	-91.8	46.26
Stage 6-Scavo H=6.5m	-16.1	-82.78	45.08
Stage 6-Scavo H=6.5m	-16.3	-74.02	43.81
Stage 6-Scavo H=6.5m	-16.5	-65.53	42.46
Stage 6-Scavo H=6.5m	-16.7	-57.35	40.87
Stage 6-Scavo H=6.5m	-16.9	-49.54	39.05
Stage 6-Scavo H=6.5m	-17.1	-42.14	37.02
Stage 6-Scavo H=6.5m	-17.3	-35.18	34.79
Stage 6-Scavo H=6.5m	-17.5	-28.7	32.38
Stage 6-Scavo H=6.5m	-17.7	-22.75	29.79
Stage 6-Scavo H=6.5m	-17.9	-17.46	26.41
Stage 6-Scavo H=6.5m	-18.1	-12.87	22.99
Stage 6-Scavo H=6.5m	-18.3	-8.96	19.53
Stage 6-Scavo H=6.5m	-18.5	-5.75	16.05
Stage 6-Scavo H=6.5m	-18.7	-3.24	12.53
Stage 6-Scavo H=6.5m	-18.9	-1.45	8.99
Stage 6-Scavo H=6.5m	-19.1	-0.36	5.42
Stage 6-Scavo H=6.5m	-19.3	0	1.81

6.1.13. Tabella Spostamento SLE (Rara/Frequente/Quasi Permanente) - LEFT Stage: Sismica

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Sismica	-0.1	5.87
Sismica	-0.3	5.76
Sismica	-0.5	5.66
Sismica	-0.7	5.55
Sismica	-0.9	5.45
Sismica	-1.1	5.34
Sismica	-1.3	5.23
Sismica	-1.5	5.13
Sismica	-1.7	5.02
Sismica	-1.9	4.91
Sismica	-2.1	4.81
Sismica	-2.3	4.7
Sismica	-2.5	4.59
Sismica	-2.7	4.49
Sismica	-2.9	4.38
Sismica	-3.1	4.28
Sismica	-3.3	4.17
Sismica	-3.5	4.06
Sismica	-3.7	3.96
Sismica	-3.9	3.85
Sismica	-4.1	3.75
Sismica	-4.3	3.64
Sismica	-4.5	3.55
Sismica	-4.7	3.45
Sismica	-4.9	3.35
Sismica	-5.1	3.24
Sismica	-5.3	3.14
Sismica	-5.5	3.01
Sismica	-5.7	2.91
Sismica	-5.9	2.81
Sismica	-6.1	2.7
Sismica	-6.3	2.6
Sismica	-6.5	2.5
Sismica	-6.7	2.4
Sismica	-6.9	2.3
Sismica	-7.1	2.21
Sismica	-7.3	2.11
Sismica	-7.5	2.02
Sismica	-7.7	1.93
Sismica	-7.9	1.84
Sismica	-8.1	1.75
Sismica	-8.3	1.67
Sismica	-8.5	1.58
Sismica	-8.7	1.5
Sismica	-8.9	1.42
Sismica	-9.1	1.35
Sismica	-9.3	1.28
Sismica	-9.5	1.21
Sismica	-9.7	1.14
Sismica	-9.9	1.07
Sismica	-10.1	1.01
Sismica	-10.3	0.95
Sismica	-10.5	0.89
Sismica	-10.7	0.84
Sismica	-10.9	0.79
Sismica	-11.1	0.74
Sismica	-11.3	0.69
Sismica	-11.5	0.65
Sismica	-11.7	0.6
Sismica	-11.9	0.56
Sismica	-12.1	0.53
Sismica	-12.3	0.49
Sismica	-12.5	0.46
Sismica	-12.7	0.43
Sismica	-12.9	0.4
Sismica	-13.1	0.37
Sismica	-13.3	0.35

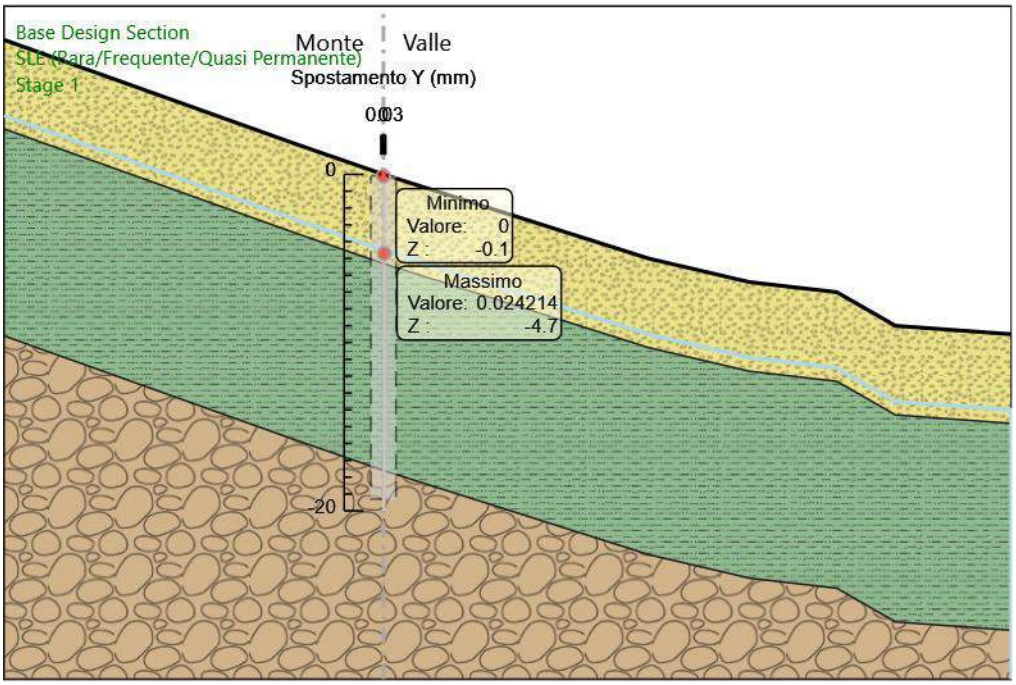
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Sismica	-13.5	0.32
Sismica	-13.7	0.3
Sismica	-13.9	0.28
Sismica	-14.1	0.26
Sismica	-14.3	0.25
Sismica	-14.5	0.23
Sismica	-14.7	0.22
Sismica	-14.9	0.2
Sismica	-15.1	0.19
Sismica	-15.3	0.18
Sismica	-15.5	0.17
Sismica	-15.7	0.16
Sismica	-15.9	0.15
Sismica	-16.1	0.15
Sismica	-16.3	0.14
Sismica	-16.5	0.13
Sismica	-16.7	0.13
Sismica	-16.9	0.12
Sismica	-17.1	0.12
Sismica	-17.3	0.12
Sismica	-17.5	0.11
Sismica	-17.7	0.11
Sismica	-17.9	0.1
Sismica	-18.1	0.1
Sismica	-18.3	0.1
Sismica	-18.5	0.1
Sismica	-18.7	0.09
Sismica	-18.9	0.09
Sismica	-19.1	0.09
Sismica	-19.3	0.08

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

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sismica	-0.1	0	0
Sismica	-0.3	0	0
Sismica	-0.3	0	0
Sismica	-0.5	0	0
Sismica	-0.5	0	0
Sismica	-0.7	0	0
Sismica	-0.7	0	0
Sismica	-0.9	0	0
Sismica	-0.9	0	0
Sismica	-1.1	0	0
Sismica	-1.1	0	0
Sismica	-1.3	0	0
Sismica	-1.3	0	0
Sismica	-1.5	0	0
Sismica	-1.5	0	0
Sismica	-1.7	0	0
Sismica	-1.7	0	0
Sismica	-1.9	0	0
Sismica	-1.9	0	0
Sismica	-2.1	-0.03	-0.17
Sismica	-2.3	-0.16	-0.64
Sismica	-2.5	-0.44	-1.4
Sismica	-2.7	-0.93	-2.46
Sismica	-2.9	-1.69	-3.81
Sismica	-3.1	-2.79	-5.46
Sismica	-3.3	-4.27	-7.41
Sismica	-3.5	-6.2	-9.66
Sismica	-3.7	-8.64	-12.2
Sismica	-3.9	-11.65	-15.03
Sismica	-4.1	-15.28	-18.17
Sismica	-4.3	-19.6	-21.6
Sismica	-4.5	-24.66	-25.32
Sismica	-4.7	-30.53	-29.35
Sismica	-4.9	-37.27	-33.67
Sismica	-5.1	-44.92	-38.28
Sismica	-5.3	-53.56	-43.19
Sismica	-5.5	-63.24	-48.4
Sismica	-5.7	-74.35	-55.55
Sismica	-5.9	-86.97	-63.09
Sismica	-6.1	-101.17	-71.01
Sismica	-6.3	-117.04	-79.32
Sismica	-6.5	-134.64	-88.02
Sismica	-6.7	-154.06	-97.1
Sismica	-6.9	-173.61	-97.72
Sismica	-7.1	-192.82	-96.07
Sismica	-7.3	-211.27	-92.26
Sismica	-7.5	-228.72	-87.22
Sismica	-7.7	-244.91	-80.97
Sismica	-7.9	-259.61	-73.51
Sismica	-8.1	-272.58	-64.82
Sismica	-8.3	-283.78	-56
Sismica	-8.5	-293.31	-47.67
Sismica	-8.7	-301.27	-39.81
Sismica	-8.9	-307.75	-32.41
Sismica	-9.1	-312.84	-25.45
Sismica	-9.3	-316.63	-18.92
Sismica	-9.5	-319.19	-12.8
Sismica	-9.7	-320.6	-7.07
Sismica	-9.9	-320.94	-1.72
Sismica	-10.1	-320.29	3.27
Sismica	-10.3	-318.7	7.92
Sismica	-10.5	-316.26	12.25
Sismica	-10.7	-313	16.26
Sismica	-10.9	-309.01	19.98
Sismica	-11.1	-304.33	23.42

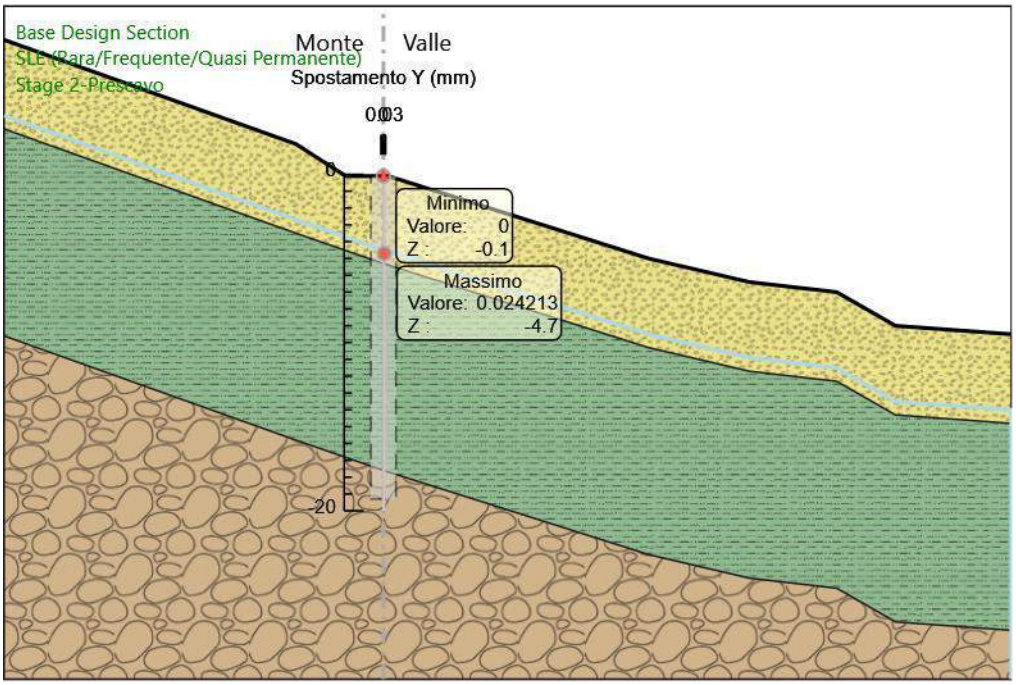
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sismica	-11.3	-299.01	26.59
Sismica	-11.5	-293.1	29.52
Sismica	-11.7	-286.66	32.22
Sismica	-11.9	-279.72	34.7
Sismica	-12.1	-272.32	36.97
Sismica	-12.3	-264.51	39.05
Sismica	-12.5	-256.32	40.95
Sismica	-12.7	-247.78	42.69
Sismica	-12.9	-238.93	44.28
Sismica	-13.1	-229.79	45.72
Sismica	-13.3	-220.38	47.03
Sismica	-13.5	-210.73	48.22
Sismica	-13.7	-200.87	49.31
Sismica	-13.9	-190.84	50.17
Sismica	-14.1	-180.69	50.73
Sismica	-14.3	-170.49	51.01
Sismica	-14.5	-160.28	51.05
Sismica	-14.7	-150.11	50.87
Sismica	-14.9	-140.01	50.48
Sismica	-15.1	-130.03	49.92
Sismica	-15.3	-120.19	49.2
Sismica	-15.5	-110.52	48.34
Sismica	-15.7	-101.05	47.35
Sismica	-15.9	-91.8	46.26
Sismica	-16.1	-82.78	45.08
Sismica	-16.3	-74.02	43.81
Sismica	-16.5	-65.53	42.46
Sismica	-16.7	-57.35	40.87
Sismica	-16.9	-49.54	39.05
Sismica	-17.1	-42.14	37.02
Sismica	-17.3	-35.18	34.79
Sismica	-17.5	-28.7	32.38
Sismica	-17.7	-22.75	29.79
Sismica	-17.9	-17.46	26.41
Sismica	-18.1	-12.87	22.99
Sismica	-18.3	-8.96	19.53
Sismica	-18.5	-5.75	16.05
Sismica	-18.7	-3.24	12.53
Sismica	-18.9	-1.45	8.99
Sismica	-19.1	-0.36	5.42
Sismica	-19.3	0	1.81

6.1.15. Grafico Spostamento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 1



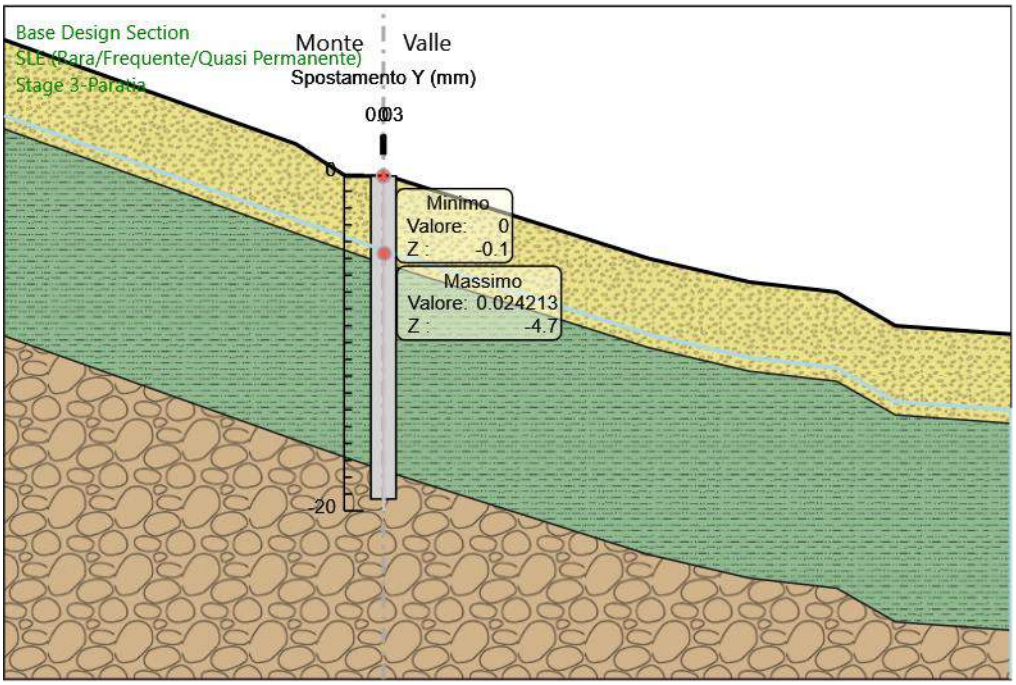
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 1
Spostamento orizzontale

6.1.16. Grafico Spostamento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 2-Prescavo



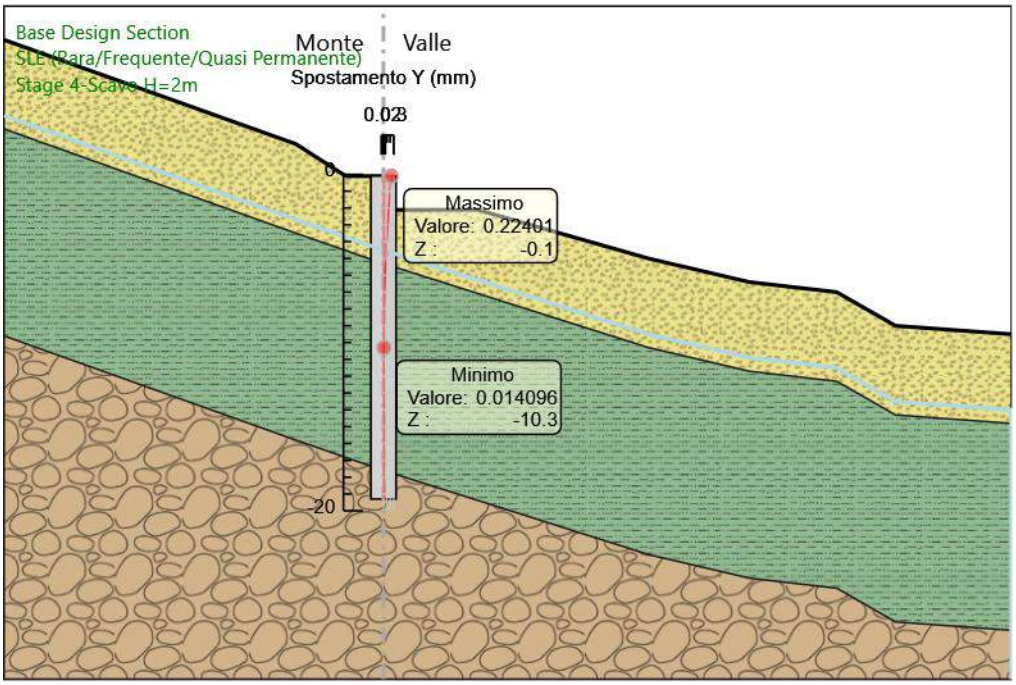
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 2-Prescavo
Spostamento orizzontale

6.1.17. Grafico Spostamento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 3-Paratia



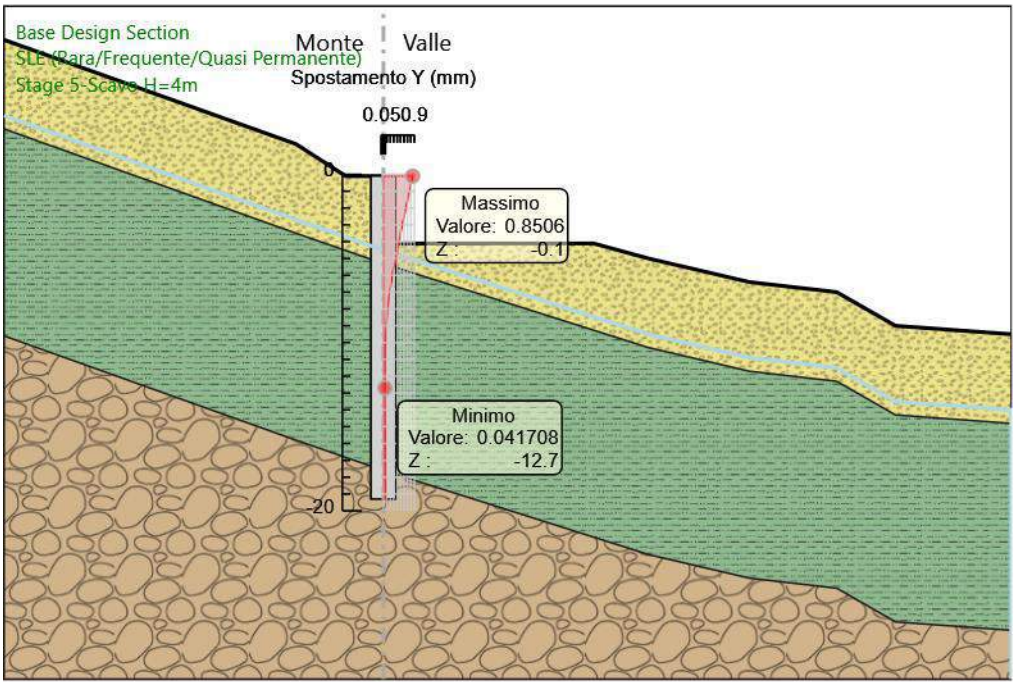
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 3-Paratia
Spostamento orizzontale

6.1.18. Grafico Spostamento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 4-Scavo H=2m



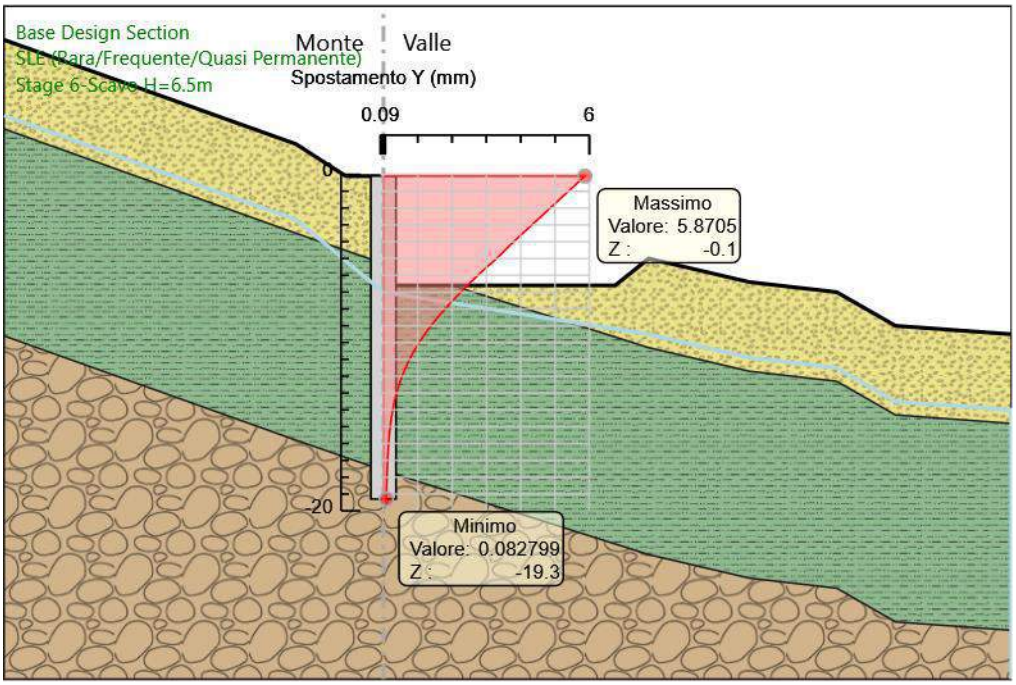
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 4-Scavo H=2m
Spostamento orizzontale

6.1.19. Grafico Spostamento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 5-Scavo H=4m



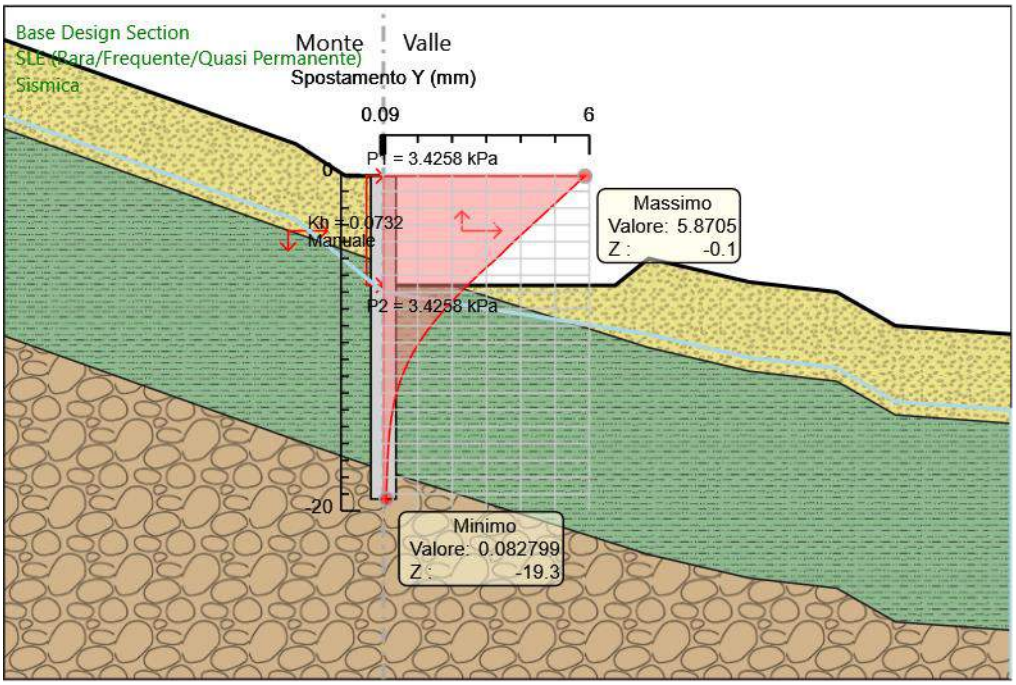
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 5-Scavo H=4m
Spostamento orizzontale

6.1.20. Grafico Spostamento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 6-Scavo H=6.5m



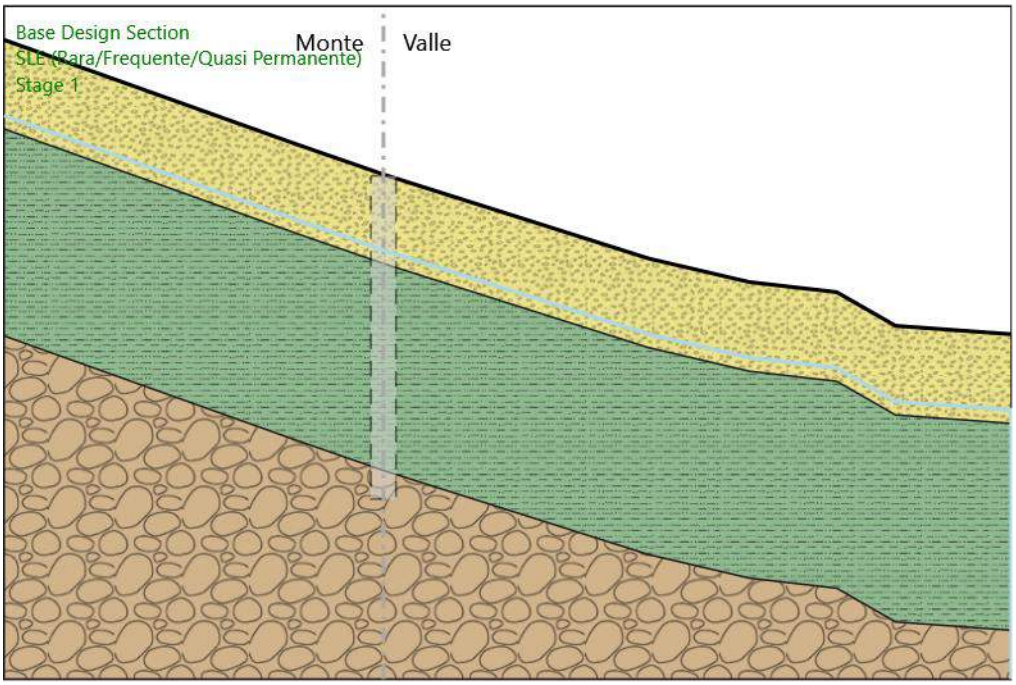
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 6-Scavo H=6.5m
Spostamento orizzontale

6.1.21. Grafico Spostamento SLE (Rara/Frequente/Quasi Permanente) - Stage: Sismica



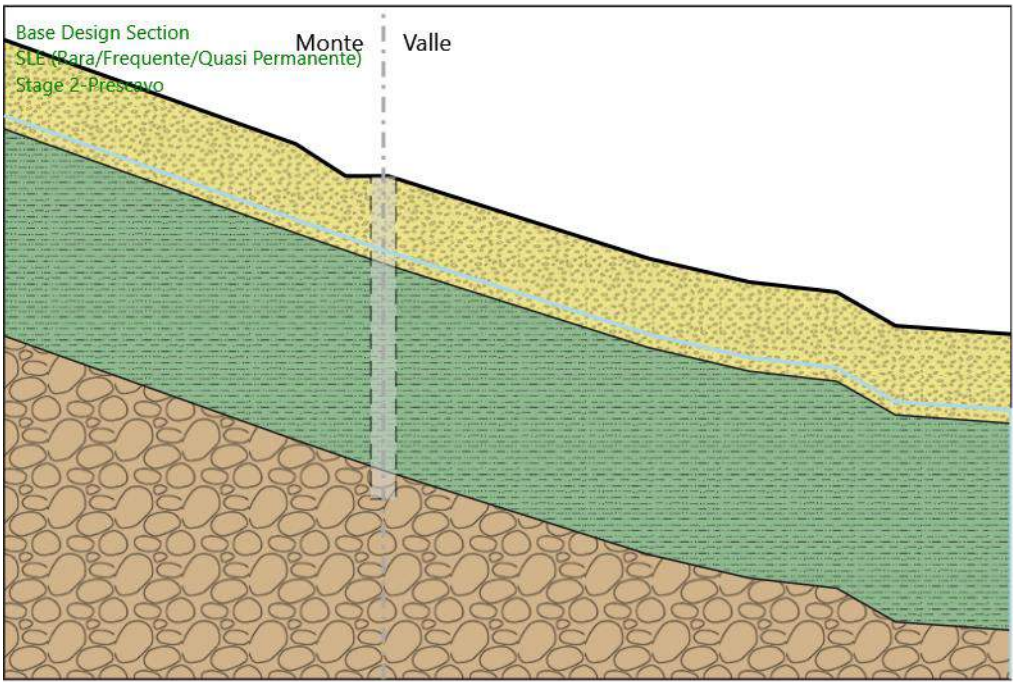
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Sismica
Spostamento orizzontale

6.1.22. Grafico Risultati Momento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 1



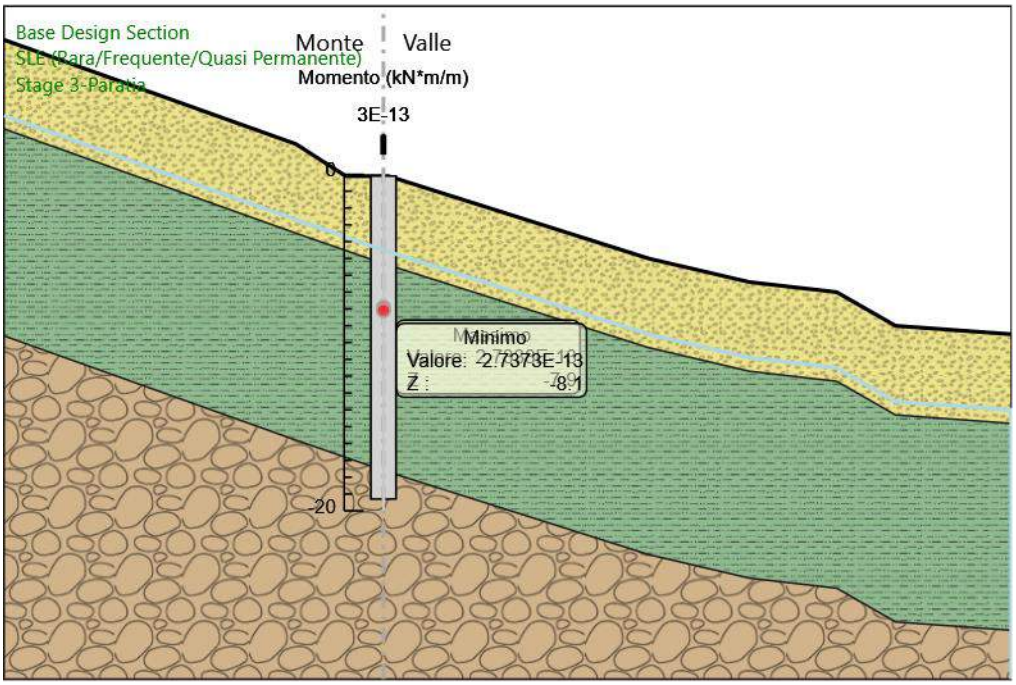
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 1
Momento

6.1.23. Grafico Risultati Momento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 2-Prescavo



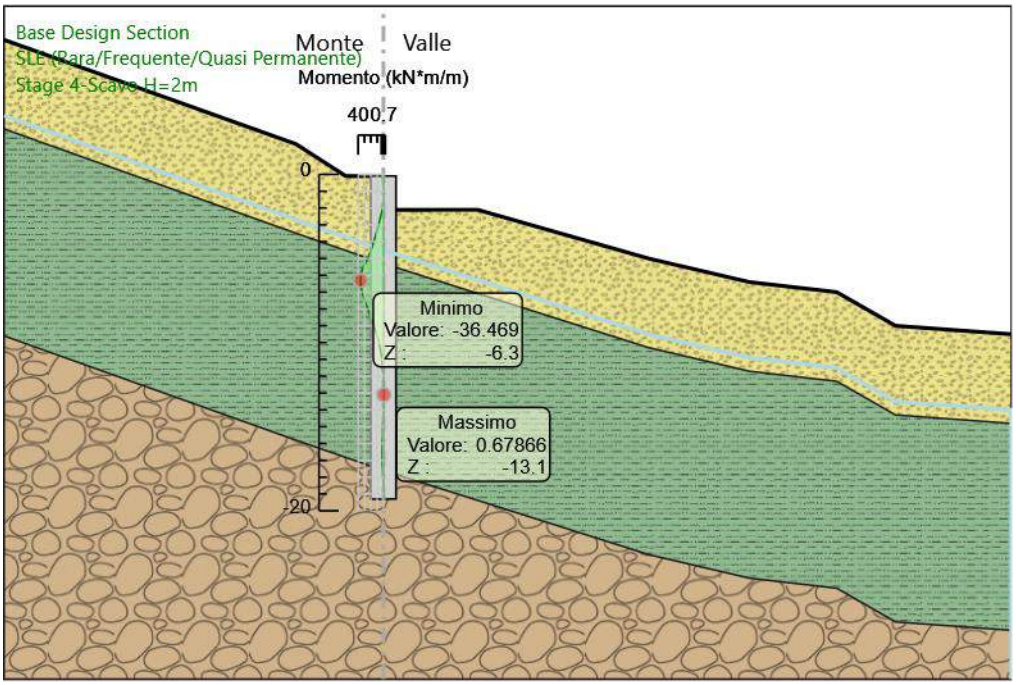
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 2-Prescavo
Momento

6.1.24. Grafico Risultati Momento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 3-Paratia



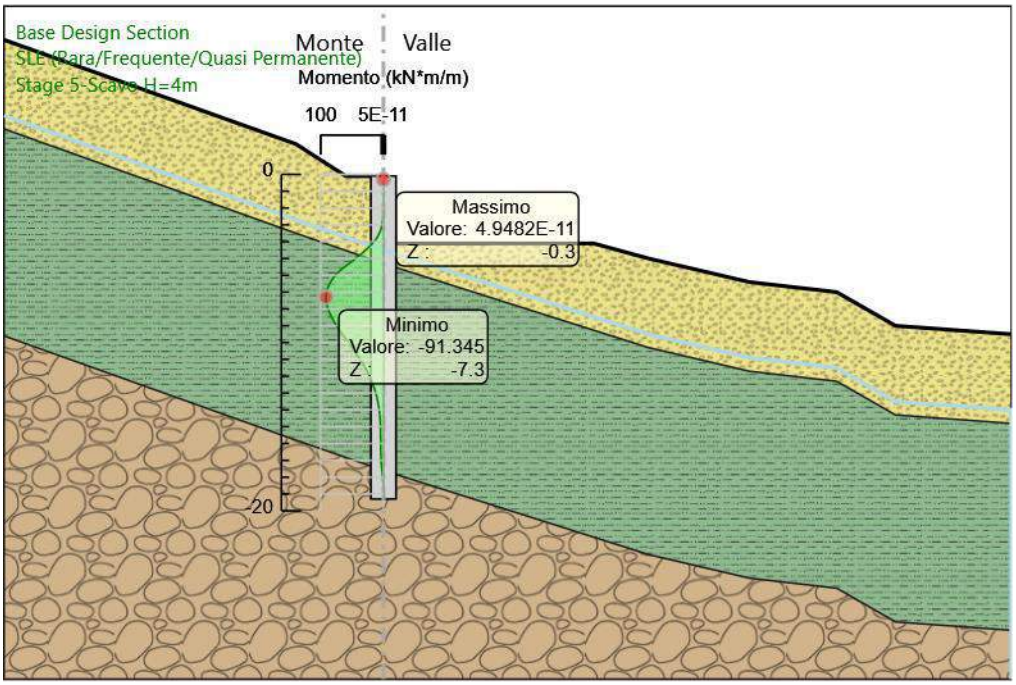
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 3-Paratia
Momento

6.1.25. Grafico Risultati Momento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 4-Scavo H=2m



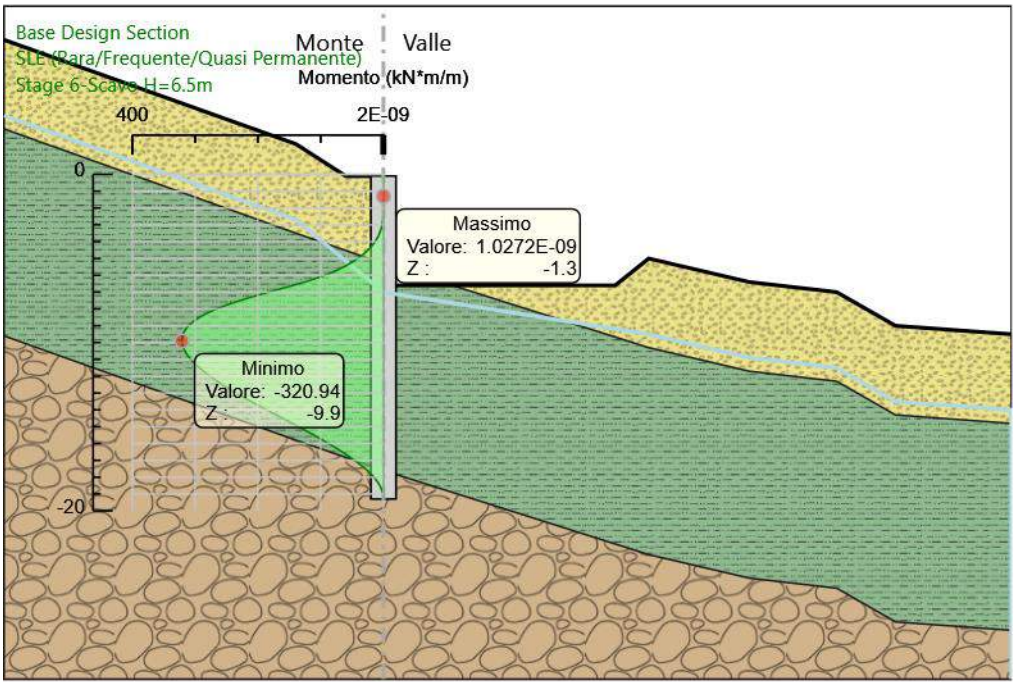
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 4-Scavo H=2m
Momento

6.1.26. Grafico Risultati Momento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 5-Scavo H=4m



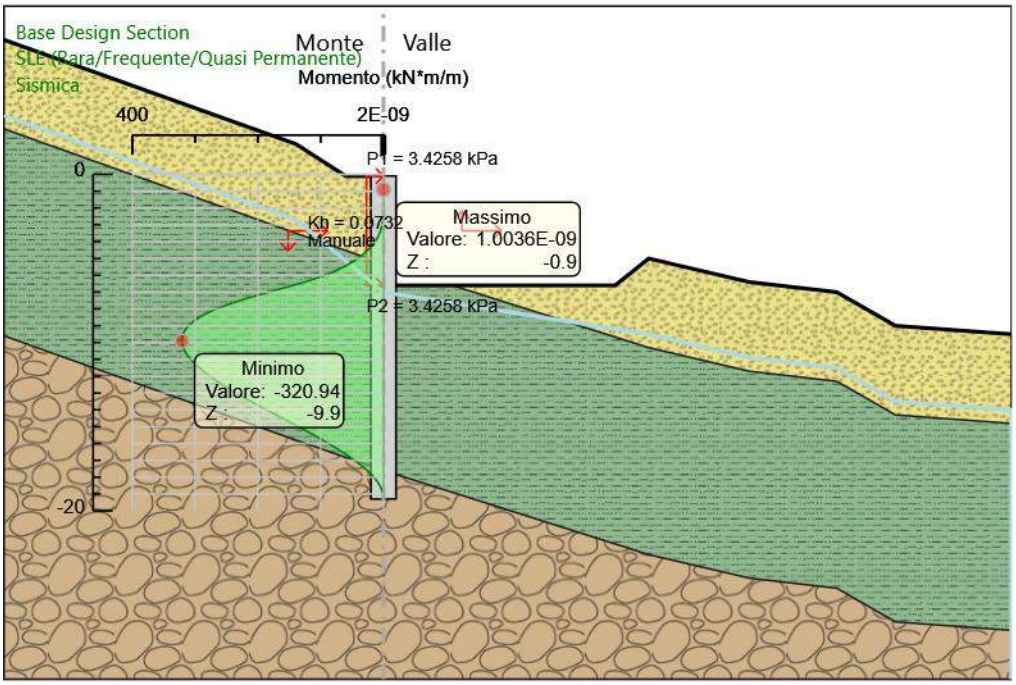
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 5-Scavo H=4m
Momento

6.1.27. Grafico Risultati Momento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 6-Scavo H=6.5m



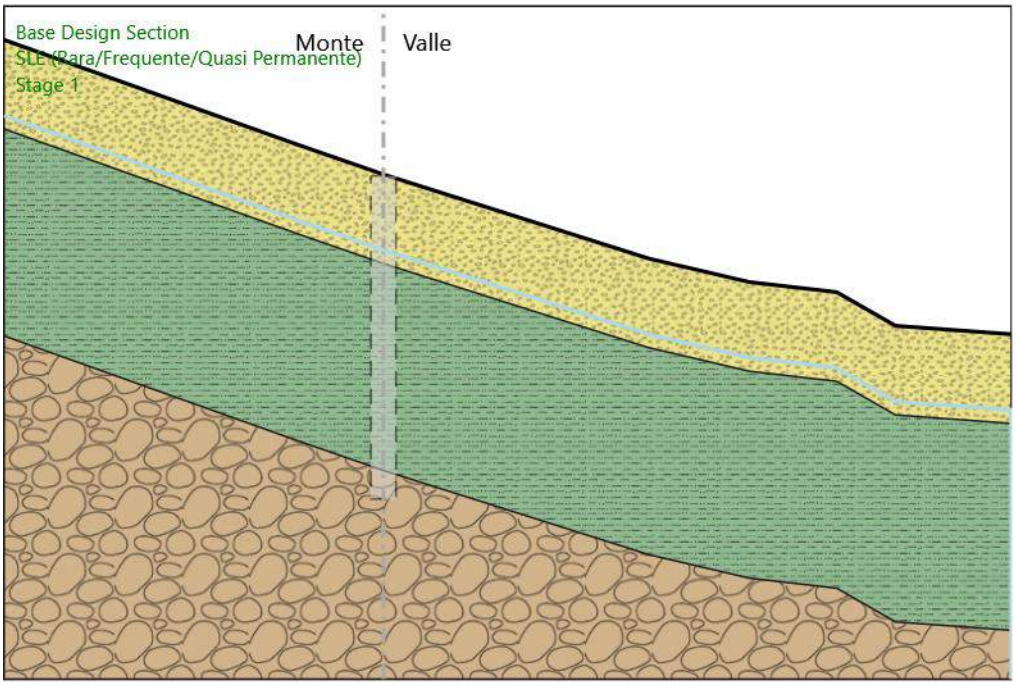
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 6-Scavo H=6.5m
Momento

6.1.28. Grafico Risultati Momento SLE (Rara/Frequente/Quasi Permanente) - Stage: Sismica



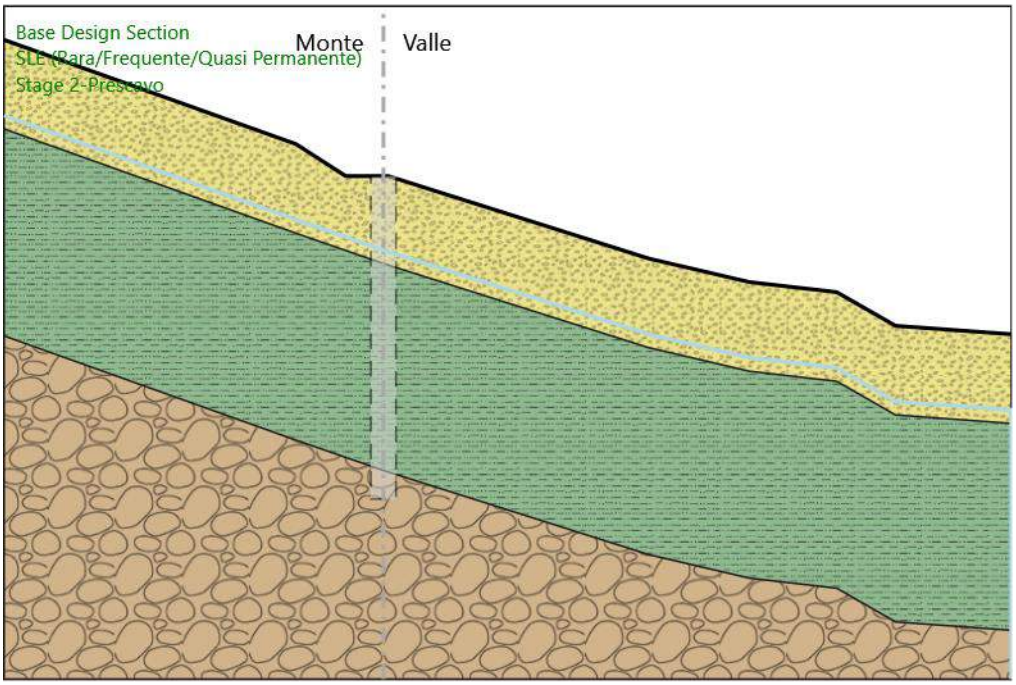
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Sismica
Momento

6.1.29. Grafico Risultati Taglio SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 1



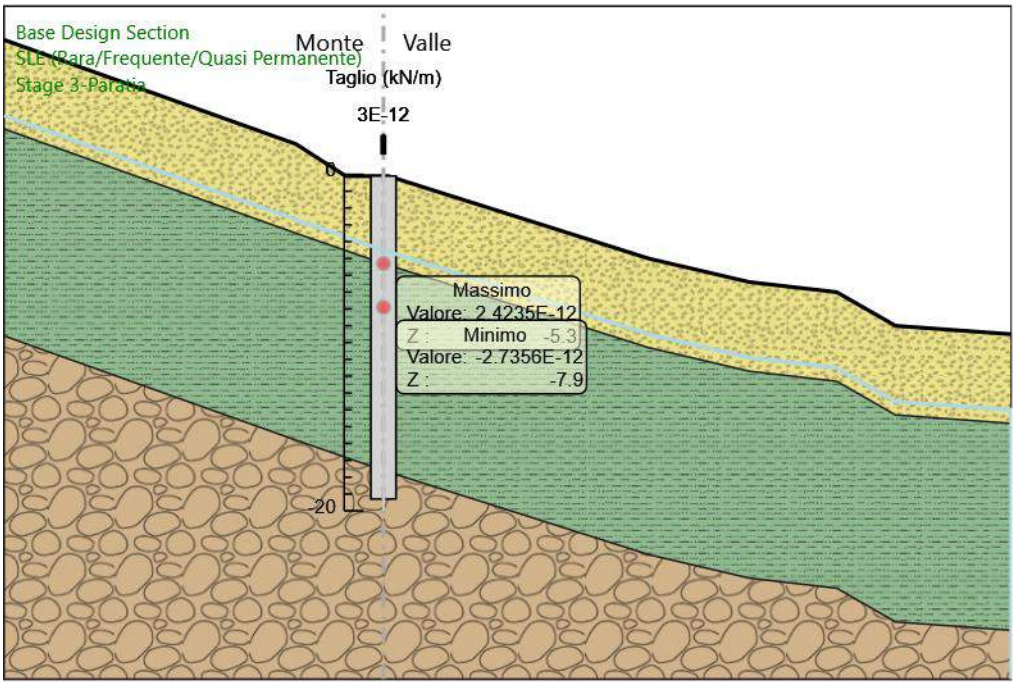
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 1
Taglio

6.1.30. Grafico Risultati Taglio SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 2-Pre-scavo



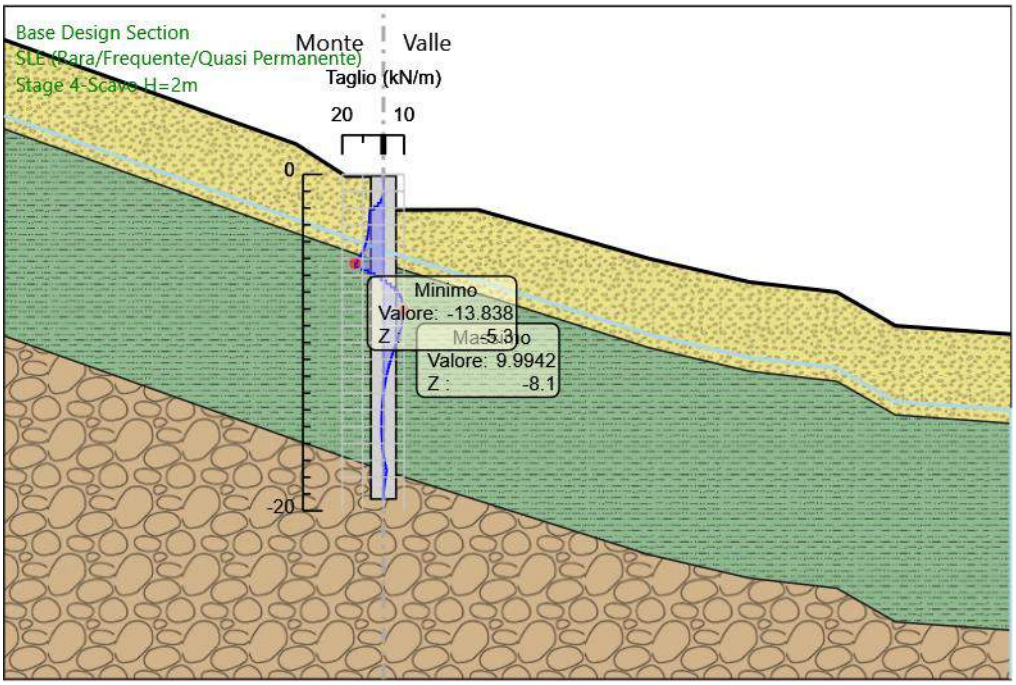
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 2-Prescavo
Taglio

6.1.31. Grafico Risultati Taglio SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 3-Paratia



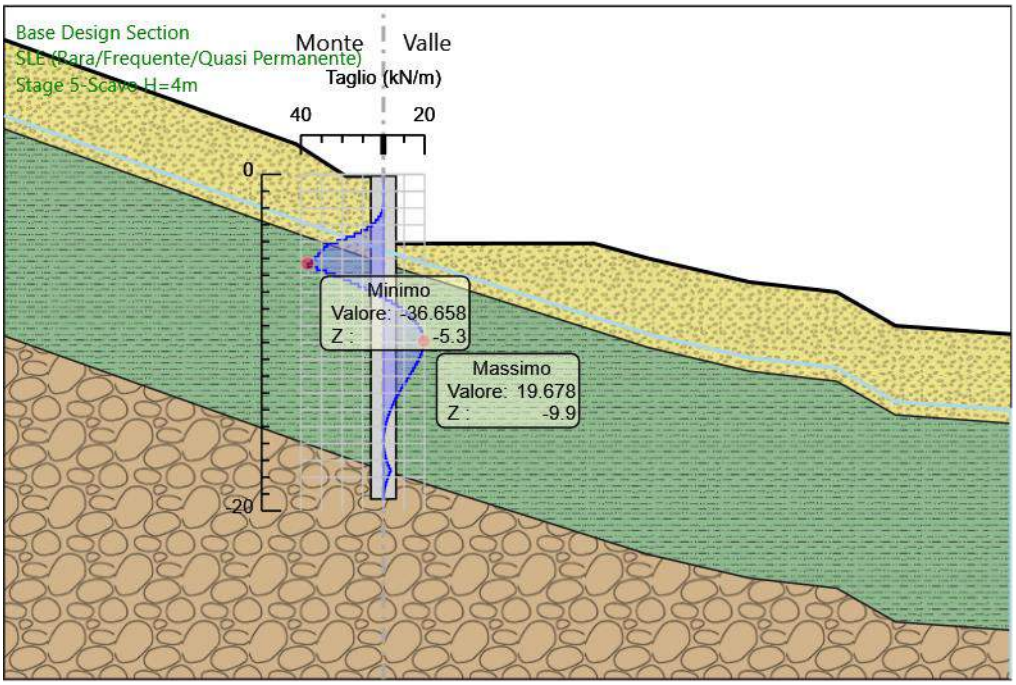
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 3-Paratia
Taglio

6.1.32. Grafico Risultati Taglio SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 4-Scavo H=2m



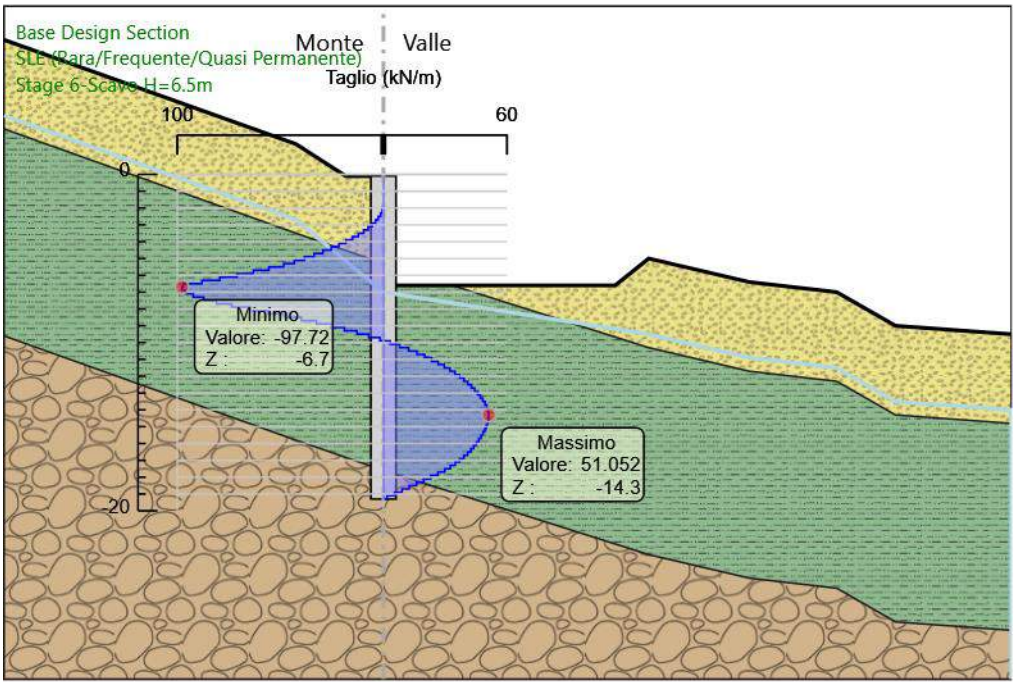
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 4-Scavo H=2m
Taglio

6.1.33. Grafico Risultati Taglio SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 5-Scavo H=4m



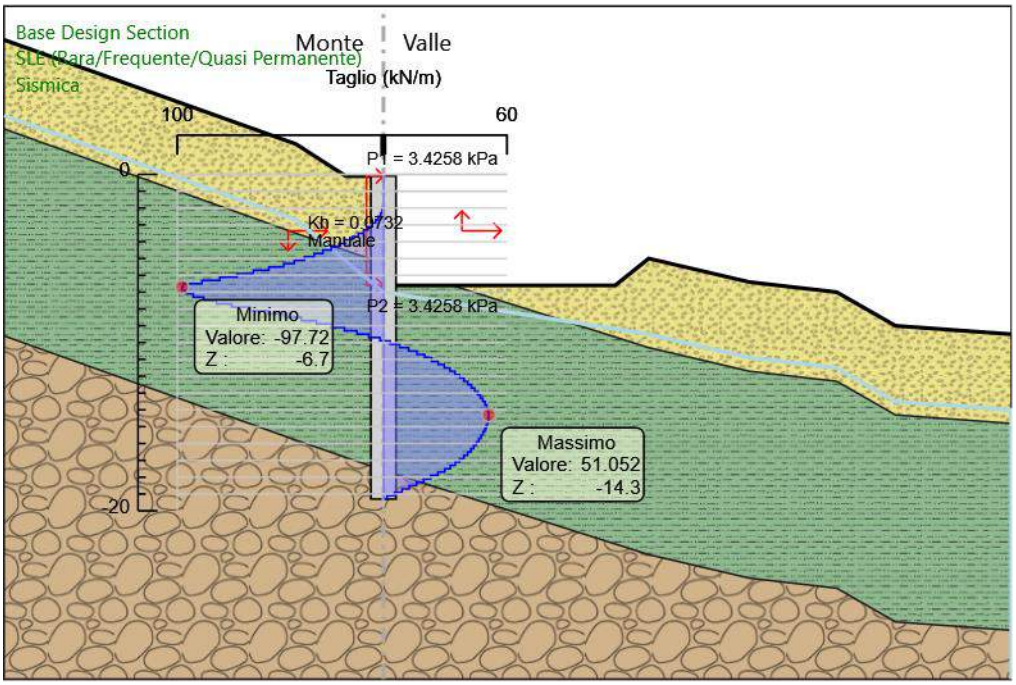
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 5-Scavo H=4m
Taglio

6.1.34. Grafico Risultati Taglio SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 6-Scavo H=6.5m



Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 6-Scavo H=6.5m
Taglio

6.1.35. Grafico Risultati Taglio SLE (Rara/Frequente/Quasi Permanente) - Stage: Sismica



Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Sismica
Taglio

6.2. Risultati A1+M1+R1 (R3 per tiranti)

6.2.1. 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	-0.1	0	0
Stage 1	-0.3	0	0
Stage 1	-0.5	0	0
Stage 1	-0.7	0	0
Stage 1	-0.9	0	0
Stage 1	-1.1	0	0
Stage 1	-1.3	0	0
Stage 1	-1.5	0	0
Stage 1	-1.7	0	0
Stage 1	-1.9	0	0
Stage 1	-2.1	0	0
Stage 1	-2.3	0	0
Stage 1	-2.5	0	0
Stage 1	-2.7	0	0
Stage 1	-2.9	0	0
Stage 1	-3.1	0	0
Stage 1	-3.3	0	0
Stage 1	-3.5	0	0
Stage 1	-3.7	0	0
Stage 1	-3.9	0	0
Stage 1	-4.1	0	0
Stage 1	-4.3	0	0
Stage 1	-4.5	0	0
Stage 1	-4.7	0	0
Stage 1	-4.9	0	0
Stage 1	-5.1	0	0
Stage 1	-5.3	0	0
Stage 1	-5.5	0	0
Stage 1	-5.7	0	0
Stage 1	-5.9	0	0
Stage 1	-6.1	0	0
Stage 1	-6.3	0	0
Stage 1	-6.5	0	0
Stage 1	-6.7	0	0
Stage 1	-6.9	0	0
Stage 1	-7.1	0	0
Stage 1	-7.3	0	0
Stage 1	-7.5	0	0
Stage 1	-7.7	0	0
Stage 1	-7.9	0	0
Stage 1	-8.1	0	0
Stage 1	-8.3	0	0
Stage 1	-8.5	0	0
Stage 1	-8.7	0	0
Stage 1	-8.9	0	0
Stage 1	-9.1	0	0
Stage 1	-9.3	0	0
Stage 1	-9.5	0	0
Stage 1	-9.7	0	0
Stage 1	-9.9	0	0
Stage 1	-10.1	0	0
Stage 1	-10.3	0	0
Stage 1	-10.5	0	0
Stage 1	-10.7	0	0
Stage 1	-10.9	0	0
Stage 1	-11.1	0	0
Stage 1	-11.3	0	0
Stage 1	-11.5	0	0
Stage 1	-11.7	0	0
Stage 1	-11.9	0	0
Stage 1	-12.1	0	0
Stage 1	-12.3	0	0
Stage 1	-12.5	0	0
Stage 1	-12.7	0	0

Design Assumption: A1+M1+R1 (R3 per tiranti) Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	-12.9	0	0
Stage 1	-13.1	0	0
Stage 1	-13.3	0	0
Stage 1	-13.5	0	0
Stage 1	-13.7	0	0
Stage 1	-13.9	0	0
Stage 1	-14.1	0	0
Stage 1	-14.3	0	0
Stage 1	-14.5	0	0
Stage 1	-14.7	0	0
Stage 1	-14.9	0	0
Stage 1	-15.1	0	0
Stage 1	-15.3	0	0
Stage 1	-15.5	0	0
Stage 1	-15.7	0	0
Stage 1	-15.9	0	0
Stage 1	-16.1	0	0
Stage 1	-16.3	0	0
Stage 1	-16.5	0	0
Stage 1	-16.7	0	0
Stage 1	-16.9	0	0
Stage 1	-17.1	0	0
Stage 1	-17.3	0	0
Stage 1	-17.5	0	0
Stage 1	-17.7	0	0
Stage 1	-17.9	0	0
Stage 1	-18.1	0	0
Stage 1	-18.3	0	0
Stage 1	-18.5	0	0
Stage 1	-18.7	0	0
Stage 1	-18.9	0	0
Stage 1	-19.1	0	0
Stage 1	-19.3	0	0

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

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2-Prescavo	-0.1	0	0
Stage 2-Prescavo	-0.3	0	0
Stage 2-Prescavo	-0.5	0	0
Stage 2-Prescavo	-0.7	0	0
Stage 2-Prescavo	-0.9	0	0
Stage 2-Prescavo	-1.1	0	0
Stage 2-Prescavo	-1.3	0	0
Stage 2-Prescavo	-1.5	0	0
Stage 2-Prescavo	-1.7	0	0
Stage 2-Prescavo	-1.9	0	0
Stage 2-Prescavo	-2.1	0	0
Stage 2-Prescavo	-2.3	0	0
Stage 2-Prescavo	-2.5	0	0
Stage 2-Prescavo	-2.7	0	0
Stage 2-Prescavo	-2.9	0	0
Stage 2-Prescavo	-3.1	0	0
Stage 2-Prescavo	-3.3	0	0
Stage 2-Prescavo	-3.5	0	0
Stage 2-Prescavo	-3.7	0	0
Stage 2-Prescavo	-3.9	0	0
Stage 2-Prescavo	-4.1	0	0
Stage 2-Prescavo	-4.3	0	0
Stage 2-Prescavo	-4.5	0	0
Stage 2-Prescavo	-4.7	0	0
Stage 2-Prescavo	-4.9	0	0
Stage 2-Prescavo	-5.1	0	0
Stage 2-Prescavo	-5.3	0	0
Stage 2-Prescavo	-5.5	0	0
Stage 2-Prescavo	-5.7	0	0
Stage 2-Prescavo	-5.9	0	0
Stage 2-Prescavo	-6.1	0	0
Stage 2-Prescavo	-6.3	0	0
Stage 2-Prescavo	-6.5	0	0
Stage 2-Prescavo	-6.7	0	0
Stage 2-Prescavo	-6.9	0	0
Stage 2-Prescavo	-7.1	0	0
Stage 2-Prescavo	-7.3	0	0
Stage 2-Prescavo	-7.5	0	0
Stage 2-Prescavo	-7.7	0	0
Stage 2-Prescavo	-7.9	0	0
Stage 2-Prescavo	-8.1	0	0
Stage 2-Prescavo	-8.3	0	0
Stage 2-Prescavo	-8.5	0	0
Stage 2-Prescavo	-8.7	0	0
Stage 2-Prescavo	-8.9	0	0
Stage 2-Prescavo	-9.1	0	0
Stage 2-Prescavo	-9.3	0	0
Stage 2-Prescavo	-9.5	0	0
Stage 2-Prescavo	-9.7	0	0
Stage 2-Prescavo	-9.9	0	0
Stage 2-Prescavo	-10.1	0	0
Stage 2-Prescavo	-10.3	0	0
Stage 2-Prescavo	-10.5	0	0
Stage 2-Prescavo	-10.7	0	0
Stage 2-Prescavo	-10.9	0	0
Stage 2-Prescavo	-11.1	0	0
Stage 2-Prescavo	-11.3	0	0
Stage 2-Prescavo	-11.5	0	0
Stage 2-Prescavo	-11.7	0	0
Stage 2-Prescavo	-11.9	0	0
Stage 2-Prescavo	-12.1	0	0
Stage 2-Prescavo	-12.3	0	0
Stage 2-Prescavo	-12.5	0	0
Stage 2-Prescavo	-12.7	0	0
Stage 2-Prescavo	-12.9	0	0
Stage 2-Prescavo	-13.1	0	0
Stage 2-Prescavo	-13.3	0	0

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2-Prescavo	-13.5	0	0
Stage 2-Prescavo	-13.7	0	0
Stage 2-Prescavo	-13.9	0	0
Stage 2-Prescavo	-14.1	0	0
Stage 2-Prescavo	-14.3	0	0
Stage 2-Prescavo	-14.5	0	0
Stage 2-Prescavo	-14.7	0	0
Stage 2-Prescavo	-14.9	0	0
Stage 2-Prescavo	-15.1	0	0
Stage 2-Prescavo	-15.3	0	0
Stage 2-Prescavo	-15.5	0	0
Stage 2-Prescavo	-15.7	0	0
Stage 2-Prescavo	-15.9	0	0
Stage 2-Prescavo	-16.1	0	0
Stage 2-Prescavo	-16.3	0	0
Stage 2-Prescavo	-16.5	0	0
Stage 2-Prescavo	-16.7	0	0
Stage 2-Prescavo	-16.9	0	0
Stage 2-Prescavo	-17.1	0	0
Stage 2-Prescavo	-17.3	0	0
Stage 2-Prescavo	-17.5	0	0
Stage 2-Prescavo	-17.7	0	0
Stage 2-Prescavo	-17.9	0	0
Stage 2-Prescavo	-18.1	0	0
Stage 2-Prescavo	-18.3	0	0
Stage 2-Prescavo	-18.5	0	0
Stage 2-Prescavo	-18.7	0	0
Stage 2-Prescavo	-18.9	0	0
Stage 2-Prescavo	-19.1	0	0
Stage 2-Prescavo	-19.3	0	0

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

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-0.1	0	0
Stage 3-Paratia	-0.3	0	0
Stage 3-Paratia	-0.5	0	0
Stage 3-Paratia	-0.7	0	0
Stage 3-Paratia	-0.9	0	0
Stage 3-Paratia	-1.1	0	0
Stage 3-Paratia	-1.3	0	0
Stage 3-Paratia	-1.5	0	0
Stage 3-Paratia	-1.7	0	0
Stage 3-Paratia	-1.9	0	0
Stage 3-Paratia	-2.1	0	0
Stage 3-Paratia	-2.3	0	0
Stage 3-Paratia	-2.5	0	0
Stage 3-Paratia	-2.7	0	0
Stage 3-Paratia	-2.9	0	0
Stage 3-Paratia	-3.1	0	0
Stage 3-Paratia	-3.3	0	0
Stage 3-Paratia	-3.5	0	0
Stage 3-Paratia	-3.7	0	0
Stage 3-Paratia	-3.9	0	0
Stage 3-Paratia	-4.1	0	0
Stage 3-Paratia	-4.3	0	0
Stage 3-Paratia	-4.3	0	0
Stage 3-Paratia	-4.5	0	0
Stage 3-Paratia	-4.5	0	0
Stage 3-Paratia	-4.7	0	0
Stage 3-Paratia	-4.7	0	0
Stage 3-Paratia	-4.9	0	0
Stage 3-Paratia	-4.9	0	0
Stage 3-Paratia	-5.1	0	0
Stage 3-Paratia	-5.1	0	0
Stage 3-Paratia	-5.3	0	0
Stage 3-Paratia	-5.3	0	0
Stage 3-Paratia	-5.5	0	0
Stage 3-Paratia	-5.5	0	0
Stage 3-Paratia	-5.7	0	0
Stage 3-Paratia	-5.7	0	0
Stage 3-Paratia	-5.9	0	0
Stage 3-Paratia	-5.9	0	0
Stage 3-Paratia	-6.1	0	0
Stage 3-Paratia	-6.1	0	0
Stage 3-Paratia	-6.3	0	0
Stage 3-Paratia	-6.3	0	0
Stage 3-Paratia	-6.5	0	0
Stage 3-Paratia	-6.5	0	0
Stage 3-Paratia	-6.7	0	0
Stage 3-Paratia	-6.7	0	0
Stage 3-Paratia	-6.9	0	0
Stage 3-Paratia	-6.9	0	0
Stage 3-Paratia	-7.1	0	0
Stage 3-Paratia	-7.1	0	0
Stage 3-Paratia	-7.3	0	0
Stage 3-Paratia	-7.3	0	0
Stage 3-Paratia	-7.5	0	0
Stage 3-Paratia	-7.5	0	0
Stage 3-Paratia	-7.7	0	0
Stage 3-Paratia	-7.7	0	0
Stage 3-Paratia	-7.9	0	0
Stage 3-Paratia	-7.9	0	0
Stage 3-Paratia	-8.1	0	0
Stage 3-Paratia	-8.1	0	0
Stage 3-Paratia	-8.3	0	0
Stage 3-Paratia	-8.3	0	0
Stage 3-Paratia	-8.5	0	0
Stage 3-Paratia	-8.5	0	0
Stage 3-Paratia	-8.7	0	0
Stage 3-Paratia	-8.7	0	0

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-8.9	0	0
Stage 3-Paratia	-8.9	0	0
Stage 3-Paratia	-9.1	0	0
Stage 3-Paratia	-9.1	0	0
Stage 3-Paratia	-9.3	0	0
Stage 3-Paratia	-9.3	0	0
Stage 3-Paratia	-9.5	0	0
Stage 3-Paratia	-9.5	0	0
Stage 3-Paratia	-9.7	0	0
Stage 3-Paratia	-9.7	0	0
Stage 3-Paratia	-9.9	0	0
Stage 3-Paratia	-9.9	0	0
Stage 3-Paratia	-10.1	0	0
Stage 3-Paratia	-10.1	0	0
Stage 3-Paratia	-10.3	0	0
Stage 3-Paratia	-10.3	0	0
Stage 3-Paratia	-10.5	0	0
Stage 3-Paratia	-10.5	0	0
Stage 3-Paratia	-10.7	0	0
Stage 3-Paratia	-10.7	0	0
Stage 3-Paratia	-10.9	0	0
Stage 3-Paratia	-10.9	0	0
Stage 3-Paratia	-11.1	0	0
Stage 3-Paratia	-11.1	0	0
Stage 3-Paratia	-11.3	0	0
Stage 3-Paratia	-11.3	0	0
Stage 3-Paratia	-11.5	0	0
Stage 3-Paratia	-11.5	0	0
Stage 3-Paratia	-11.7	0	0
Stage 3-Paratia	-11.7	0	0
Stage 3-Paratia	-11.9	0	0
Stage 3-Paratia	-11.9	0	0
Stage 3-Paratia	-12.1	0	0
Stage 3-Paratia	-12.1	0	0
Stage 3-Paratia	-12.3	0	0
Stage 3-Paratia	-12.3	0	0
Stage 3-Paratia	-12.5	0	0
Stage 3-Paratia	-12.5	0	0
Stage 3-Paratia	-12.7	0	0
Stage 3-Paratia	-12.7	0	0
Stage 3-Paratia	-12.9	0	0
Stage 3-Paratia	-12.9	0	0
Stage 3-Paratia	-13.1	0	0
Stage 3-Paratia	-13.1	0	0
Stage 3-Paratia	-13.3	0	0
Stage 3-Paratia	-13.3	0	0
Stage 3-Paratia	-13.5	0	0
Stage 3-Paratia	-13.5	0	0
Stage 3-Paratia	-13.7	0	0
Stage 3-Paratia	-13.7	0	0
Stage 3-Paratia	-13.9	0	0
Stage 3-Paratia	-13.9	0	0
Stage 3-Paratia	-14.1	0	0
Stage 3-Paratia	-14.1	0	0
Stage 3-Paratia	-14.3	0	0
Stage 3-Paratia	-14.3	0	0
Stage 3-Paratia	-14.5	0	0
Stage 3-Paratia	-14.5	0	0
Stage 3-Paratia	-14.7	0	0
Stage 3-Paratia	-14.7	0	0
Stage 3-Paratia	-14.9	0	0
Stage 3-Paratia	-14.9	0	0
Stage 3-Paratia	-15.1	0	0
Stage 3-Paratia	-15.1	0	0
Stage 3-Paratia	-15.3	0	0
Stage 3-Paratia	-15.3	0	0
Stage 3-Paratia	-15.5	0	0
Stage 3-Paratia	-15.5	0	0
Stage 3-Paratia	-15.7	0	0
Stage 3-Paratia	-15.7	0	0
Stage 3-Paratia	-15.9	0	0

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-15.9	0	0
Stage 3-Paratia	-16.1	0	0
Stage 3-Paratia	-16.1	0	0
Stage 3-Paratia	-16.3	0	0
Stage 3-Paratia	-16.3	0	0
Stage 3-Paratia	-16.5	0	0
Stage 3-Paratia	-16.5	0	0
Stage 3-Paratia	-16.7	0	0
Stage 3-Paratia	-16.7	0	0
Stage 3-Paratia	-16.9	0	0
Stage 3-Paratia	-16.9	0	0
Stage 3-Paratia	-17.1	0	0
Stage 3-Paratia	-17.1	0	0
Stage 3-Paratia	-17.3	0	0
Stage 3-Paratia	-17.3	0	0
Stage 3-Paratia	-17.5	0	0
Stage 3-Paratia	-17.5	0	0
Stage 3-Paratia	-17.7	0	0
Stage 3-Paratia	-17.7	0	0
Stage 3-Paratia	-17.9	0	0
Stage 3-Paratia	-17.9	0	0
Stage 3-Paratia	-18.1	0	0
Stage 3-Paratia	-18.1	0	0
Stage 3-Paratia	-18.3	0	0
Stage 3-Paratia	-18.3	0	0
Stage 3-Paratia	-18.5	0	0
Stage 3-Paratia	-18.5	0	0
Stage 3-Paratia	-18.7	0	0
Stage 3-Paratia	-18.7	0	0
Stage 3-Paratia	-18.9	0	0
Stage 3-Paratia	-18.9	0	0
Stage 3-Paratia	-19.1	0	0
Stage 3-Paratia	-19.1	0	0
Stage 3-Paratia	-19.3	0	0

6.2.4. Tabella Risultati Paratia A1+M1+R1 (R3 per tiranti) - Left Wall - Stage: Stage 4-Scavo H=2m

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=2m	-0.1	0	0
Stage 4-Scavo H=2m	-0.3	0	0
Stage 4-Scavo H=2m	-0.3	0	0
Stage 4-Scavo H=2m	-0.5	0	0
Stage 4-Scavo H=2m	-0.5	0	0
Stage 4-Scavo H=2m	-0.7	0	0
Stage 4-Scavo H=2m	-0.7	0	0
Stage 4-Scavo H=2m	-0.9	0	0
Stage 4-Scavo H=2m	-0.9	0	0
Stage 4-Scavo H=2m	-1.1	0	0
Stage 4-Scavo H=2m	-1.1	0	0
Stage 4-Scavo H=2m	-1.3	0	0.02
Stage 4-Scavo H=2m	-1.5	-0.11	-0.55
Stage 4-Scavo H=2m	-1.7	-0.45	-1.71
Stage 4-Scavo H=2m	-1.9	-1.14	-3.46
Stage 4-Scavo H=2m	-2.1	-2.3	-5.79
Stage 4-Scavo H=2m	-2.3	-4.04	-8.7
Stage 4-Scavo H=2m	-2.5	-5.82	-8.91
Stage 4-Scavo H=2m	-2.7	-7.61	-8.97
Stage 4-Scavo H=2m	-2.9	-9.42	-9.01
Stage 4-Scavo H=2m	-3.1	-11.23	-9.09
Stage 4-Scavo H=2m	-3.3	-13.08	-9.23
Stage 4-Scavo H=2m	-3.5	-14.97	-9.47
Stage 4-Scavo H=2m	-3.7	-16.93	-9.8
Stage 4-Scavo H=2m	-3.9	-18.98	-10.24
Stage 4-Scavo H=2m	-4.1	-21.14	-10.8
Stage 4-Scavo H=2m	-4.3	-23.43	-11.47
Stage 4-Scavo H=2m	-4.5	-25.89	-12.25
Stage 4-Scavo H=2m	-4.7	-28.52	-13.16
Stage 4-Scavo H=2m	-4.9	-31.35	-14.18
Stage 4-Scavo H=2m	-5.1	-34.42	-15.33
Stage 4-Scavo H=2m	-5.3	-37.74	-16.6
Stage 4-Scavo H=2m	-5.5	-41.34	-17.99
Stage 4-Scavo H=2m	-5.7	-44.09	-13.74
Stage 4-Scavo H=2m	-5.9	-46	-9.58
Stage 4-Scavo H=2m	-6.1	-47.11	-5.51
Stage 4-Scavo H=2m	-6.3	-47.41	-1.52
Stage 4-Scavo H=2m	-6.5	-47.04	1.87
Stage 4-Scavo H=2m	-6.7	-46.1	4.7
Stage 4-Scavo H=2m	-6.9	-44.69	7.03
Stage 4-Scavo H=2m	-7.1	-42.91	8.9
Stage 4-Scavo H=2m	-7.3	-40.84	10.36
Stage 4-Scavo H=2m	-7.5	-38.55	11.46
Stage 4-Scavo H=2m	-7.7	-36.1	12.23
Stage 4-Scavo H=2m	-7.9	-33.56	12.72
Stage 4-Scavo H=2m	-8.1	-30.96	12.96
Stage 4-Scavo H=2m	-8.3	-28.36	12.99
Stage 4-Scavo H=2m	-8.5	-25.8	12.85
Stage 4-Scavo H=2m	-8.7	-23.29	12.55
Stage 4-Scavo H=2m	-8.9	-20.86	12.13
Stage 4-Scavo H=2m	-9.1	-18.54	11.61
Stage 4-Scavo H=2m	-9.3	-16.33	11.02
Stage 4-Scavo H=2m	-9.5	-14.26	10.37
Stage 4-Scavo H=2m	-9.7	-12.32	9.68
Stage 4-Scavo H=2m	-9.9	-10.53	8.96
Stage 4-Scavo H=2m	-10.1	-8.89	8.23
Stage 4-Scavo H=2m	-10.3	-7.39	7.5
Stage 4-Scavo H=2m	-10.5	-6.03	6.78
Stage 4-Scavo H=2m	-10.7	-4.82	6.07
Stage 4-Scavo H=2m	-10.9	-3.74	5.38
Stage 4-Scavo H=2m	-11.1	-2.8	4.72
Stage 4-Scavo H=2m	-11.3	-1.98	4.09
Stage 4-Scavo H=2m	-11.5	-1.28	3.49
Stage 4-Scavo H=2m	-11.7	-0.69	2.93
Stage 4-Scavo H=2m	-11.9	-0.21	2.41
Stage 4-Scavo H=2m	-12.1	0.17	1.92
Stage 4-Scavo H=2m	-12.3	0.47	1.47

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=2m	-12.5	0.68	1.05
Stage 4-Scavo H=2m	-12.7	0.81	0.67
Stage 4-Scavo H=2m	-12.9	0.88	0.33
Stage 4-Scavo H=2m	-13.1	0.88	0.02
Stage 4-Scavo H=2m	-13.3	0.83	-0.25
Stage 4-Scavo H=2m	-13.5	0.73	-0.49
Stage 4-Scavo H=2m	-13.7	0.59	-0.7
Stage 4-Scavo H=2m	-13.9	0.42	-0.88
Stage 4-Scavo H=2m	-14.1	0.21	-1.02
Stage 4-Scavo H=2m	-14.3	-0.01	-1.14
Stage 4-Scavo H=2m	-14.5	-0.26	-1.23
Stage 4-Scavo H=2m	-14.7	-0.52	-1.29
Stage 4-Scavo H=2m	-14.9	-0.78	-1.32
Stage 4-Scavo H=2m	-15.1	-1.05	-1.32
Stage 4-Scavo H=2m	-15.3	-1.3	-1.28
Stage 4-Scavo H=2m	-15.5	-1.55	-1.22
Stage 4-Scavo H=2m	-15.7	-1.77	-1.12
Stage 4-Scavo H=2m	-15.9	-1.97	-0.99
Stage 4-Scavo H=2m	-16.1	-2.13	-0.82
Stage 4-Scavo H=2m	-16.3	-2.25	-0.61
Stage 4-Scavo H=2m	-16.5	-2.32	-0.36
Stage 4-Scavo H=2m	-16.7	-2.34	-0.06
Stage 4-Scavo H=2m	-16.9	-2.28	0.28
Stage 4-Scavo H=2m	-17.1	-2.15	0.66
Stage 4-Scavo H=2m	-17.3	-1.93	1.1
Stage 4-Scavo H=2m	-17.5	-1.61	1.59
Stage 4-Scavo H=2m	-17.7	-1.18	2.14
Stage 4-Scavo H=2m	-17.9	-0.84	1.73
Stage 4-Scavo H=2m	-18.1	-0.56	1.37
Stage 4-Scavo H=2m	-18.3	-0.36	1.04
Stage 4-Scavo H=2m	-18.5	-0.2	0.76
Stage 4-Scavo H=2m	-18.7	-0.1	0.51
Stage 4-Scavo H=2m	-18.9	-0.04	0.31
Stage 4-Scavo H=2m	-19.1	-0.01	0.16
Stage 4-Scavo H=2m	-19.3	0	0.04

6.2.5. Tabella Risultati Paratia A1+M1+R1 (R3 per tiranti) - Left Wall - Stage: Stage 5-Scavo H=4m

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=4m	-0.1	0	0
Stage 5-Scavo H=4m	-0.3	0	0
Stage 5-Scavo H=4m	-0.3	0	0
Stage 5-Scavo H=4m	-0.5	0	0
Stage 5-Scavo H=4m	-0.5	0	0
Stage 5-Scavo H=4m	-0.7	0	0
Stage 5-Scavo H=4m	-0.7	0	0
Stage 5-Scavo H=4m	-0.9	0	0
Stage 5-Scavo H=4m	-0.9	0	0
Stage 5-Scavo H=4m	-1.1	0	0
Stage 5-Scavo H=4m	-1.1	0	0
Stage 5-Scavo H=4m	-1.3	0	0
Stage 5-Scavo H=4m	-1.3	0	0
Stage 5-Scavo H=4m	-1.5	0	0
Stage 5-Scavo H=4m	-1.5	0	0
Stage 5-Scavo H=4m	-1.7	0	0
Stage 5-Scavo H=4m	-1.7	0	0
Stage 5-Scavo H=4m	-1.9	0	0
Stage 5-Scavo H=4m	-1.9	0	0
Stage 5-Scavo H=4m	-2.1	-0.04	-0.22
Stage 5-Scavo H=4m	-2.3	-0.21	-0.83
Stage 5-Scavo H=4m	-2.5	-0.57	-1.82
Stage 5-Scavo H=4m	-2.7	-1.21	-3.19
Stage 5-Scavo H=4m	-2.9	-2.2	-4.96
Stage 5-Scavo H=4m	-3.1	-3.66	-7.27
Stage 5-Scavo H=4m	-3.3	-5.71	-10.26
Stage 5-Scavo H=4m	-3.5	-8.49	-13.93
Stage 5-Scavo H=4m	-3.7	-12.15	-18.28
Stage 5-Scavo H=4m	-3.9	-16.81	-23.32
Stage 5-Scavo H=4m	-4.1	-22.62	-29.03
Stage 5-Scavo H=4m	-4.3	-29.7	-35.41
Stage 5-Scavo H=4m	-4.5	-37.19	-37.45
Stage 5-Scavo H=4m	-4.7	-45.05	-39.27
Stage 5-Scavo H=4m	-4.9	-53.26	-41.08
Stage 5-Scavo H=4m	-5.1	-61.88	-43.08
Stage 5-Scavo H=4m	-5.3	-70.93	-45.27
Stage 5-Scavo H=4m	-5.5	-80.46	-47.66
Stage 5-Scavo H=4m	-5.7	-88.82	-41.81
Stage 5-Scavo H=4m	-5.9	-96.06	-36.18
Stage 5-Scavo H=4m	-6.1	-102.22	-30.79
Stage 5-Scavo H=4m	-6.3	-107.34	-25.6
Stage 5-Scavo H=4m	-6.5	-111.46	-20.62
Stage 5-Scavo H=4m	-6.7	-114.63	-15.84
Stage 5-Scavo H=4m	-6.9	-116.88	-11.24
Stage 5-Scavo H=4m	-7.1	-118.24	-6.81
Stage 5-Scavo H=4m	-7.3	-118.75	-2.54
Stage 5-Scavo H=4m	-7.5	-118.43	1.57
Stage 5-Scavo H=4m	-7.7	-117.36	5.36
Stage 5-Scavo H=4m	-7.9	-115.62	8.73
Stage 5-Scavo H=4m	-8.1	-113.27	11.72
Stage 5-Scavo H=4m	-8.3	-110.4	14.36
Stage 5-Scavo H=4m	-8.5	-107.06	16.69
Stage 5-Scavo H=4m	-8.7	-103.32	18.73
Stage 5-Scavo H=4m	-8.9	-99.22	20.51
Stage 5-Scavo H=4m	-9.1	-94.8	22.06
Stage 5-Scavo H=4m	-9.3	-90.12	23.41
Stage 5-Scavo H=4m	-9.5	-85.22	24.53
Stage 5-Scavo H=4m	-9.7	-80.17	25.23
Stage 5-Scavo H=4m	-9.9	-75.06	25.57
Stage 5-Scavo H=4m	-10.1	-69.94	25.58
Stage 5-Scavo H=4m	-10.3	-64.88	25.32
Stage 5-Scavo H=4m	-10.5	-59.91	24.82
Stage 5-Scavo H=4m	-10.7	-55.09	24.13
Stage 5-Scavo H=4m	-10.9	-50.43	23.26
Stage 5-Scavo H=4m	-11.1	-45.98	22.27
Stage 5-Scavo H=4m	-11.3	-41.75	21.17
Stage 5-Scavo H=4m	-11.5	-37.75	19.98

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=4m	-11.7	-34	18.74
Stage 5-Scavo H=4m	-11.9	-30.51	17.45
Stage 5-Scavo H=4m	-12.1	-27.28	16.15
Stage 5-Scavo H=4m	-12.3	-24.32	14.84
Stage 5-Scavo H=4m	-12.5	-21.61	13.53
Stage 5-Scavo H=4m	-12.7	-19.16	12.25
Stage 5-Scavo H=4m	-12.9	-16.96	11
Stage 5-Scavo H=4m	-13.1	-15	9.78
Stage 5-Scavo H=4m	-13.3	-13.28	8.62
Stage 5-Scavo H=4m	-13.5	-11.78	7.5
Stage 5-Scavo H=4m	-13.7	-10.49	6.45
Stage 5-Scavo H=4m	-13.9	-9.39	5.47
Stage 5-Scavo H=4m	-14.1	-8.48	4.56
Stage 5-Scavo H=4m	-14.3	-7.74	3.72
Stage 5-Scavo H=4m	-14.5	-7.15	2.96
Stage 5-Scavo H=4m	-14.7	-6.69	2.29
Stage 5-Scavo H=4m	-14.9	-6.35	1.7
Stage 5-Scavo H=4m	-15.1	-6.11	1.2
Stage 5-Scavo H=4m	-15.3	-5.95	0.8
Stage 5-Scavo H=4m	-15.5	-5.85	0.5
Stage 5-Scavo H=4m	-15.7	-5.79	0.29
Stage 5-Scavo H=4m	-15.9	-5.75	0.19
Stage 5-Scavo H=4m	-16.1	-5.71	0.2
Stage 5-Scavo H=4m	-16.3	-5.65	0.33
Stage 5-Scavo H=4m	-16.5	-5.53	0.57
Stage 5-Scavo H=4m	-16.7	-5.35	0.92
Stage 5-Scavo H=4m	-16.9	-5.07	1.41
Stage 5-Scavo H=4m	-17.1	-4.66	2.02
Stage 5-Scavo H=4m	-17.3	-4.11	2.76
Stage 5-Scavo H=4m	-17.5	-3.38	3.64
Stage 5-Scavo H=4m	-17.7	-2.45	4.66
Stage 5-Scavo H=4m	-17.9	-1.71	3.72
Stage 5-Scavo H=4m	-18.1	-1.13	2.89
Stage 5-Scavo H=4m	-18.3	-0.69	2.16
Stage 5-Scavo H=4m	-18.5	-0.39	1.54
Stage 5-Scavo H=4m	-18.7	-0.18	1.01
Stage 5-Scavo H=4m	-18.9	-0.07	0.59
Stage 5-Scavo H=4m	-19.1	-0.01	0.27
Stage 5-Scavo H=4m	-19.3	0	0.06

6.2.6. Tabella Risultati Paratia A1+M1+R1 (R3 per tiranti) - Left Wall - Stage: Stage 6-Scavo H=6.5m

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=6.5m	-0.1	0	0
Stage 6-Scavo H=6.5m	-0.3	0	0
Stage 6-Scavo H=6.5m	-0.3	0	0
Stage 6-Scavo H=6.5m	-0.5	0	0
Stage 6-Scavo H=6.5m	-0.5	0	0
Stage 6-Scavo H=6.5m	-0.7	0	0
Stage 6-Scavo H=6.5m	-0.7	0	0
Stage 6-Scavo H=6.5m	-0.9	0	0
Stage 6-Scavo H=6.5m	-0.9	0	0
Stage 6-Scavo H=6.5m	-1.1	0	0
Stage 6-Scavo H=6.5m	-1.1	0	0
Stage 6-Scavo H=6.5m	-1.3	0	0
Stage 6-Scavo H=6.5m	-1.3	0	0
Stage 6-Scavo H=6.5m	-1.5	0	0
Stage 6-Scavo H=6.5m	-1.5	0	0
Stage 6-Scavo H=6.5m	-1.7	0	0
Stage 6-Scavo H=6.5m	-1.7	0	0
Stage 6-Scavo H=6.5m	-1.9	0	0
Stage 6-Scavo H=6.5m	-1.9	0	0
Stage 6-Scavo H=6.5m	-2.1	-0.04	-0.22
Stage 6-Scavo H=6.5m	-2.3	-0.21	-0.83
Stage 6-Scavo H=6.5m	-2.5	-0.57	-1.82
Stage 6-Scavo H=6.5m	-2.7	-1.21	-3.19
Stage 6-Scavo H=6.5m	-2.9	-2.2	-4.96
Stage 6-Scavo H=6.5m	-3.1	-3.62	-7.1
Stage 6-Scavo H=6.5m	-3.3	-5.55	-9.64
Stage 6-Scavo H=6.5m	-3.5	-8.06	-12.55
Stage 6-Scavo H=6.5m	-3.7	-11.23	-15.86
Stage 6-Scavo H=6.5m	-3.9	-15.14	-19.54
Stage 6-Scavo H=6.5m	-4.1	-19.86	-23.62
Stage 6-Scavo H=6.5m	-4.3	-25.48	-28.08
Stage 6-Scavo H=6.5m	-4.5	-32.06	-32.92
Stage 6-Scavo H=6.5m	-4.7	-39.69	-38.15
Stage 6-Scavo H=6.5m	-4.9	-48.45	-43.77
Stage 6-Scavo H=6.5m	-5.1	-58.4	-49.77
Stage 6-Scavo H=6.5m	-5.3	-69.63	-56.15
Stage 6-Scavo H=6.5m	-5.5	-82.22	-62.92
Stage 6-Scavo H=6.5m	-5.7	-96.66	-72.22
Stage 6-Scavo H=6.5m	-5.9	-113.06	-82.02
Stage 6-Scavo H=6.5m	-6.1	-131.53	-92.32
Stage 6-Scavo H=6.5m	-6.3	-152.15	-103.12
Stage 6-Scavo H=6.5m	-6.5	-175.03	-114.42
Stage 6-Scavo H=6.5m	-6.7	-200.28	-126.23
Stage 6-Scavo H=6.5m	-6.9	-225.69	-127.04
Stage 6-Scavo H=6.5m	-7.1	-250.67	-124.9
Stage 6-Scavo H=6.5m	-7.3	-274.65	-119.93
Stage 6-Scavo H=6.5m	-7.5	-297.33	-113.39
Stage 6-Scavo H=6.5m	-7.7	-318.39	-105.26
Stage 6-Scavo H=6.5m	-7.9	-337.5	-95.56
Stage 6-Scavo H=6.5m	-8.1	-354.35	-84.27
Stage 6-Scavo H=6.5m	-8.3	-368.91	-72.8
Stage 6-Scavo H=6.5m	-8.5	-381.3	-61.96
Stage 6-Scavo H=6.5m	-8.7	-391.65	-51.75
Stage 6-Scavo H=6.5m	-8.9	-400.08	-42.13
Stage 6-Scavo H=6.5m	-9.1	-406.7	-33.09
Stage 6-Scavo H=6.5m	-9.3	-411.61	-24.6
Stage 6-Scavo H=6.5m	-9.5	-414.94	-16.64
Stage 6-Scavo H=6.5m	-9.7	-416.78	-9.19
Stage 6-Scavo H=6.5m	-9.9	-417.23	-2.23
Stage 6-Scavo H=6.5m	-10.1	-416.38	4.26
Stage 6-Scavo H=6.5m	-10.3	-414.32	10.3
Stage 6-Scavo H=6.5m	-10.5	-411.13	15.92
Stage 6-Scavo H=6.5m	-10.7	-406.91	21.14
Stage 6-Scavo H=6.5m	-10.9	-401.71	25.97
Stage 6-Scavo H=6.5m	-11.1	-395.62	30.44

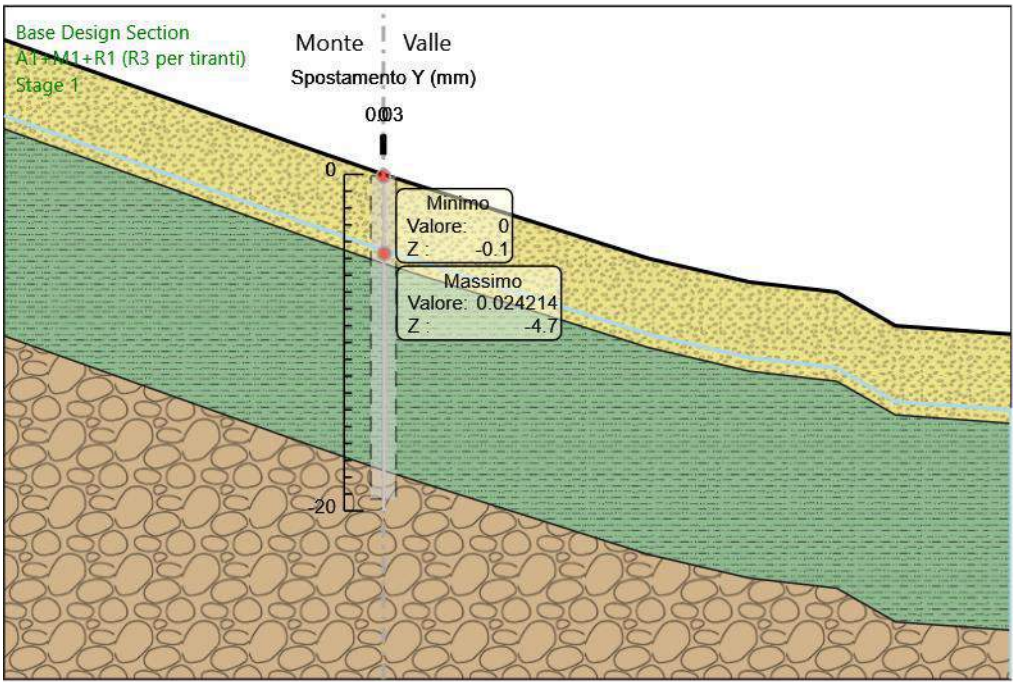
Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=6.5m	-11.3	-388.71	34.57
Stage 6-Scavo H=6.5m	-11.5	-381.03	38.38
Stage 6-Scavo H=6.5m	-11.7	-372.65	41.89
Stage 6-Scavo H=6.5m	-11.9	-363.63	45.11
Stage 6-Scavo H=6.5m	-12.1	-354.02	48.06
Stage 6-Scavo H=6.5m	-12.3	-343.87	50.77
Stage 6-Scavo H=6.5m	-12.5	-333.22	53.24
Stage 6-Scavo H=6.5m	-12.7	-322.12	55.5
Stage 6-Scavo H=6.5m	-12.9	-310.61	57.56
Stage 6-Scavo H=6.5m	-13.1	-298.72	59.43
Stage 6-Scavo H=6.5m	-13.3	-286.49	61.14
Stage 6-Scavo H=6.5m	-13.5	-273.96	62.69
Stage 6-Scavo H=6.5m	-13.7	-261.14	64.1
Stage 6-Scavo H=6.5m	-13.9	-248.09	65.22
Stage 6-Scavo H=6.5m	-14.1	-234.9	65.94
Stage 6-Scavo H=6.5m	-14.3	-221.64	66.32
Stage 6-Scavo H=6.5m	-14.5	-208.37	66.37
Stage 6-Scavo H=6.5m	-14.7	-195.14	66.13
Stage 6-Scavo H=6.5m	-14.9	-182.01	65.63
Stage 6-Scavo H=6.5m	-15.1	-169.03	64.9
Stage 6-Scavo H=6.5m	-15.3	-156.24	63.96
Stage 6-Scavo H=6.5m	-15.5	-143.68	62.84
Stage 6-Scavo H=6.5m	-15.7	-131.36	61.56
Stage 6-Scavo H=6.5m	-15.9	-119.34	60.14
Stage 6-Scavo H=6.5m	-16.1	-107.62	58.6
Stage 6-Scavo H=6.5m	-16.3	-96.23	56.96
Stage 6-Scavo H=6.5m	-16.5	-85.18	55.2
Stage 6-Scavo H=6.5m	-16.7	-74.56	53.13
Stage 6-Scavo H=6.5m	-16.9	-64.4	50.77
Stage 6-Scavo H=6.5m	-17.1	-54.78	48.13
Stage 6-Scavo H=6.5m	-17.3	-45.73	45.23
Stage 6-Scavo H=6.5m	-17.5	-37.31	42.09
Stage 6-Scavo H=6.5m	-17.7	-29.57	38.72
Stage 6-Scavo H=6.5m	-17.9	-22.7	34.33
Stage 6-Scavo H=6.5m	-18.1	-16.73	29.88
Stage 6-Scavo H=6.5m	-18.3	-11.65	25.39
Stage 6-Scavo H=6.5m	-18.5	-7.48	20.86
Stage 6-Scavo H=6.5m	-18.7	-4.22	16.29
Stage 6-Scavo H=6.5m	-18.9	-1.88	11.68
Stage 6-Scavo H=6.5m	-19.1	-0.47	7.04
Stage 6-Scavo H=6.5m	-19.3	0	2.36

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

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sismica	-0.1	0	0
Sismica	-0.3	0	0
Sismica	-0.3	0	0
Sismica	-0.5	0	0
Sismica	-0.5	0	0
Sismica	-0.7	0	0
Sismica	-0.7	0	0
Sismica	-0.9	0	0
Sismica	-0.9	0	0
Sismica	-1.1	0	0
Sismica	-1.1	0	0
Sismica	-1.3	0	0
Sismica	-1.3	0	0
Sismica	-1.5	0	0
Sismica	-1.5	0	0
Sismica	-1.7	0	0
Sismica	-1.7	0	0
Sismica	-1.9	0	0
Sismica	-1.9	0	0
Sismica	-2.1	-0.04	-0.22
Sismica	-2.3	-0.21	-0.83
Sismica	-2.5	-0.57	-1.82
Sismica	-2.7	-1.21	-3.19
Sismica	-2.9	-2.2	-4.96
Sismica	-3.1	-3.62	-7.1
Sismica	-3.3	-5.55	-9.64
Sismica	-3.5	-8.06	-12.55
Sismica	-3.7	-11.23	-15.86
Sismica	-3.9	-15.14	-19.54
Sismica	-4.1	-19.86	-23.62
Sismica	-4.3	-25.48	-28.08
Sismica	-4.5	-32.06	-32.92
Sismica	-4.7	-39.69	-38.15
Sismica	-4.9	-48.45	-43.77
Sismica	-5.1	-58.4	-49.77
Sismica	-5.3	-69.63	-56.15
Sismica	-5.5	-82.22	-62.92
Sismica	-5.7	-96.66	-72.22
Sismica	-5.9	-113.06	-82.02
Sismica	-6.1	-131.53	-92.32
Sismica	-6.3	-152.15	-103.12
Sismica	-6.5	-175.03	-114.42
Sismica	-6.7	-200.28	-126.23
Sismica	-6.9	-225.69	-127.04
Sismica	-7.1	-250.67	-124.9
Sismica	-7.3	-274.65	-119.93
Sismica	-7.5	-297.33	-113.39
Sismica	-7.7	-318.39	-105.26
Sismica	-7.9	-337.5	-95.56
Sismica	-8.1	-354.35	-84.27
Sismica	-8.3	-368.91	-72.8
Sismica	-8.5	-381.3	-61.96
Sismica	-8.7	-391.65	-51.75
Sismica	-8.9	-400.08	-42.13
Sismica	-9.1	-406.7	-33.09
Sismica	-9.3	-411.61	-24.6
Sismica	-9.5	-414.94	-16.64
Sismica	-9.7	-416.78	-9.19
Sismica	-9.9	-417.23	-2.23
Sismica	-10.1	-416.38	4.26
Sismica	-10.3	-414.32	10.3
Sismica	-10.5	-411.13	15.92
Sismica	-10.7	-406.91	21.14
Sismica	-10.9	-401.71	25.97
Sismica	-11.1	-395.62	30.44
Sismica	-11.3	-388.71	34.57
Sismica	-11.5	-381.03	38.38

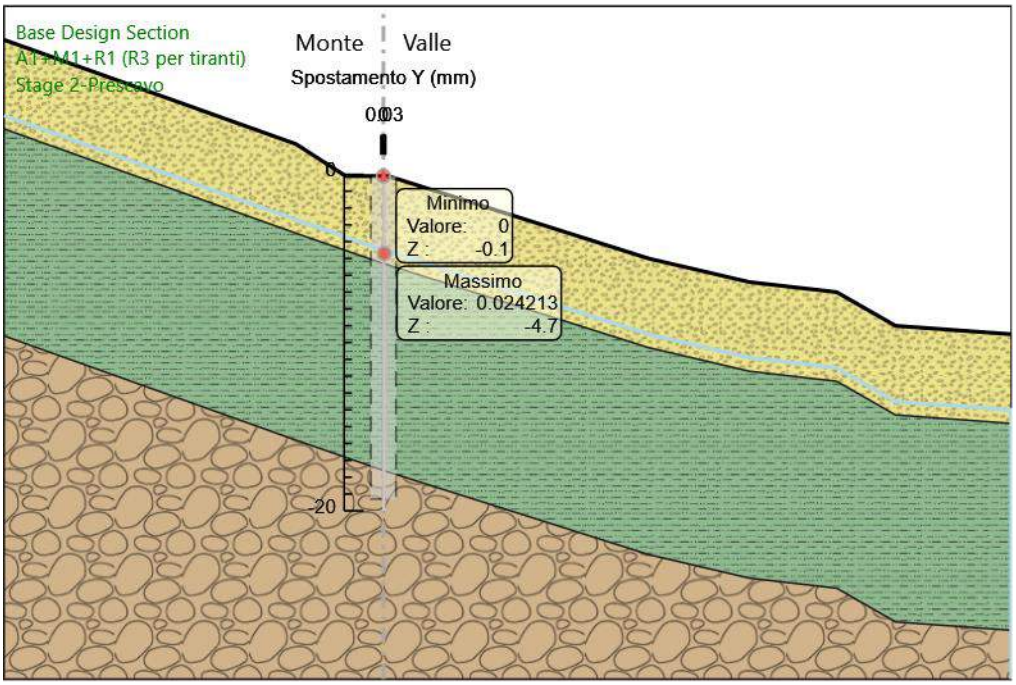
Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Sismica	-11.7	-372.65	41.89
Sismica	-11.9	-363.63	45.11
Sismica	-12.1	-354.02	48.06
Sismica	-12.3	-343.87	50.77
Sismica	-12.5	-333.22	53.24
Sismica	-12.7	-322.12	55.5
Sismica	-12.9	-310.61	57.56
Sismica	-13.1	-298.72	59.43
Sismica	-13.3	-286.49	61.14
Sismica	-13.5	-273.96	62.69
Sismica	-13.7	-261.14	64.1
Sismica	-13.9	-248.09	65.22
Sismica	-14.1	-234.9	65.94
Sismica	-14.3	-221.64	66.32
Sismica	-14.5	-208.37	66.37
Sismica	-14.7	-195.14	66.13
Sismica	-14.9	-182.01	65.63
Sismica	-15.1	-169.03	64.9
Sismica	-15.3	-156.24	63.96
Sismica	-15.5	-143.68	62.84
Sismica	-15.7	-131.36	61.56
Sismica	-15.9	-119.34	60.14
Sismica	-16.1	-107.62	58.6
Sismica	-16.3	-96.23	56.96
Sismica	-16.5	-85.18	55.2
Sismica	-16.7	-74.56	53.13
Sismica	-16.9	-64.4	50.77
Sismica	-17.1	-54.78	48.13
Sismica	-17.3	-45.73	45.23
Sismica	-17.5	-37.31	42.09
Sismica	-17.7	-29.57	38.72
Sismica	-17.9	-22.7	34.33
Sismica	-18.1	-16.73	29.88
Sismica	-18.3	-11.65	25.39
Sismica	-18.5	-7.48	20.86
Sismica	-18.7	-4.22	16.29
Sismica	-18.9	-1.88	11.68
Sismica	-19.1	-0.47	7.04
Sismica	-19.3	0	2.36

6.2.8. Grafico Spostamento A1+M1+R1 (R3 per tiranti) - Stage: Stage 1



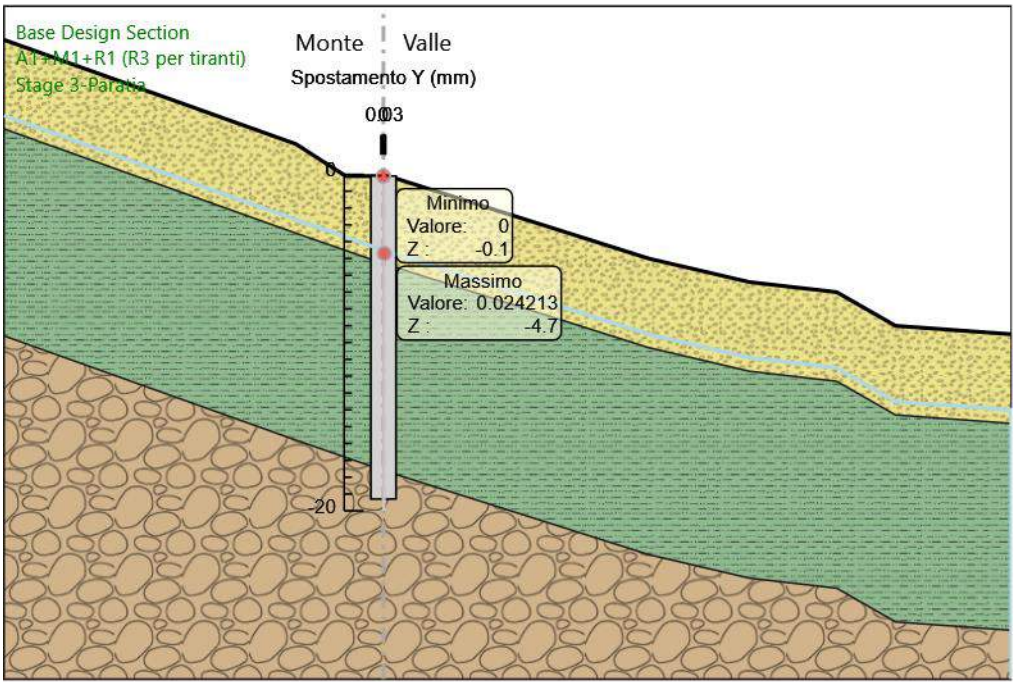
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 1
Spostamento orizzontale

6.2.9. Grafico Spostamento A1+M1+R1 (R3 per tiranti) - Stage: Stage 2-Prescavo



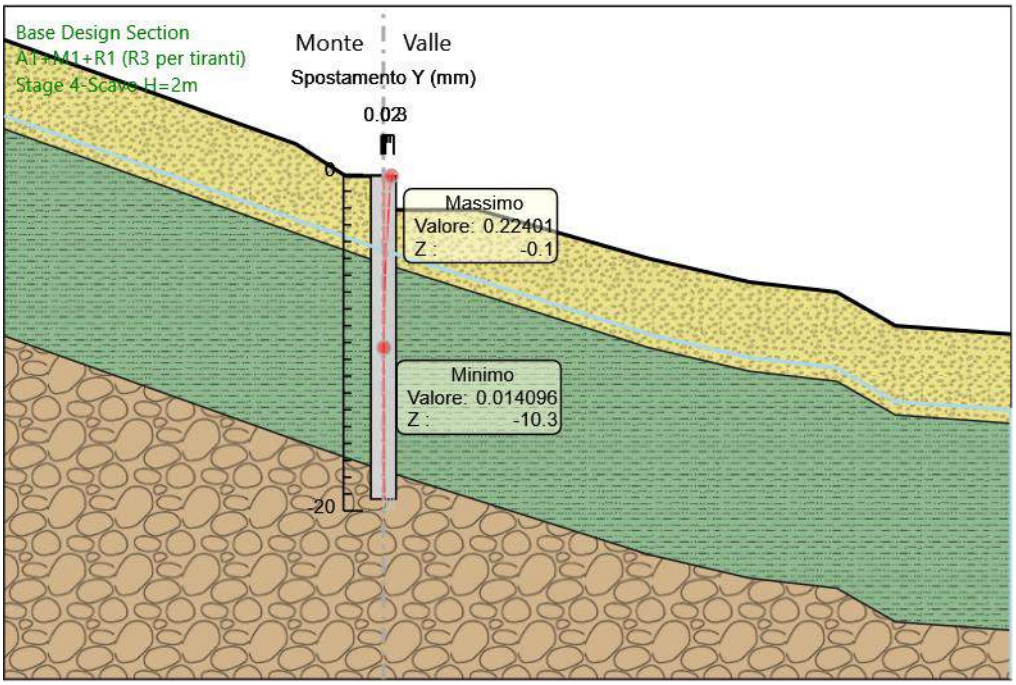
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 2-Prescavo
Spostamento orizzontale

6.2.10. Grafico Spostamento A1+M1+R1 (R3 per tiranti) - Stage: Stage 3-Paratia



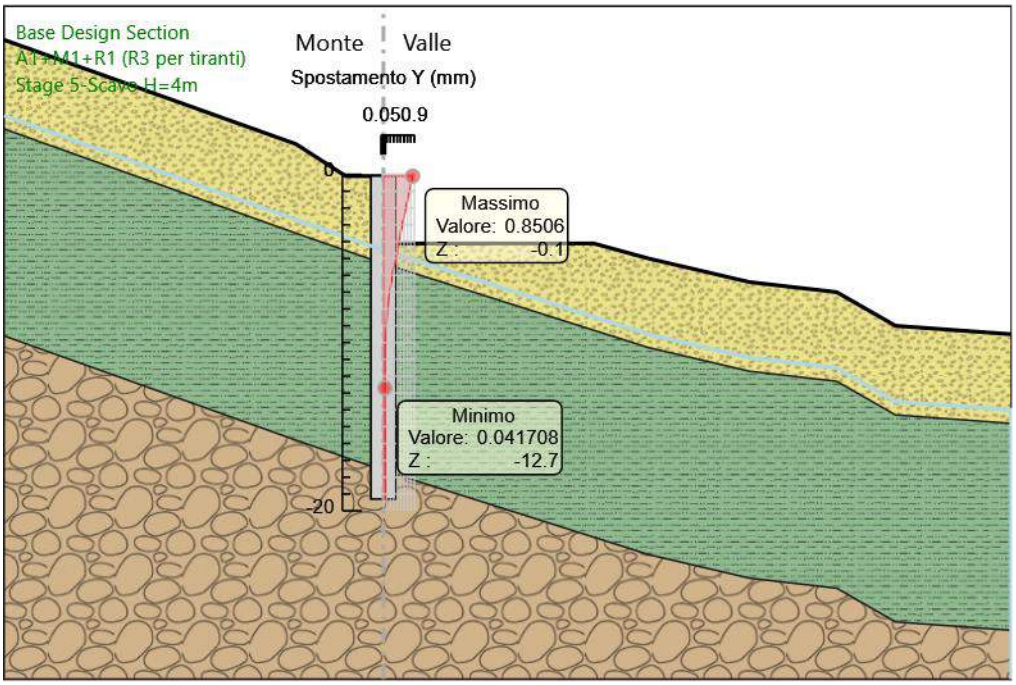
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 3-Paratia
Spostamento orizzontale

6.2.11. Grafico Spostamento A1+M1+R1 (R3 per tiranti) - Stage: Stage 4-Scavo H=2m



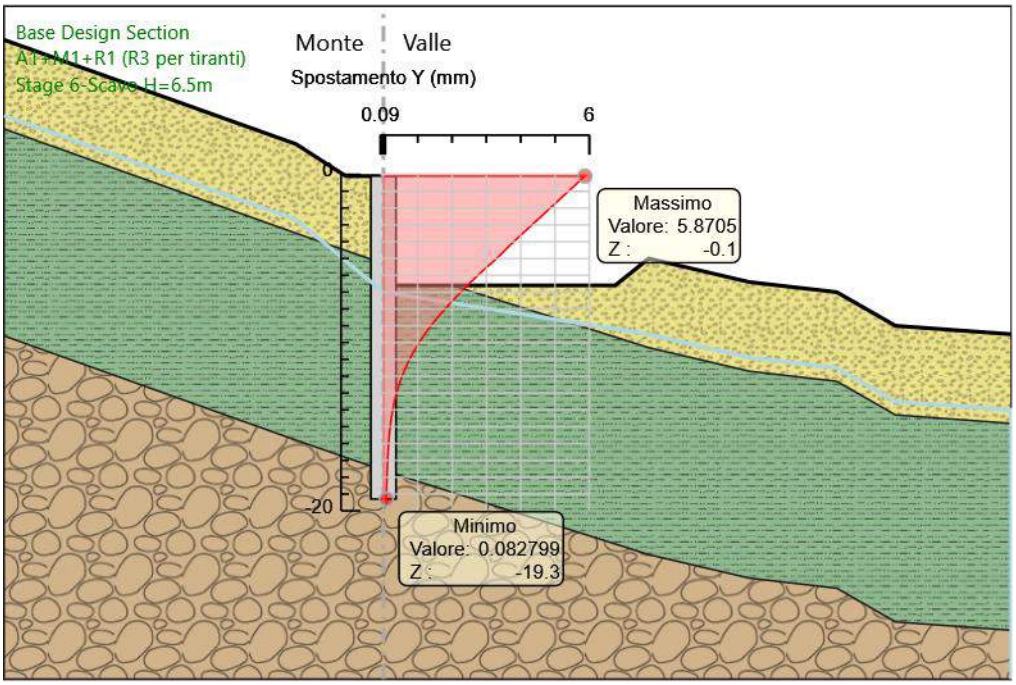
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 4-Scavo H=2m
Spostamento orizzontale

6.2.12. Grafico Spostamento A1+M1+R1 (R3 per tiranti) - Stage: Stage 5-Scavo H=4m



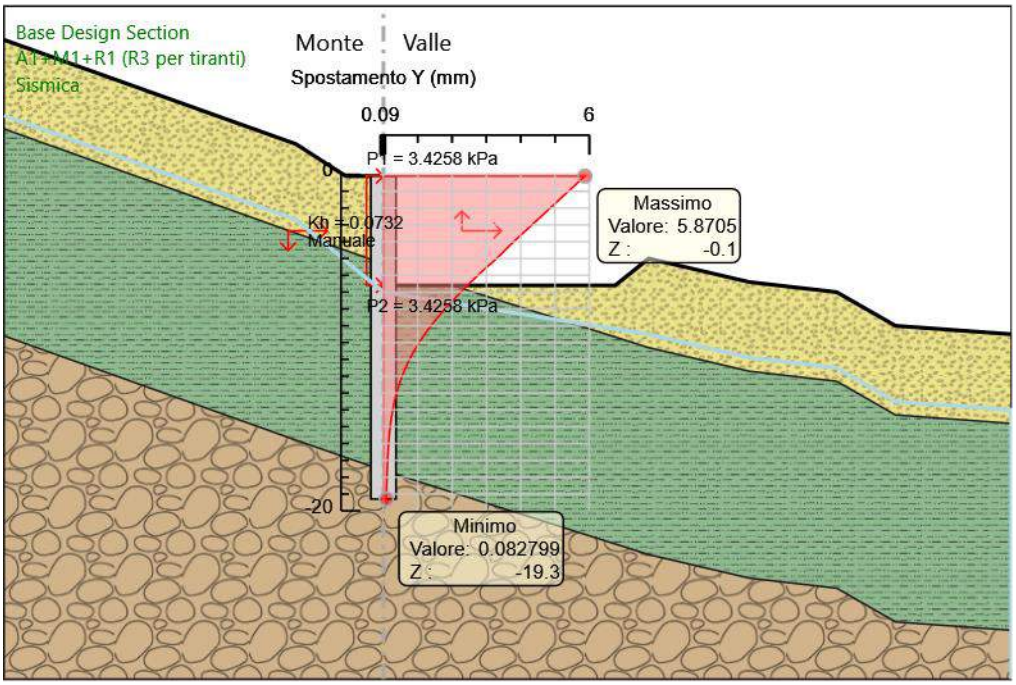
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 5-Scavo H=4m
Spostamento orizzontale

6.2.13. Grafico Spostamento A1+M1+R1 (R3 per tiranti) - Stage: Stage 6-Scavo H=6.5m



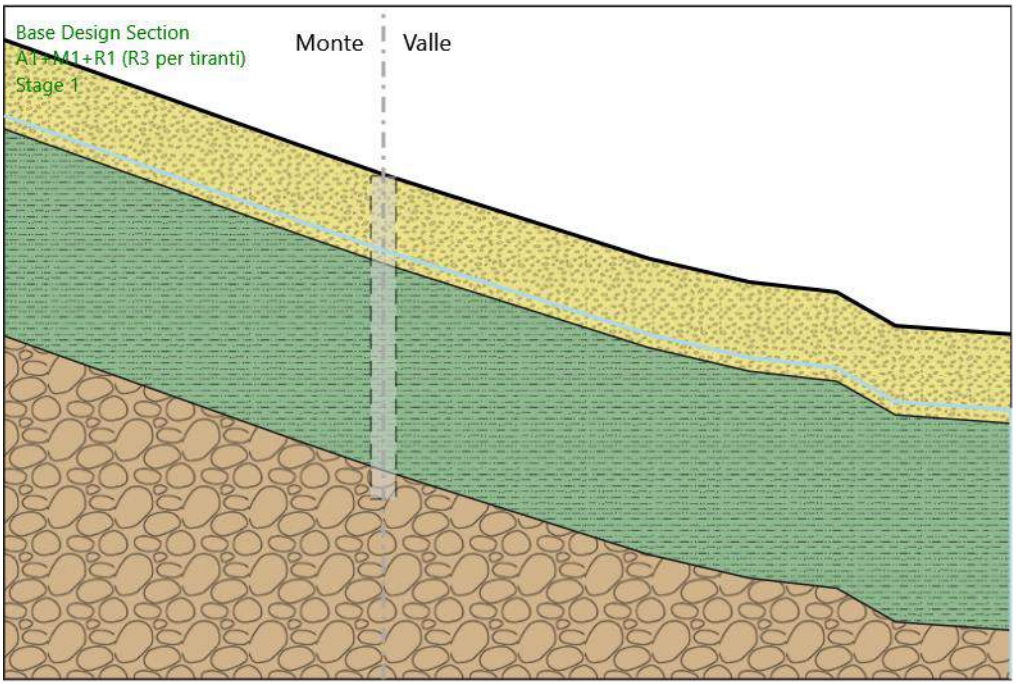
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 6-Scavo H=6.5m
Spostamento orizzontale

6.2.14. Grafico Spostamento A1+M1+R1 (R3 per tiranti) - Stage: Sismica



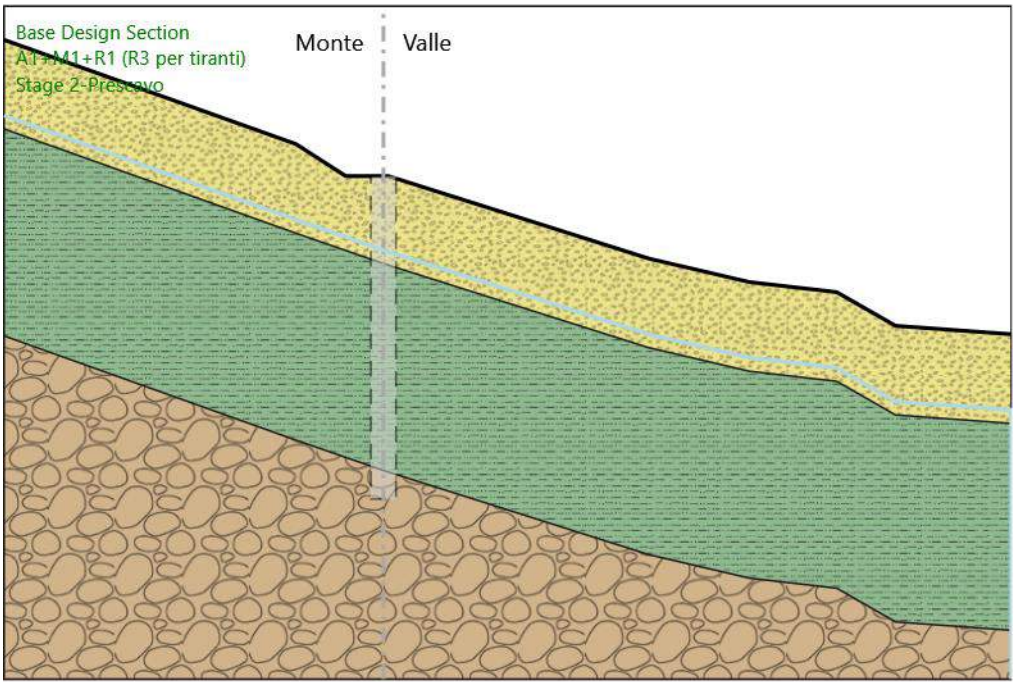
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Sismica
Spostamento orizzontale

6.2.15. Grafico Risultati Momento A1+M1+R1 (R3 per tiranti) - Stage: Stage 1



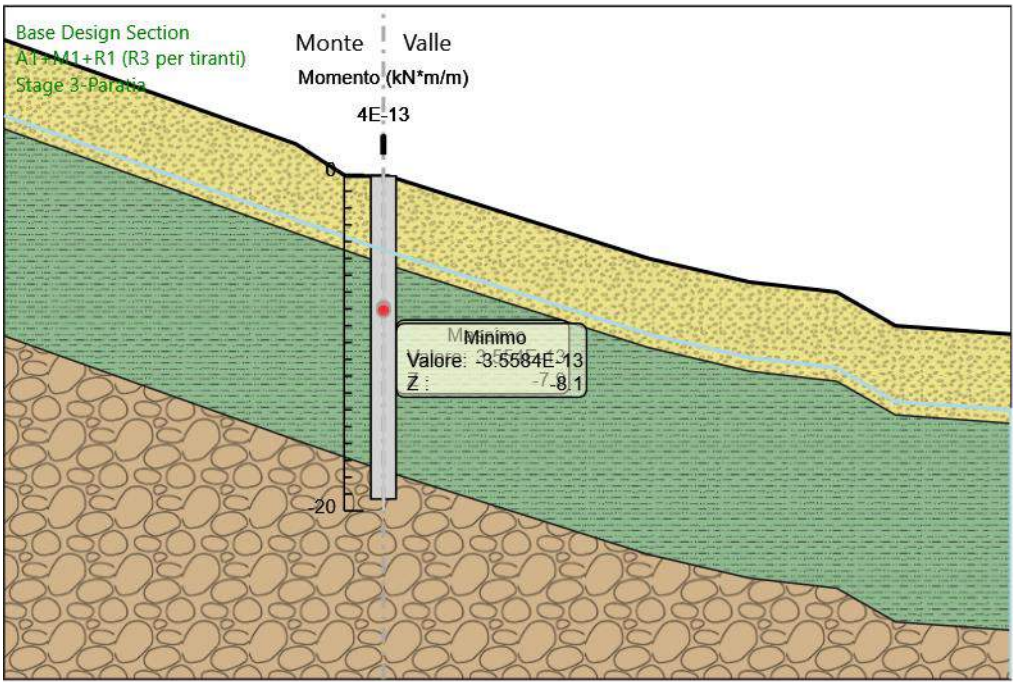
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 1
Momento

6.2.16. Grafico Risultati Momento A1+M1+R1 (R3 per tiranti) - Stage: Stage 2-Prescavo



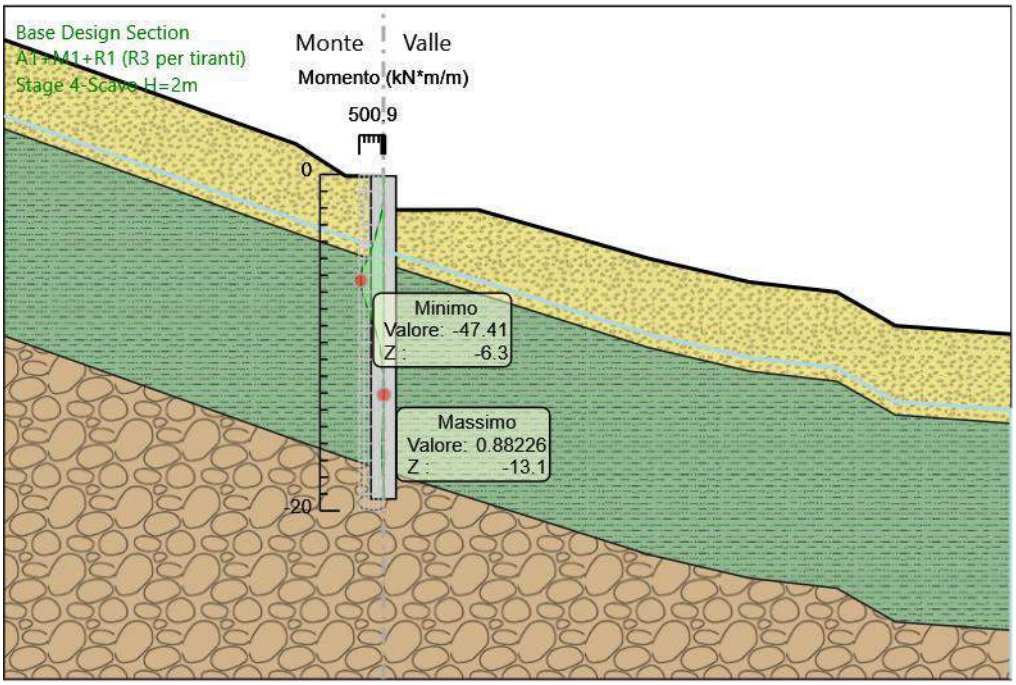
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 2-Prescavo
Momento

6.2.17. Grafico Risultati Momento A1+M1+R1 (R3 per tiranti) - Stage: Stage 3-Paratia



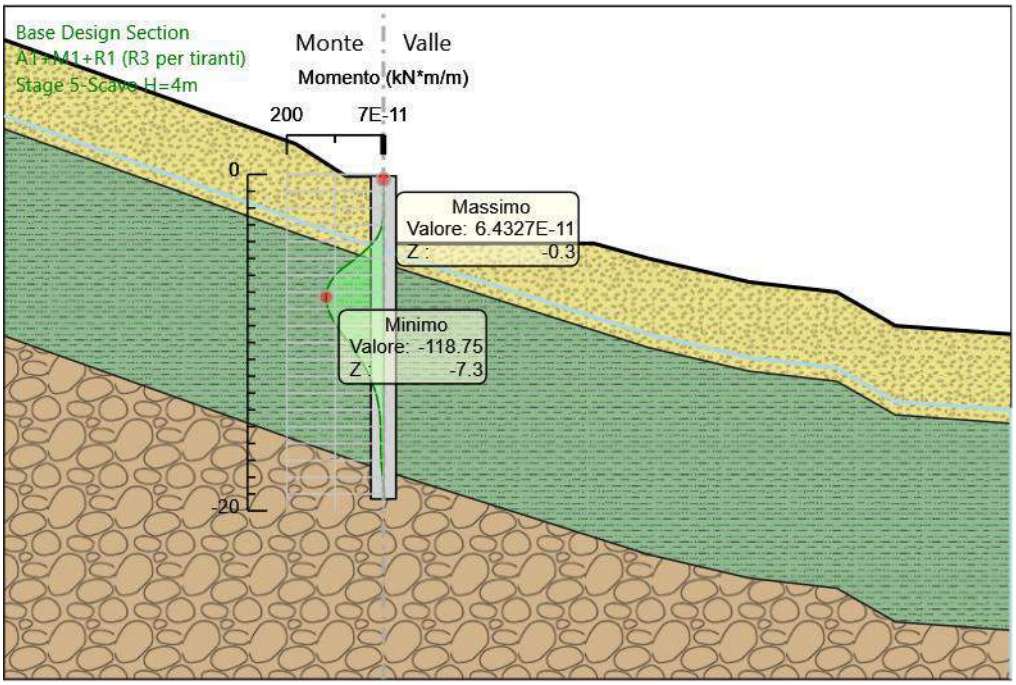
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 3-Paratia
Momento

6.2.18. Grafico Risultati Momento A1+M1+R1 (R3 per tiranti) - Stage: Stage 4-Scavo H=2m



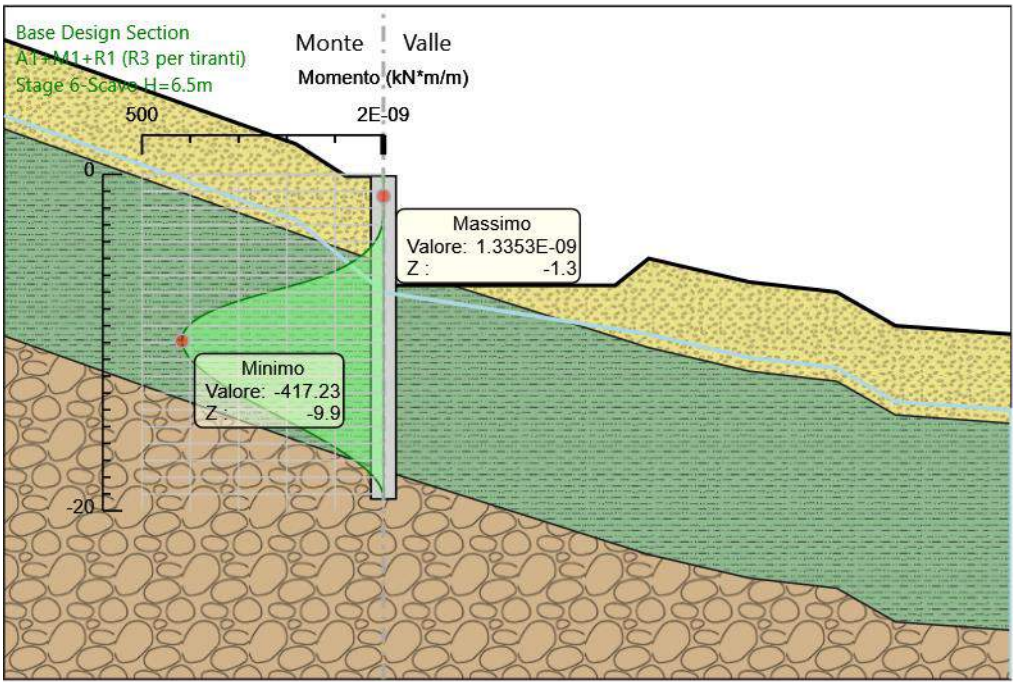
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 4-Scavo H=2m
Momento

6.2.19. Grafico Risultati Momento A1+M1+R1 (R3 per tiranti) - Stage: Stage 5-Scavo H=4m



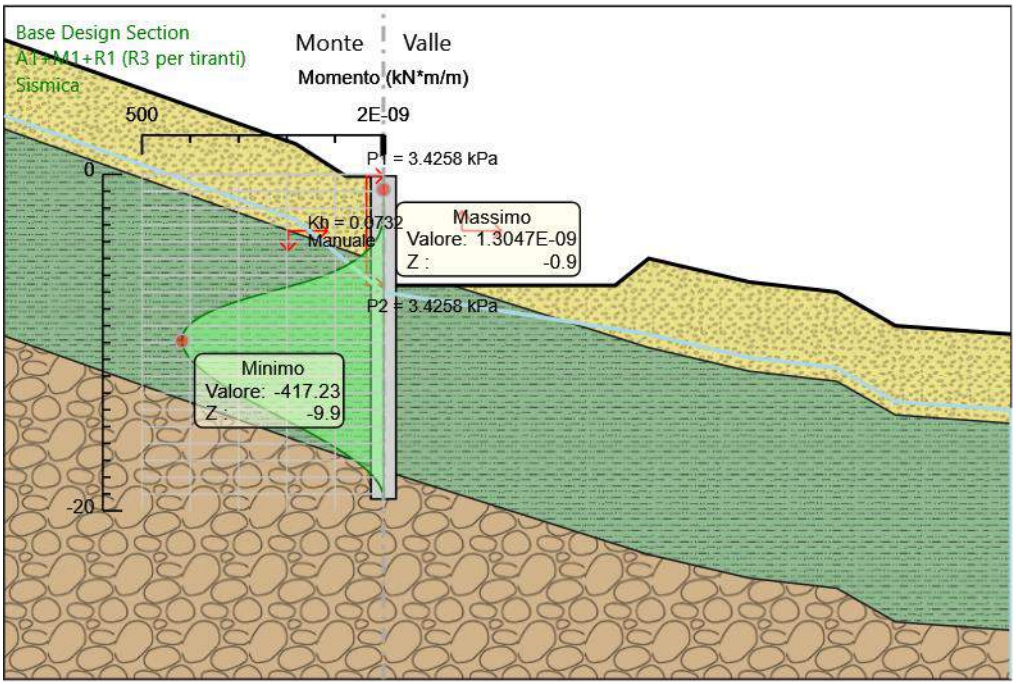
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 5-Scavo H=4m
Momento

6.2.20. Grafico Risultati Momento A1+M1+R1 (R3 per tiranti) - Stage: Stage 6-Scavo H=6.5m



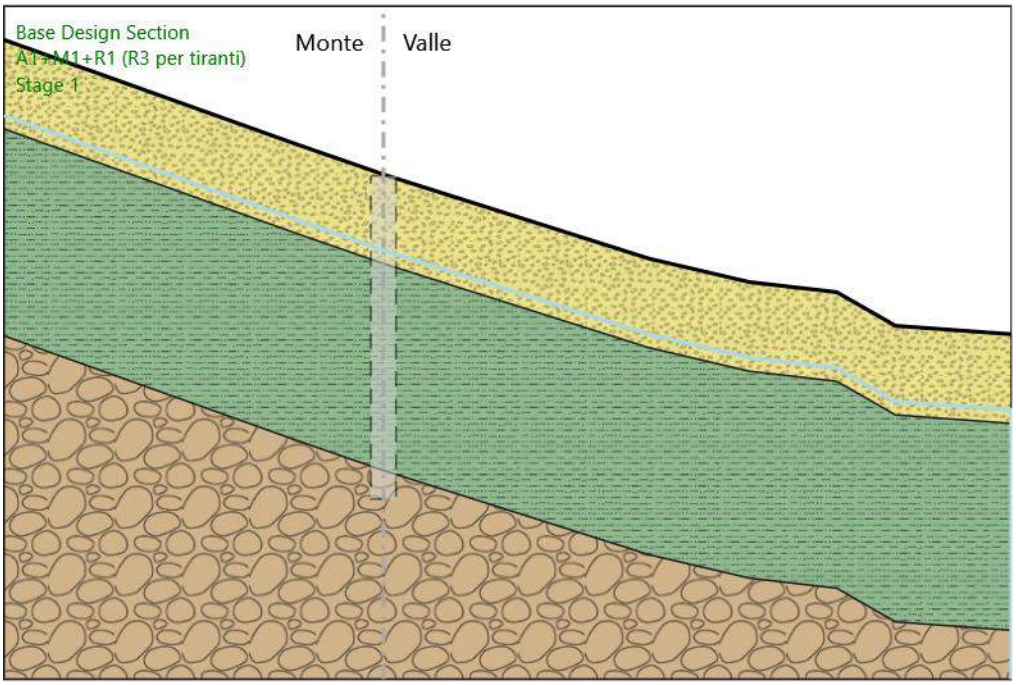
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 6-Scavo H=6.5m
Momento

6.2.21. Grafico Risultati Momento A1+M1+R1 (R3 per tiranti) - Stage: Sismica



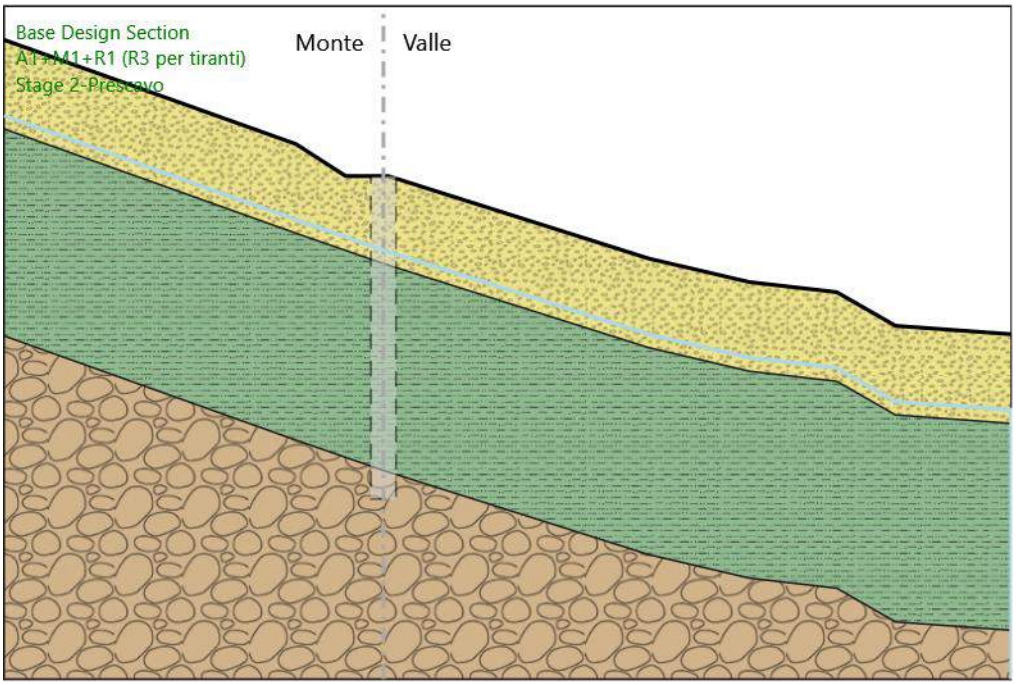
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Sismica
Momento

6.2.22. Grafico Risultati Taglio A1+M1+R1 (R3 per tiranti) - Stage: Stage 1



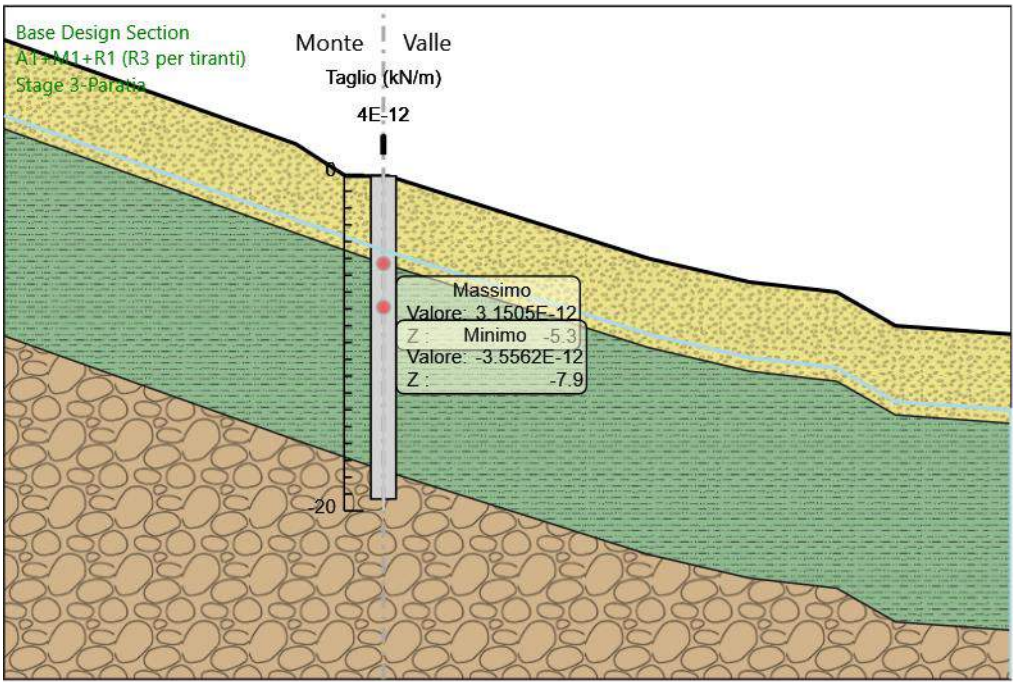
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 1
Taglio

6.2.23. Grafico Risultati Taglio A1+M1+R1 (R3 per tiranti) - Stage: Stage 2-Prescavo



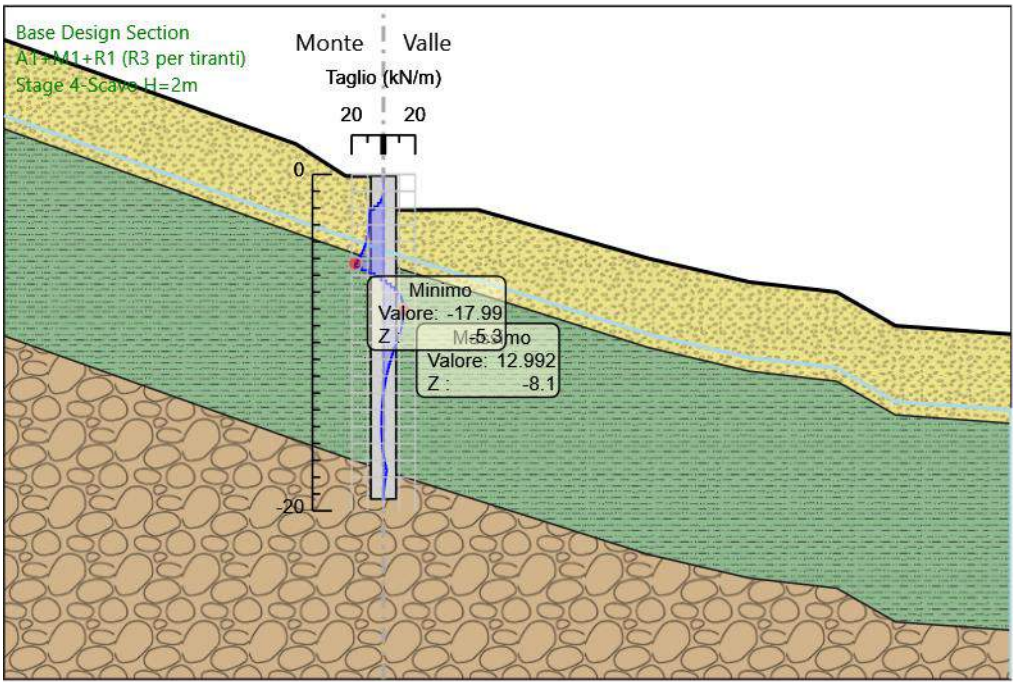
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 2-Prescavo
Taglio

6.2.24. Grafico Risultati Taglio A1+M1+R1 (R3 per tiranti) - Stage: Stage 3-Paratia



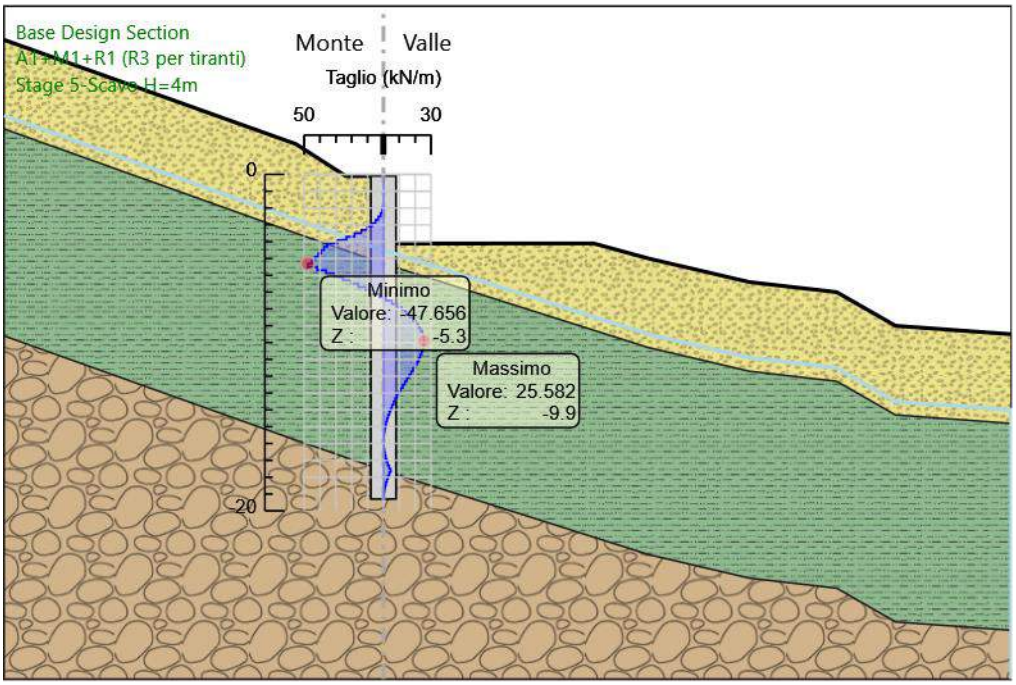
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 3-Paratia
Taglio

6.2.25. Grafico Risultati Taglio A1+M1+R1 (R3 per tiranti) - Stage: Stage 4-Scavo H=2m



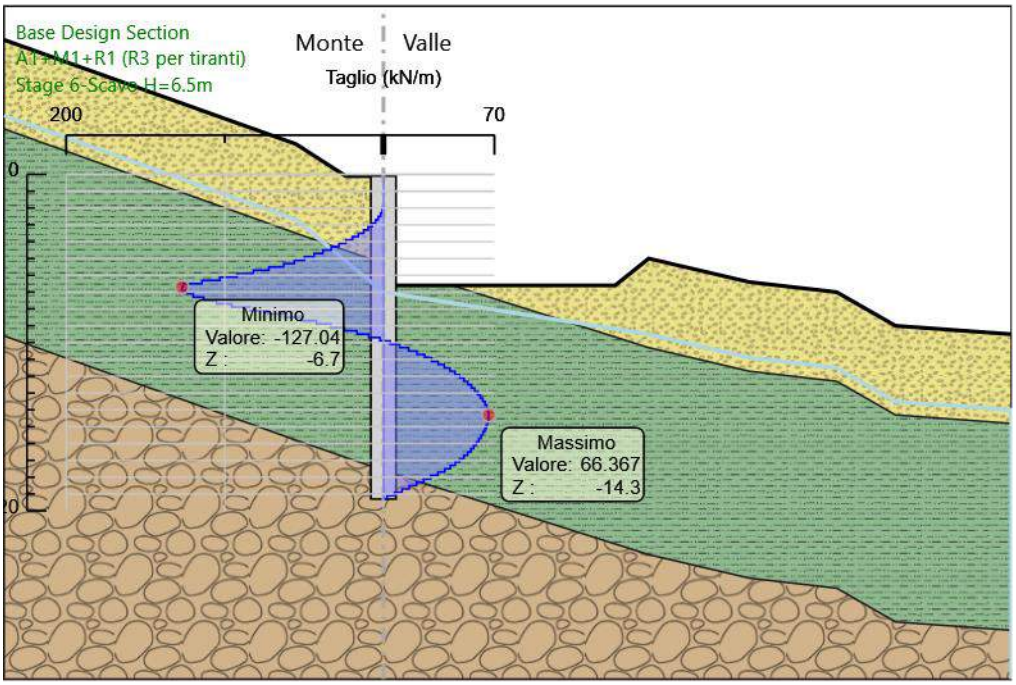
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 4-Scavo H=2m
Taglio

6.2.26. Grafico Risultati Taglio A1+M1+R1 (R3 per tiranti) - Stage: Stage 5-Scavo H=4m



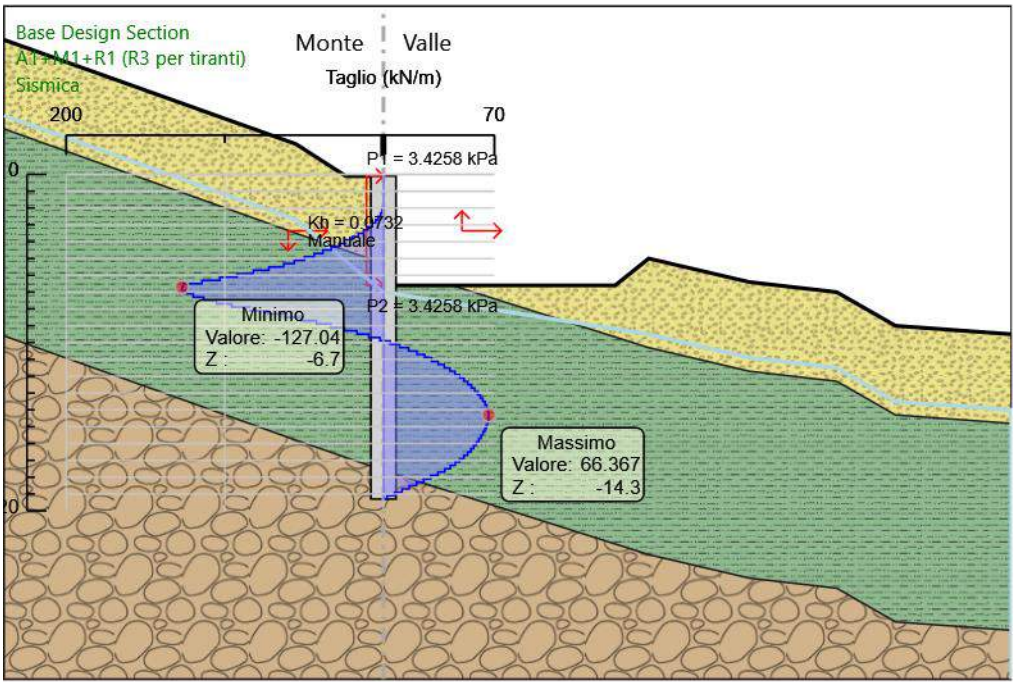
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 5-Scavo H=4m
Taglio

6.2.27. Grafico Risultati Taglio A1+M1+R1 (R3 per tiranti) - Stage: Stage 6-Scavo H=6.5m



Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 6-Scavo H=6.5m
Taglio

6.2.28. Grafico Risultati Taglio A1+M1+R1 (R3 per tiranti) - Stage: Sismica



Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Sismica
Taglio

6.3. Risultati A2+M2+R1

6.3.1. 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	-0.1	0	0
Stage 1	-0.3	0	0
Stage 1	-0.5	0	0
Stage 1	-0.7	0	0
Stage 1	-0.9	0	0
Stage 1	-1.1	0	0
Stage 1	-1.3	0	0
Stage 1	-1.5	0	0
Stage 1	-1.7	0	0
Stage 1	-1.9	0	0
Stage 1	-2.1	0	0
Stage 1	-2.3	0	0
Stage 1	-2.5	0	0
Stage 1	-2.7	0	0
Stage 1	-2.9	0	0
Stage 1	-3.1	0	0
Stage 1	-3.3	0	0
Stage 1	-3.5	0	0
Stage 1	-3.7	0	0
Stage 1	-3.9	0	0
Stage 1	-4.1	0	0
Stage 1	-4.3	0	0
Stage 1	-4.5	0	0
Stage 1	-4.7	0	0
Stage 1	-4.9	0	0
Stage 1	-5.1	0	0
Stage 1	-5.3	0	0
Stage 1	-5.5	0	0
Stage 1	-5.7	0	0
Stage 1	-5.9	0	0
Stage 1	-6.1	0	0
Stage 1	-6.3	0	0
Stage 1	-6.5	0	0
Stage 1	-6.7	0	0
Stage 1	-6.9	0	0
Stage 1	-7.1	0	0
Stage 1	-7.3	0	0
Stage 1	-7.5	0	0
Stage 1	-7.7	0	0
Stage 1	-7.9	0	0
Stage 1	-8.1	0	0
Stage 1	-8.3	0	0
Stage 1	-8.5	0	0
Stage 1	-8.7	0	0
Stage 1	-8.9	0	0
Stage 1	-9.1	0	0
Stage 1	-9.3	0	0
Stage 1	-9.5	0	0
Stage 1	-9.7	0	0
Stage 1	-9.9	0	0
Stage 1	-10.1	0	0
Stage 1	-10.3	0	0
Stage 1	-10.5	0	0
Stage 1	-10.7	0	0
Stage 1	-10.9	0	0
Stage 1	-11.1	0	0
Stage 1	-11.3	0	0
Stage 1	-11.5	0	0
Stage 1	-11.7	0	0
Stage 1	-11.9	0	0
Stage 1	-12.1	0	0
Stage 1	-12.3	0	0
Stage 1	-12.5	0	0
Stage 1	-12.7	0	0

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	-12.9	0	0
Stage 1	-13.1	0	0
Stage 1	-13.3	0	0
Stage 1	-13.5	0	0
Stage 1	-13.7	0	0
Stage 1	-13.9	0	0
Stage 1	-14.1	0	0
Stage 1	-14.3	0	0
Stage 1	-14.5	0	0
Stage 1	-14.7	0	0
Stage 1	-14.9	0	0
Stage 1	-15.1	0	0
Stage 1	-15.3	0	0
Stage 1	-15.5	0	0
Stage 1	-15.7	0	0
Stage 1	-15.9	0	0
Stage 1	-16.1	0	0
Stage 1	-16.3	0	0
Stage 1	-16.5	0	0
Stage 1	-16.7	0	0
Stage 1	-16.9	0	0
Stage 1	-17.1	0	0
Stage 1	-17.3	0	0
Stage 1	-17.5	0	0
Stage 1	-17.7	0	0
Stage 1	-17.9	0	0
Stage 1	-18.1	0	0
Stage 1	-18.3	0	0
Stage 1	-18.5	0	0
Stage 1	-18.7	0	0
Stage 1	-18.9	0	0
Stage 1	-19.1	0	0
Stage 1	-19.3	0	0

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

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2-Prescavo	-0.1	0	0
Stage 2-Prescavo	-0.3	0	0
Stage 2-Prescavo	-0.5	0	0
Stage 2-Prescavo	-0.7	0	0
Stage 2-Prescavo	-0.9	0	0
Stage 2-Prescavo	-1.1	0	0
Stage 2-Prescavo	-1.3	0	0
Stage 2-Prescavo	-1.5	0	0
Stage 2-Prescavo	-1.7	0	0
Stage 2-Prescavo	-1.9	0	0
Stage 2-Prescavo	-2.1	0	0
Stage 2-Prescavo	-2.3	0	0
Stage 2-Prescavo	-2.5	0	0
Stage 2-Prescavo	-2.7	0	0
Stage 2-Prescavo	-2.9	0	0
Stage 2-Prescavo	-3.1	0	0
Stage 2-Prescavo	-3.3	0	0
Stage 2-Prescavo	-3.5	0	0
Stage 2-Prescavo	-3.7	0	0
Stage 2-Prescavo	-3.9	0	0
Stage 2-Prescavo	-4.1	0	0
Stage 2-Prescavo	-4.3	0	0
Stage 2-Prescavo	-4.5	0	0
Stage 2-Prescavo	-4.7	0	0
Stage 2-Prescavo	-4.9	0	0
Stage 2-Prescavo	-5.1	0	0
Stage 2-Prescavo	-5.3	0	0
Stage 2-Prescavo	-5.5	0	0
Stage 2-Prescavo	-5.7	0	0
Stage 2-Prescavo	-5.9	0	0
Stage 2-Prescavo	-6.1	0	0
Stage 2-Prescavo	-6.3	0	0
Stage 2-Prescavo	-6.5	0	0
Stage 2-Prescavo	-6.7	0	0
Stage 2-Prescavo	-6.9	0	0
Stage 2-Prescavo	-7.1	0	0
Stage 2-Prescavo	-7.3	0	0
Stage 2-Prescavo	-7.5	0	0
Stage 2-Prescavo	-7.7	0	0
Stage 2-Prescavo	-7.9	0	0
Stage 2-Prescavo	-8.1	0	0
Stage 2-Prescavo	-8.3	0	0
Stage 2-Prescavo	-8.5	0	0
Stage 2-Prescavo	-8.7	0	0
Stage 2-Prescavo	-8.9	0	0
Stage 2-Prescavo	-9.1	0	0
Stage 2-Prescavo	-9.3	0	0
Stage 2-Prescavo	-9.5	0	0
Stage 2-Prescavo	-9.7	0	0
Stage 2-Prescavo	-9.9	0	0
Stage 2-Prescavo	-10.1	0	0
Stage 2-Prescavo	-10.3	0	0
Stage 2-Prescavo	-10.5	0	0
Stage 2-Prescavo	-10.7	0	0
Stage 2-Prescavo	-10.9	0	0
Stage 2-Prescavo	-11.1	0	0
Stage 2-Prescavo	-11.3	0	0
Stage 2-Prescavo	-11.5	0	0
Stage 2-Prescavo	-11.7	0	0
Stage 2-Prescavo	-11.9	0	0
Stage 2-Prescavo	-12.1	0	0
Stage 2-Prescavo	-12.3	0	0
Stage 2-Prescavo	-12.5	0	0
Stage 2-Prescavo	-12.7	0	0
Stage 2-Prescavo	-12.9	0	0
Stage 2-Prescavo	-13.1	0	0
Stage 2-Prescavo	-13.3	0	0

Design Assumption: A2+M2+R1 Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2-Prescavo	-13.5	0	0
Stage 2-Prescavo	-13.7	0	0
Stage 2-Prescavo	-13.9	0	0
Stage 2-Prescavo	-14.1	0	0
Stage 2-Prescavo	-14.3	0	0
Stage 2-Prescavo	-14.5	0	0
Stage 2-Prescavo	-14.7	0	0
Stage 2-Prescavo	-14.9	0	0
Stage 2-Prescavo	-15.1	0	0
Stage 2-Prescavo	-15.3	0	0
Stage 2-Prescavo	-15.5	0	0
Stage 2-Prescavo	-15.7	0	0
Stage 2-Prescavo	-15.9	0	0
Stage 2-Prescavo	-16.1	0	0
Stage 2-Prescavo	-16.3	0	0
Stage 2-Prescavo	-16.5	0	0
Stage 2-Prescavo	-16.7	0	0
Stage 2-Prescavo	-16.9	0	0
Stage 2-Prescavo	-17.1	0	0
Stage 2-Prescavo	-17.3	0	0
Stage 2-Prescavo	-17.5	0	0
Stage 2-Prescavo	-17.7	0	0
Stage 2-Prescavo	-17.9	0	0
Stage 2-Prescavo	-18.1	0	0
Stage 2-Prescavo	-18.3	0	0
Stage 2-Prescavo	-18.5	0	0
Stage 2-Prescavo	-18.7	0	0
Stage 2-Prescavo	-18.9	0	0
Stage 2-Prescavo	-19.1	0	0
Stage 2-Prescavo	-19.3	0	0

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

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-0.1	0	0
Stage 3-Paratia	-0.3	0	0
Stage 3-Paratia	-0.5	0	0
Stage 3-Paratia	-0.7	0	0
Stage 3-Paratia	-0.9	0	0
Stage 3-Paratia	-1.1	0	0
Stage 3-Paratia	-1.3	0	0
Stage 3-Paratia	-1.5	0	0
Stage 3-Paratia	-1.7	0	0
Stage 3-Paratia	-1.9	0	0
Stage 3-Paratia	-2.1	0	0
Stage 3-Paratia	-2.3	0	0
Stage 3-Paratia	-2.5	0	0
Stage 3-Paratia	-2.7	0	0
Stage 3-Paratia	-2.9	0	0
Stage 3-Paratia	-3.1	0	0
Stage 3-Paratia	-3.3	0	0
Stage 3-Paratia	-3.5	0	0
Stage 3-Paratia	-3.7	0	0
Stage 3-Paratia	-3.9	0	0
Stage 3-Paratia	-4.1	0	0
Stage 3-Paratia	-4.3	0	0
Stage 3-Paratia	-4.3	0	0
Stage 3-Paratia	-4.5	0	0
Stage 3-Paratia	-4.5	0	0
Stage 3-Paratia	-4.7	0	0
Stage 3-Paratia	-4.7	0	0
Stage 3-Paratia	-4.9	0	0
Stage 3-Paratia	-4.9	0	0
Stage 3-Paratia	-5.1	0	0
Stage 3-Paratia	-5.1	0	0
Stage 3-Paratia	-5.3	0	0
Stage 3-Paratia	-5.3	0	0
Stage 3-Paratia	-5.5	0	0
Stage 3-Paratia	-5.5	0	0
Stage 3-Paratia	-5.7	0	0
Stage 3-Paratia	-5.7	0	0
Stage 3-Paratia	-5.9	0	0
Stage 3-Paratia	-5.9	0	0
Stage 3-Paratia	-6.1	0	0
Stage 3-Paratia	-6.1	0	0
Stage 3-Paratia	-6.3	0	0
Stage 3-Paratia	-6.3	0	0
Stage 3-Paratia	-6.5	0	0
Stage 3-Paratia	-6.5	0	0
Stage 3-Paratia	-6.7	0	0
Stage 3-Paratia	-6.7	0	0
Stage 3-Paratia	-6.9	0	0
Stage 3-Paratia	-6.9	0	0
Stage 3-Paratia	-7.1	0	0
Stage 3-Paratia	-7.1	0	0
Stage 3-Paratia	-7.3	0	0
Stage 3-Paratia	-7.3	0	0
Stage 3-Paratia	-7.5	0	0
Stage 3-Paratia	-7.5	0	0
Stage 3-Paratia	-7.7	0	0
Stage 3-Paratia	-7.7	0	0
Stage 3-Paratia	-7.9	0	0
Stage 3-Paratia	-7.9	0	0
Stage 3-Paratia	-8.1	0	0
Stage 3-Paratia	-8.1	0	0
Stage 3-Paratia	-8.3	0	0
Stage 3-Paratia	-8.3	0	0
Stage 3-Paratia	-8.5	0	0
Stage 3-Paratia	-8.5	0	0
Stage 3-Paratia	-8.7	0	0
Stage 3-Paratia	-8.7	0	0

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-8.9	0	0
Stage 3-Paratia	-8.9	0	0
Stage 3-Paratia	-9.1	0	0
Stage 3-Paratia	-9.1	0	0
Stage 3-Paratia	-9.3	0	0
Stage 3-Paratia	-9.3	0	0
Stage 3-Paratia	-9.5	0	0
Stage 3-Paratia	-9.5	0	0
Stage 3-Paratia	-9.7	0	0
Stage 3-Paratia	-9.7	0	0
Stage 3-Paratia	-9.9	0	0
Stage 3-Paratia	-9.9	0	0
Stage 3-Paratia	-10.1	0	0
Stage 3-Paratia	-10.1	0	0
Stage 3-Paratia	-10.3	0	0
Stage 3-Paratia	-10.3	0	0
Stage 3-Paratia	-10.5	0	0
Stage 3-Paratia	-10.5	0	0
Stage 3-Paratia	-10.7	0	0
Stage 3-Paratia	-10.7	0	0
Stage 3-Paratia	-10.9	0	0
Stage 3-Paratia	-10.9	0	0
Stage 3-Paratia	-11.1	0	0
Stage 3-Paratia	-11.1	0	0
Stage 3-Paratia	-11.3	0	0
Stage 3-Paratia	-11.3	0	0
Stage 3-Paratia	-11.5	0	0
Stage 3-Paratia	-11.5	0	0
Stage 3-Paratia	-11.7	0	0
Stage 3-Paratia	-11.7	0	0
Stage 3-Paratia	-11.9	0	0
Stage 3-Paratia	-11.9	0	0
Stage 3-Paratia	-12.1	0	0
Stage 3-Paratia	-12.1	0	0
Stage 3-Paratia	-12.3	0	0
Stage 3-Paratia	-12.3	0	0
Stage 3-Paratia	-12.5	0	0
Stage 3-Paratia	-12.5	0	0
Stage 3-Paratia	-12.7	0	0
Stage 3-Paratia	-12.7	0	0
Stage 3-Paratia	-12.9	0	0
Stage 3-Paratia	-12.9	0	0
Stage 3-Paratia	-13.1	0	0
Stage 3-Paratia	-13.1	0	0
Stage 3-Paratia	-13.3	0	0
Stage 3-Paratia	-13.3	0	0
Stage 3-Paratia	-13.5	0	0
Stage 3-Paratia	-13.5	0	0
Stage 3-Paratia	-13.7	0	0
Stage 3-Paratia	-13.7	0	0
Stage 3-Paratia	-13.9	0	0
Stage 3-Paratia	-13.9	0	0
Stage 3-Paratia	-14.1	0	0
Stage 3-Paratia	-14.1	0	0
Stage 3-Paratia	-14.3	0	0
Stage 3-Paratia	-14.3	0	0
Stage 3-Paratia	-14.5	0	0
Stage 3-Paratia	-14.5	0	0
Stage 3-Paratia	-14.7	0	0
Stage 3-Paratia	-14.7	0	0
Stage 3-Paratia	-14.9	0	0
Stage 3-Paratia	-14.9	0	0
Stage 3-Paratia	-15.1	0	0
Stage 3-Paratia	-15.1	0	0
Stage 3-Paratia	-15.3	0	0
Stage 3-Paratia	-15.3	0	0
Stage 3-Paratia	-15.5	0	0
Stage 3-Paratia	-15.5	0	0
Stage 3-Paratia	-15.7	0	0
Stage 3-Paratia	-15.7	0	0
Stage 3-Paratia	-15.9	0	0

Design Assumption: A2+M2+R1 Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-15.9	0	0
Stage 3-Paratia	-16.1	0	0
Stage 3-Paratia	-16.1	0	0
Stage 3-Paratia	-16.3	0	0
Stage 3-Paratia	-16.3	0	0
Stage 3-Paratia	-16.5	0	0
Stage 3-Paratia	-16.5	0	0
Stage 3-Paratia	-16.7	0	0
Stage 3-Paratia	-16.7	0	0
Stage 3-Paratia	-16.9	0	0
Stage 3-Paratia	-16.9	0	0
Stage 3-Paratia	-17.1	0	0
Stage 3-Paratia	-17.1	0	0
Stage 3-Paratia	-17.3	0	0
Stage 3-Paratia	-17.3	0	0
Stage 3-Paratia	-17.5	0	0
Stage 3-Paratia	-17.5	0	0
Stage 3-Paratia	-17.7	0	0
Stage 3-Paratia	-17.7	0	0
Stage 3-Paratia	-17.9	0	0
Stage 3-Paratia	-17.9	0	0
Stage 3-Paratia	-18.1	0	0
Stage 3-Paratia	-18.1	0	0
Stage 3-Paratia	-18.3	0	0
Stage 3-Paratia	-18.3	0	0
Stage 3-Paratia	-18.5	0	0
Stage 3-Paratia	-18.5	0	0
Stage 3-Paratia	-18.7	0	0
Stage 3-Paratia	-18.7	0	0
Stage 3-Paratia	-18.9	0	0
Stage 3-Paratia	-18.9	0	0
Stage 3-Paratia	-19.1	0	0
Stage 3-Paratia	-19.1	0	0
Stage 3-Paratia	-19.3	0	0

6.3.4. Tabella Risultati Paratia A2+M2+R1 - Left Wall - Stage: Stage 4-Scavo H=2m

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=2m	-0.1	0	0
Stage 4-Scavo H=2m	-0.3	0	0
Stage 4-Scavo H=2m	-0.3	0	0
Stage 4-Scavo H=2m	-0.5	0	0
Stage 4-Scavo H=2m	-0.5	0	0
Stage 4-Scavo H=2m	-0.7	0	0
Stage 4-Scavo H=2m	-0.7	0	0
Stage 4-Scavo H=2m	-0.9	0	0
Stage 4-Scavo H=2m	-0.9	0	0
Stage 4-Scavo H=2m	-1.1	0	0
Stage 4-Scavo H=2m	-1.1	0	0
Stage 4-Scavo H=2m	-1.3	0	-0.01
Stage 4-Scavo H=2m	-1.5	-0.09	-0.46
Stage 4-Scavo H=2m	-1.7	-0.36	-1.35
Stage 4-Scavo H=2m	-1.9	-0.9	-2.68
Stage 4-Scavo H=2m	-2.1	-1.79	-4.45
Stage 4-Scavo H=2m	-2.3	-3.12	-6.67
Stage 4-Scavo H=2m	-2.5	-4.42	-6.51
Stage 4-Scavo H=2m	-2.7	-5.67	-6.23
Stage 4-Scavo H=2m	-2.9	-6.85	-5.93
Stage 4-Scavo H=2m	-3.1	-7.98	-5.64
Stage 4-Scavo H=2m	-3.3	-9.06	-5.41
Stage 4-Scavo H=2m	-3.5	-10.11	-5.23
Stage 4-Scavo H=2m	-3.7	-11.13	-5.12
Stage 4-Scavo H=2m	-3.9	-12.15	-5.08
Stage 4-Scavo H=2m	-4.1	-13.17	-5.13
Stage 4-Scavo H=2m	-4.3	-14.23	-5.26
Stage 4-Scavo H=2m	-4.5	-15.32	-5.47
Stage 4-Scavo H=2m	-4.7	-16.47	-5.76
Stage 4-Scavo H=2m	-4.9	-17.7	-6.14
Stage 4-Scavo H=2m	-5.1	-19.02	-6.62
Stage 4-Scavo H=2m	-5.3	-20.46	-7.18
Stage 4-Scavo H=2m	-5.5	-22.03	-7.83
Stage 4-Scavo H=2m	-5.7	-23.32	-6.46
Stage 4-Scavo H=2m	-5.9	-24.35	-5.17
Stage 4-Scavo H=2m	-6.1	-25.15	-3.97
Stage 4-Scavo H=2m	-6.3	-25.71	-2.84
Stage 4-Scavo H=2m	-6.5	-26.07	-1.78
Stage 4-Scavo H=2m	-6.7	-26.23	-0.79
Stage 4-Scavo H=2m	-6.9	-26.2	0.14
Stage 4-Scavo H=2m	-7.1	-25.99	1.01
Stage 4-Scavo H=2m	-7.3	-25.63	1.83
Stage 4-Scavo H=2m	-7.5	-25.11	2.59
Stage 4-Scavo H=2m	-7.7	-24.45	3.31
Stage 4-Scavo H=2m	-7.9	-23.65	4
Stage 4-Scavo H=2m	-8.1	-22.74	4.57
Stage 4-Scavo H=2m	-8.3	-21.73	5.01
Stage 4-Scavo H=2m	-8.5	-20.66	5.35
Stage 4-Scavo H=2m	-8.7	-19.55	5.59
Stage 4-Scavo H=2m	-8.9	-18.4	5.74
Stage 4-Scavo H=2m	-9.1	-17.23	5.82
Stage 4-Scavo H=2m	-9.3	-16.07	5.83
Stage 4-Scavo H=2m	-9.5	-14.91	5.78
Stage 4-Scavo H=2m	-9.7	-13.77	5.68
Stage 4-Scavo H=2m	-9.9	-12.66	5.54
Stage 4-Scavo H=2m	-10.1	-11.59	5.36
Stage 4-Scavo H=2m	-10.3	-10.56	5.15
Stage 4-Scavo H=2m	-10.5	-9.58	4.92
Stage 4-Scavo H=2m	-10.7	-8.65	4.66
Stage 4-Scavo H=2m	-10.9	-7.77	4.39
Stage 4-Scavo H=2m	-11.1	-6.95	4.11
Stage 4-Scavo H=2m	-11.3	-6.18	3.82
Stage 4-Scavo H=2m	-11.5	-5.47	3.53
Stage 4-Scavo H=2m	-11.7	-4.83	3.24
Stage 4-Scavo H=2m	-11.9	-4.23	2.96
Stage 4-Scavo H=2m	-12.1	-3.7	2.67
Stage 4-Scavo H=2m	-12.3	-3.22	2.4

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=2m	-12.5	-2.8	2.13
Stage 4-Scavo H=2m	-12.7	-2.42	1.87
Stage 4-Scavo H=2m	-12.9	-2.1	1.62
Stage 4-Scavo H=2m	-13.1	-1.82	1.39
Stage 4-Scavo H=2m	-13.3	-1.59	1.17
Stage 4-Scavo H=2m	-13.5	-1.39	0.96
Stage 4-Scavo H=2m	-13.7	-1.24	0.77
Stage 4-Scavo H=2m	-13.9	-1.12	0.6
Stage 4-Scavo H=2m	-14.1	-1.03	0.44
Stage 4-Scavo H=2m	-14.3	-0.97	0.3
Stage 4-Scavo H=2m	-14.5	-0.93	0.18
Stage 4-Scavo H=2m	-14.7	-0.92	0.07
Stage 4-Scavo H=2m	-14.9	-0.92	-0.01
Stage 4-Scavo H=2m	-15.1	-0.94	-0.08
Stage 4-Scavo H=2m	-15.3	-0.96	-0.13
Stage 4-Scavo H=2m	-15.5	-0.99	-0.16
Stage 4-Scavo H=2m	-15.7	-1.03	-0.16
Stage 4-Scavo H=2m	-15.9	-1.06	-0.15
Stage 4-Scavo H=2m	-16.1	-1.08	-0.12
Stage 4-Scavo H=2m	-16.3	-1.09	-0.06
Stage 4-Scavo H=2m	-16.5	-1.09	0.02
Stage 4-Scavo H=2m	-16.7	-1.06	0.12
Stage 4-Scavo H=2m	-16.9	-1.02	0.24
Stage 4-Scavo H=2m	-17.1	-0.94	0.39
Stage 4-Scavo H=2m	-17.3	-0.83	0.56
Stage 4-Scavo H=2m	-17.5	-0.68	0.76
Stage 4-Scavo H=2m	-17.7	-0.48	0.98
Stage 4-Scavo H=2m	-17.9	-0.33	0.77
Stage 4-Scavo H=2m	-18.1	-0.21	0.59
Stage 4-Scavo H=2m	-18.3	-0.12	0.43
Stage 4-Scavo H=2m	-18.5	-0.07	0.29
Stage 4-Scavo H=2m	-18.7	-0.03	0.18
Stage 4-Scavo H=2m	-18.9	-0.01	0.1
Stage 4-Scavo H=2m	-19.1	0	0.04
Stage 4-Scavo H=2m	-19.3	0	0

6.3.5. Tabella Risultati Paratia A2+M2+R1 - Left Wall - Stage: Stage 5-Scavo H=4m

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=4m	-0.1	0	0
Stage 5-Scavo H=4m	-0.3	0	0
Stage 5-Scavo H=4m	-0.3	0	0
Stage 5-Scavo H=4m	-0.5	0	0
Stage 5-Scavo H=4m	-0.5	0	0
Stage 5-Scavo H=4m	-0.7	0	0
Stage 5-Scavo H=4m	-0.7	0	0
Stage 5-Scavo H=4m	-0.9	0	0
Stage 5-Scavo H=4m	-0.9	0	0
Stage 5-Scavo H=4m	-1.1	0	0
Stage 5-Scavo H=4m	-1.1	0	0
Stage 5-Scavo H=4m	-1.3	0	0
Stage 5-Scavo H=4m	-1.3	0	0
Stage 5-Scavo H=4m	-1.5	0	0
Stage 5-Scavo H=4m	-1.5	0	0
Stage 5-Scavo H=4m	-1.7	-0.06	-0.32
Stage 5-Scavo H=4m	-1.9	-0.26	-1
Stage 5-Scavo H=4m	-2.1	-0.67	-2.04
Stage 5-Scavo H=4m	-2.3	-1.36	-3.44
Stage 5-Scavo H=4m	-2.5	-2.4	-5.2
Stage 5-Scavo H=4m	-2.7	-3.86	-7.31
Stage 5-Scavo H=4m	-2.9	-5.82	-9.79
Stage 5-Scavo H=4m	-3.1	-8.35	-12.64
Stage 5-Scavo H=4m	-3.3	-11.51	-15.84
Stage 5-Scavo H=4m	-3.5	-15.39	-19.4
Stage 5-Scavo H=4m	-3.7	-20.06	-23.32
Stage 5-Scavo H=4m	-3.9	-25.58	-27.6
Stage 5-Scavo H=4m	-4.1	-32.02	-32.24
Stage 5-Scavo H=4m	-4.3	-39.47	-37.24
Stage 5-Scavo H=4m	-4.5	-46.94	-37.32
Stage 5-Scavo H=4m	-4.7	-54.21	-36.35
Stage 5-Scavo H=4m	-4.9	-61.29	-35.42
Stage 5-Scavo H=4m	-5.1	-68.23	-34.69
Stage 5-Scavo H=4m	-5.3	-75.07	-34.19
Stage 5-Scavo H=4m	-5.5	-81.85	-33.9
Stage 5-Scavo H=4m	-5.7	-87.76	-29.54
Stage 5-Scavo H=4m	-5.9	-92.8	-25.23
Stage 5-Scavo H=4m	-6.1	-97.04	-21.19
Stage 5-Scavo H=4m	-6.3	-100.52	-17.4
Stage 5-Scavo H=4m	-6.5	-103.29	-13.86
Stage 5-Scavo H=4m	-6.7	-105.4	-10.56
Stage 5-Scavo H=4m	-6.9	-106.9	-7.49
Stage 5-Scavo H=4m	-7.1	-107.83	-4.65
Stage 5-Scavo H=4m	-7.3	-108.23	-2.01
Stage 5-Scavo H=4m	-7.5	-108.15	0.43
Stage 5-Scavo H=4m	-7.7	-107.61	2.68
Stage 5-Scavo H=4m	-7.9	-106.66	4.75
Stage 5-Scavo H=4m	-8.1	-105.33	6.66
Stage 5-Scavo H=4m	-8.3	-103.65	8.4
Stage 5-Scavo H=4m	-8.5	-101.65	10
Stage 5-Scavo H=4m	-8.7	-99.35	11.46
Stage 5-Scavo H=4m	-8.9	-96.8	12.79
Stage 5-Scavo H=4m	-9.1	-93.99	14.01
Stage 5-Scavo H=4m	-9.3	-90.97	15.11
Stage 5-Scavo H=4m	-9.5	-87.75	16.12
Stage 5-Scavo H=4m	-9.7	-84.34	17.03
Stage 5-Scavo H=4m	-9.9	-80.77	17.86
Stage 5-Scavo H=4m	-10.1	-77.05	18.62
Stage 5-Scavo H=4m	-10.3	-73.22	19.16
Stage 5-Scavo H=4m	-10.5	-69.32	19.5
Stage 5-Scavo H=4m	-10.7	-65.38	19.66
Stage 5-Scavo H=4m	-10.9	-61.45	19.67
Stage 5-Scavo H=4m	-11.1	-57.54	19.54
Stage 5-Scavo H=4m	-11.3	-53.69	19.28
Stage 5-Scavo H=4m	-11.5	-49.9	18.92
Stage 5-Scavo H=4m	-11.7	-46.21	18.47
Stage 5-Scavo H=4m	-11.9	-42.62	17.94

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=4m	-12.1	-39.15	17.35
Stage 5-Scavo H=4m	-12.3	-35.81	16.69
Stage 5-Scavo H=4m	-12.5	-32.61	16
Stage 5-Scavo H=4m	-12.7	-29.56	15.27
Stage 5-Scavo H=4m	-12.9	-26.65	14.51
Stage 5-Scavo H=4m	-13.1	-23.91	13.74
Stage 5-Scavo H=4m	-13.3	-21.31	12.95
Stage 5-Scavo H=4m	-13.5	-18.88	12.16
Stage 5-Scavo H=4m	-13.7	-16.61	11.37
Stage 5-Scavo H=4m	-13.9	-14.49	10.59
Stage 5-Scavo H=4m	-14.1	-12.53	9.81
Stage 5-Scavo H=4m	-14.3	-10.72	9.04
Stage 5-Scavo H=4m	-14.5	-9.06	8.29
Stage 5-Scavo H=4m	-14.7	-7.55	7.55
Stage 5-Scavo H=4m	-14.9	-6.19	6.83
Stage 5-Scavo H=4m	-15.1	-4.96	6.13
Stage 5-Scavo H=4m	-15.3	-3.87	5.45
Stage 5-Scavo H=4m	-15.5	-2.91	4.8
Stage 5-Scavo H=4m	-15.7	-2.08	4.18
Stage 5-Scavo H=4m	-15.9	-1.36	3.58
Stage 5-Scavo H=4m	-16.1	-0.76	3.01
Stage 5-Scavo H=4m	-16.3	-0.26	2.47
Stage 5-Scavo H=4m	-16.5	0.13	1.96
Stage 5-Scavo H=4m	-16.7	0.42	1.47
Stage 5-Scavo H=4m	-16.9	0.63	1.02
Stage 5-Scavo H=4m	-17.1	0.75	0.6
Stage 5-Scavo H=4m	-17.3	0.79	0.21
Stage 5-Scavo H=4m	-17.5	0.76	-0.16
Stage 5-Scavo H=4m	-17.7	0.66	-0.49
Stage 5-Scavo H=4m	-17.9	0.55	-0.54
Stage 5-Scavo H=4m	-18.1	0.44	-0.56
Stage 5-Scavo H=4m	-18.3	0.33	-0.55
Stage 5-Scavo H=4m	-18.5	0.23	-0.51
Stage 5-Scavo H=4m	-18.7	0.14	-0.45
Stage 5-Scavo H=4m	-18.9	0.06	-0.36
Stage 5-Scavo H=4m	-19.1	0.02	-0.24
Stage 5-Scavo H=4m	-19.3	0	-0.09

6.3.6. Tabella Risultati Paratia A2+M2+R1 - Left Wall - Stage: Stage 6-Scavo H=6.5m

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=6.5m	-0.1	0	0
Stage 6-Scavo H=6.5m	-0.3	0	0
Stage 6-Scavo H=6.5m	-0.3	0	0
Stage 6-Scavo H=6.5m	-0.5	0	0
Stage 6-Scavo H=6.5m	-0.5	0	0
Stage 6-Scavo H=6.5m	-0.7	0	0
Stage 6-Scavo H=6.5m	-0.7	0	0
Stage 6-Scavo H=6.5m	-0.9	0	0
Stage 6-Scavo H=6.5m	-0.9	0	0
Stage 6-Scavo H=6.5m	-1.1	0	0
Stage 6-Scavo H=6.5m	-1.1	0	0
Stage 6-Scavo H=6.5m	-1.3	0	0
Stage 6-Scavo H=6.5m	-1.3	0	0
Stage 6-Scavo H=6.5m	-1.5	0	0
Stage 6-Scavo H=6.5m	-1.5	0	0
Stage 6-Scavo H=6.5m	-1.7	-0.06	-0.32
Stage 6-Scavo H=6.5m	-1.9	-0.26	-1
Stage 6-Scavo H=6.5m	-2.1	-0.67	-2.04
Stage 6-Scavo H=6.5m	-2.3	-1.36	-3.44
Stage 6-Scavo H=6.5m	-2.5	-2.4	-5.2
Stage 6-Scavo H=6.5m	-2.7	-3.86	-7.31
Stage 6-Scavo H=6.5m	-2.9	-5.82	-9.79
Stage 6-Scavo H=6.5m	-3.1	-8.35	-12.64
Stage 6-Scavo H=6.5m	-3.3	-11.51	-15.84
Stage 6-Scavo H=6.5m	-3.5	-15.39	-19.4
Stage 6-Scavo H=6.5m	-3.7	-20.06	-23.32
Stage 6-Scavo H=6.5m	-3.9	-25.58	-27.6
Stage 6-Scavo H=6.5m	-4.1	-32.02	-32.24
Stage 6-Scavo H=6.5m	-4.3	-39.47	-37.24
Stage 6-Scavo H=6.5m	-4.5	-47.99	-42.6
Stage 6-Scavo H=6.5m	-4.7	-57.66	-48.33
Stage 6-Scavo H=6.5m	-4.9	-68.54	-54.41
Stage 6-Scavo H=6.5m	-5.1	-80.71	-60.85
Stage 6-Scavo H=6.5m	-5.3	-94.24	-67.65
Stage 6-Scavo H=6.5m	-5.5	-109.2	-74.82
Stage 6-Scavo H=6.5m	-5.7	-126.31	-85.53
Stage 6-Scavo H=6.5m	-5.9	-145.66	-96.75
Stage 6-Scavo H=6.5m	-6.1	-167.36	-108.5
Stage 6-Scavo H=6.5m	-6.3	-191.51	-120.76
Stage 6-Scavo H=6.5m	-6.5	-218.22	-133.53
Stage 6-Scavo H=6.5m	-6.7	-247.58	-146.83
Stage 6-Scavo H=6.5m	-6.9	-278.44	-154.3
Stage 6-Scavo H=6.5m	-7.1	-310.49	-160.22
Stage 6-Scavo H=6.5m	-7.3	-343.42	-164.65
Stage 6-Scavo H=6.5m	-7.5	-377.06	-168.24
Stage 6-Scavo H=6.5m	-7.7	-411.26	-171
Stage 6-Scavo H=6.5m	-7.9	-445.85	-172.92
Stage 6-Scavo H=6.5m	-8.1	-480.65	-174
Stage 6-Scavo H=6.5m	-8.3	-515.5	-174.25
Stage 6-Scavo H=6.5m	-8.5	-550.23	-173.67
Stage 6-Scavo H=6.5m	-8.7	-584.68	-172.24
Stage 6-Scavo H=6.5m	-8.9	-618.68	-169.99
Stage 6-Scavo H=6.5m	-9.1	-652.06	-166.89
Stage 6-Scavo H=6.5m	-9.3	-684.65	-162.96
Stage 6-Scavo H=6.5m	-9.5	-716.29	-158.2
Stage 6-Scavo H=6.5m	-9.7	-746.81	-152.6
Stage 6-Scavo H=6.5m	-9.9	-776.04	-146.16
Stage 6-Scavo H=6.5m	-10.1	-803.82	-138.89
Stage 6-Scavo H=6.5m	-10.3	-829.98	-130.79
Stage 6-Scavo H=6.5m	-10.5	-854.35	-121.84
Stage 6-Scavo H=6.5m	-10.7	-876.76	-112.07
Stage 6-Scavo H=6.5m	-10.9	-897.05	-101.45
Stage 6-Scavo H=6.5m	-11.1	-915.05	-90
Stage 6-Scavo H=6.5m	-11.3	-930.59	-77.72
Stage 6-Scavo H=6.5m	-11.5	-943.51	-64.6
Stage 6-Scavo H=6.5m	-11.7	-953.64	-50.64
Stage 6-Scavo H=6.5m	-11.9	-960.81	-35.85

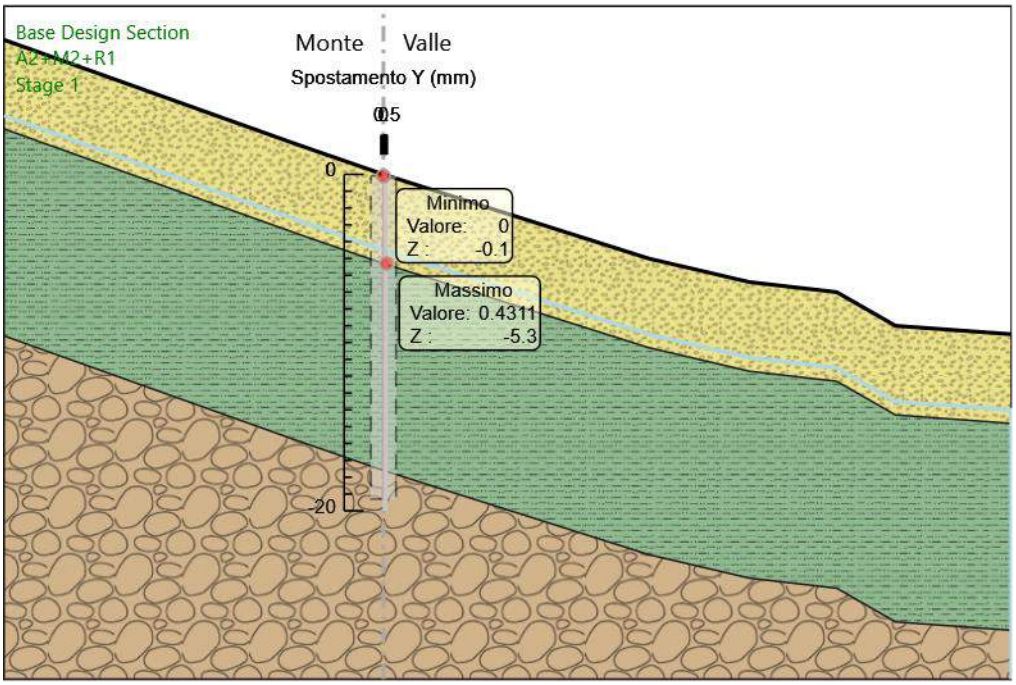
Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 6-Scavo H=6.5m	-12.1	-964.86	-20.22
Stage 6-Scavo H=6.5m	-12.3	-965.61	-3.76
Stage 6-Scavo H=6.5m	-12.5	-962.9	13.54
Stage 6-Scavo H=6.5m	-12.7	-956.56	31.67
Stage 6-Scavo H=6.5m	-12.9	-946.44	50.64
Stage 6-Scavo H=6.5m	-13.1	-932.54	69.49
Stage 6-Scavo H=6.5m	-13.3	-915.16	86.88
Stage 6-Scavo H=6.5m	-13.5	-894.59	102.86
Stage 6-Scavo H=6.5m	-13.7	-871.1	117.47
Stage 6-Scavo H=6.5m	-13.9	-844.94	130.77
Stage 6-Scavo H=6.5m	-14.1	-816.38	142.8
Stage 6-Scavo H=6.5m	-14.3	-785.66	153.6
Stage 6-Scavo H=6.5m	-14.5	-753.02	163.22
Stage 6-Scavo H=6.5m	-14.7	-718.68	171.69
Stage 6-Scavo H=6.5m	-14.9	-682.87	179.06
Stage 6-Scavo H=6.5m	-15.1	-645.8	185.36
Stage 6-Scavo H=6.5m	-15.3	-607.67	190.64
Stage 6-Scavo H=6.5m	-15.5	-568.69	194.91
Stage 6-Scavo H=6.5m	-15.7	-529.04	198.22
Stage 6-Scavo H=6.5m	-15.9	-488.93	200.59
Stage 6-Scavo H=6.5m	-16.1	-448.52	202.05
Stage 6-Scavo H=6.5m	-16.3	-407.99	202.63
Stage 6-Scavo H=6.5m	-16.5	-367.52	202.34
Stage 6-Scavo H=6.5m	-16.7	-327.28	201.22
Stage 6-Scavo H=6.5m	-16.9	-287.42	199.28
Stage 6-Scavo H=6.5m	-17.1	-248.4	195.11
Stage 6-Scavo H=6.5m	-17.3	-210.82	187.91
Stage 6-Scavo H=6.5m	-17.5	-175.41	177.03
Stage 6-Scavo H=6.5m	-17.7	-142.86	162.73
Stage 6-Scavo H=6.5m	-17.9	-112.65	151.05
Stage 6-Scavo H=6.5m	-18.1	-85.18	137.36
Stage 6-Scavo H=6.5m	-18.3	-60.85	121.68
Stage 6-Scavo H=6.5m	-18.5	-40.04	104.03
Stage 6-Scavo H=6.5m	-18.7	-23.16	84.4
Stage 6-Scavo H=6.5m	-18.9	-10.6	62.81
Stage 6-Scavo H=6.5m	-19.1	-2.75	39.25
Stage 6-Scavo H=6.5m	-19.3	0	13.74

6.3.7. Tabella Risultati Paratia A2+M2+R1 - Left Wall - Stage: Sismica

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sismica	-0.1	0	0
Sismica	-0.3	0	0
Sismica	-0.3	0	0
Sismica	-0.5	0	0
Sismica	-0.5	0	0
Sismica	-0.7	0	0
Sismica	-0.7	0	0
Sismica	-0.9	0	0
Sismica	-0.9	0	0
Sismica	-1.1	0	0
Sismica	-1.1	0	0
Sismica	-1.3	0	0
Sismica	-1.3	0	0
Sismica	-1.5	0	0
Sismica	-1.5	0	0
Sismica	-1.7	-0.06	-0.32
Sismica	-1.9	-0.26	-1
Sismica	-2.1	-0.67	-2.04
Sismica	-2.3	-1.36	-3.44
Sismica	-2.5	-2.4	-5.19
Sismica	-2.7	-3.86	-7.31
Sismica	-2.9	-5.82	-9.79
Sismica	-3.1	-8.34	-12.63
Sismica	-3.3	-11.51	-15.83
Sismica	-3.5	-15.39	-19.4
Sismica	-3.7	-20.05	-23.32
Sismica	-3.9	-25.57	-27.6
Sismica	-4.1	-32.02	-32.24
Sismica	-4.3	-39.47	-37.24
Sismica	-4.5	-47.99	-42.6
Sismica	-4.7	-57.65	-48.32
Sismica	-4.9	-68.54	-54.41
Sismica	-5.1	-80.7	-60.85
Sismica	-5.3	-94.24	-67.65
Sismica	-5.5	-109.2	-74.82
Sismica	-5.7	-126.3	-85.52
Sismica	-5.9	-145.65	-96.75
Sismica	-6.1	-167.35	-108.49
Sismica	-6.3	-191.5	-120.76
Sismica	-6.5	-218.21	-133.53
Sismica	-6.7	-247.58	-146.83
Sismica	-6.9	-278.44	-154.3
Sismica	-7.1	-310.48	-160.22
Sismica	-7.3	-343.41	-164.65
Sismica	-7.5	-377.06	-168.24
Sismica	-7.7	-411.26	-171
Sismica	-7.9	-445.84	-172.92
Sismica	-8.1	-480.64	-174
Sismica	-8.3	-515.49	-174.25
Sismica	-8.5	-550.22	-173.66
Sismica	-8.7	-584.67	-172.24
Sismica	-8.9	-618.67	-169.98
Sismica	-9.1	-652.05	-166.89
Sismica	-9.3	-684.64	-162.96
Sismica	-9.5	-716.28	-158.2
Sismica	-9.7	-746.8	-152.6
Sismica	-9.9	-776.03	-146.16
Sismica	-10.1	-803.81	-138.89
Sismica	-10.3	-829.96	-130.78
Sismica	-10.5	-854.33	-121.84
Sismica	-10.7	-876.75	-112.06
Sismica	-10.9	-897.04	-101.45
Sismica	-11.1	-915.04	-90
Sismica	-11.3	-930.58	-77.72
Sismica	-11.5	-943.5	-64.6
Sismica	-11.7	-953.63	-50.64
Sismica	-11.9	-960.8	-35.85

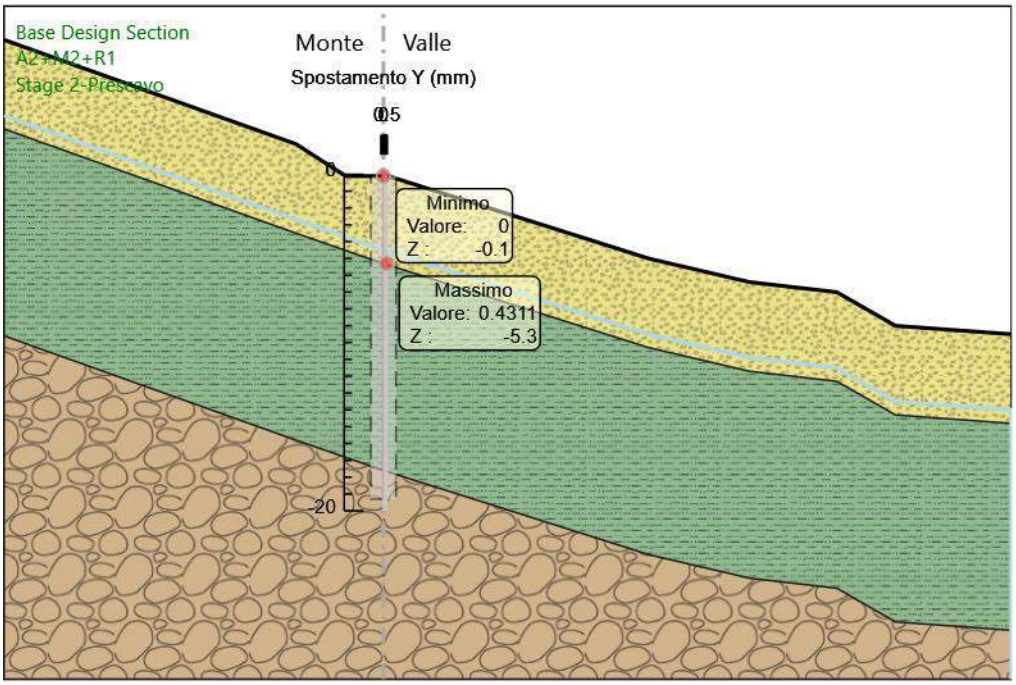
Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Sismica	-12.1	-964.84	-20.22
Sismica	-12.3	-965.59	-3.76
Sismica	-12.5	-962.88	13.54
Sismica	-12.7	-956.55	31.68
Sismica	-12.9	-946.42	50.65
Sismica	-13.1	-932.52	69.49
Sismica	-13.3	-915.14	86.88
Sismica	-13.5	-894.57	102.86
Sismica	-13.7	-871.08	117.47
Sismica	-13.9	-844.92	130.77
Sismica	-14.1	-816.36	142.8
Sismica	-14.3	-785.64	153.6
Sismica	-14.5	-753	163.22
Sismica	-14.7	-718.66	171.69
Sismica	-14.9	-682.85	179.06
Sismica	-15.1	-645.77	185.37
Sismica	-15.3	-607.65	190.64
Sismica	-15.5	-568.66	194.91
Sismica	-15.7	-529.02	198.22
Sismica	-15.9	-488.9	200.59
Sismica	-16.1	-448.49	202.05
Sismica	-16.3	-407.97	202.63
Sismica	-16.5	-367.5	202.34
Sismica	-16.7	-327.26	201.21
Sismica	-16.9	-287.4	199.27
Sismica	-17.1	-248.38	195.1
Sismica	-17.3	-210.8	187.9
Sismica	-17.5	-175.4	177.01
Sismica	-17.7	-142.86	162.71
Sismica	-17.9	-112.65	151.04
Sismica	-18.1	-85.18	137.35
Sismica	-18.3	-60.84	121.68
Sismica	-18.5	-40.04	104.02
Sismica	-18.7	-23.16	84.4
Sismica	-18.9	-10.6	62.81
Sismica	-19.1	-2.75	39.25
Sismica	-19.3	0	13.74

6.3.8. Grafico Spostamento A2+M2+R1 - Stage: Stage 1



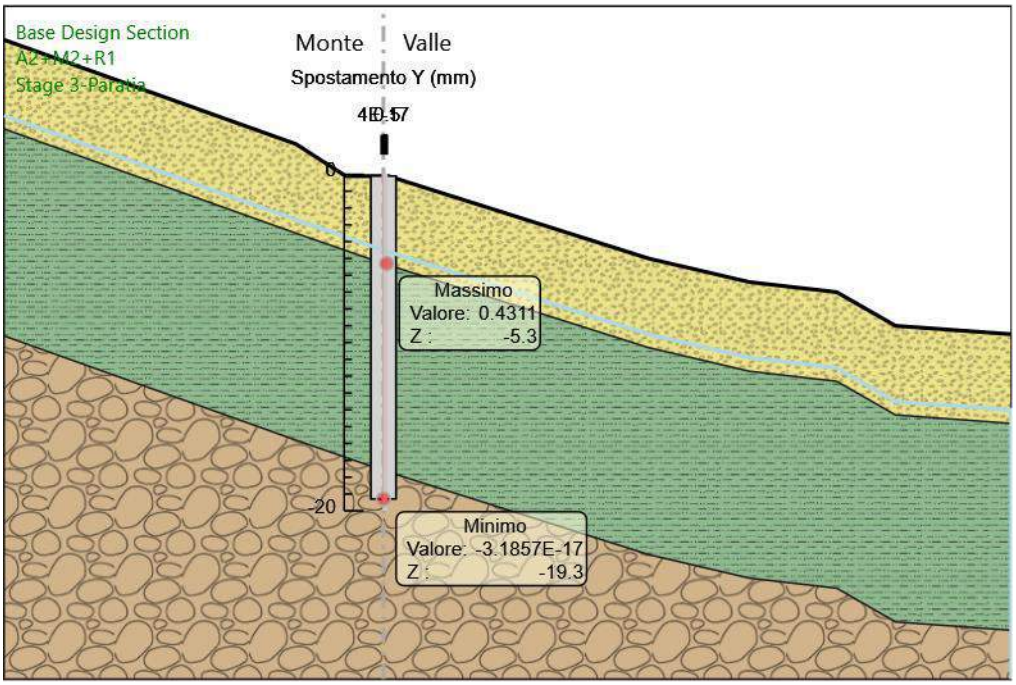
Design Assumption: A2+M2+R1
Stage: Stage 1
Spostamento orizzontale

6.3.9. Grafico Spostamento A2+M2+R1 - Stage: Stage 2-Prescavo



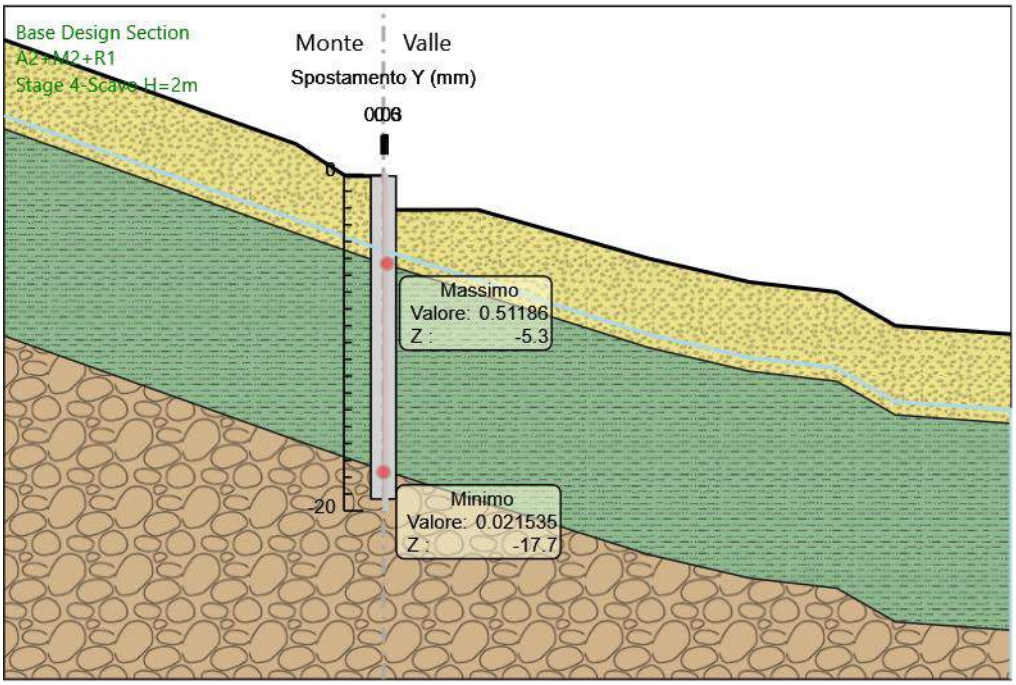
Design Assumption: A2+M2+R1
Stage: Stage 2-Prescavo
Spostamento orizzontale

6.3.10. Grafico Spostamento A2+M2+R1 - Stage: Stage 3-Paratia



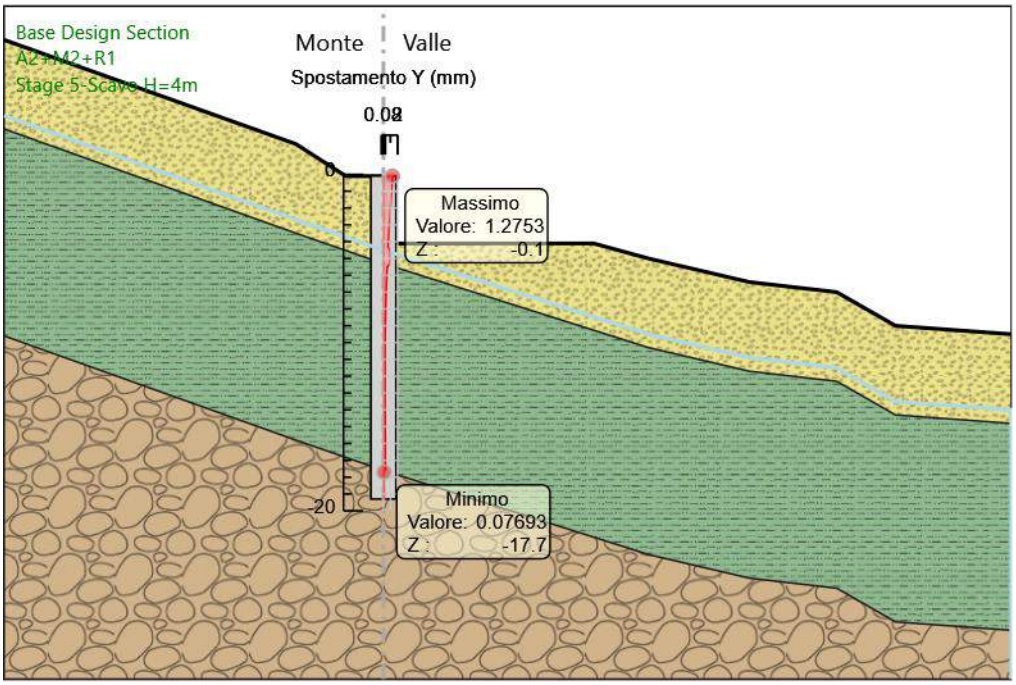
Design Assumption: A2+M2+R1
Stage: Stage 3-Paratia
Spostamento orizzontale

6.3.11. Grafico Spostamento A2+M2+R1 - Stage: Stage 4-Scavo H=2m



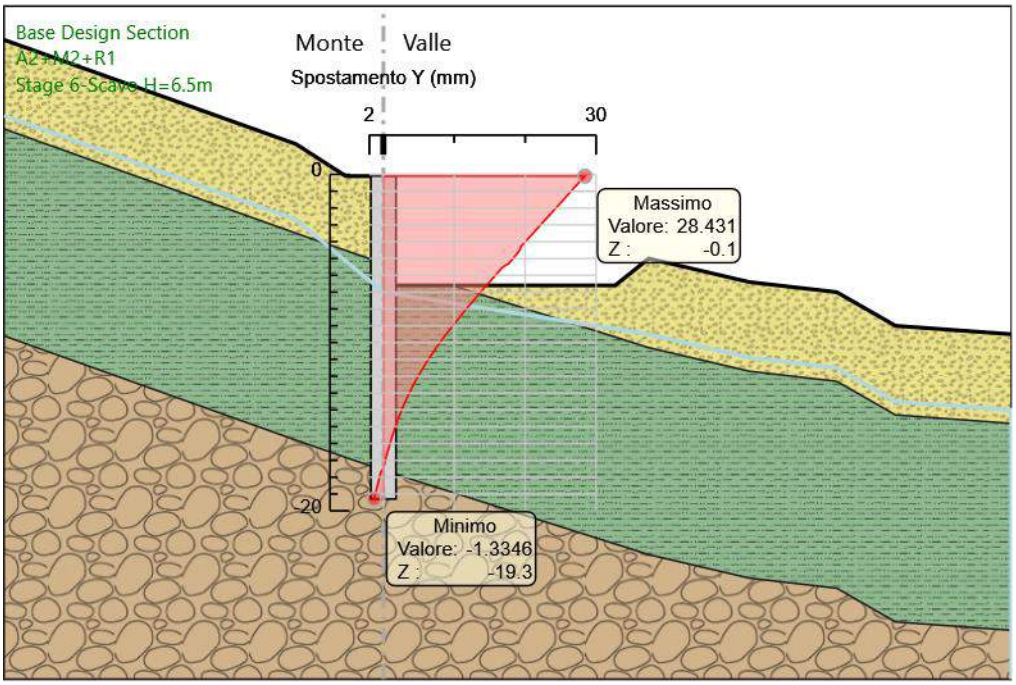
Design Assumption: A2+M2+R1
Stage: Stage 4-Scavo H=2m
Spostamento orizzontale

6.3.12. Grafico Spostamento A2+M2+R1 - Stage: Stage 5-Scavo H=4m



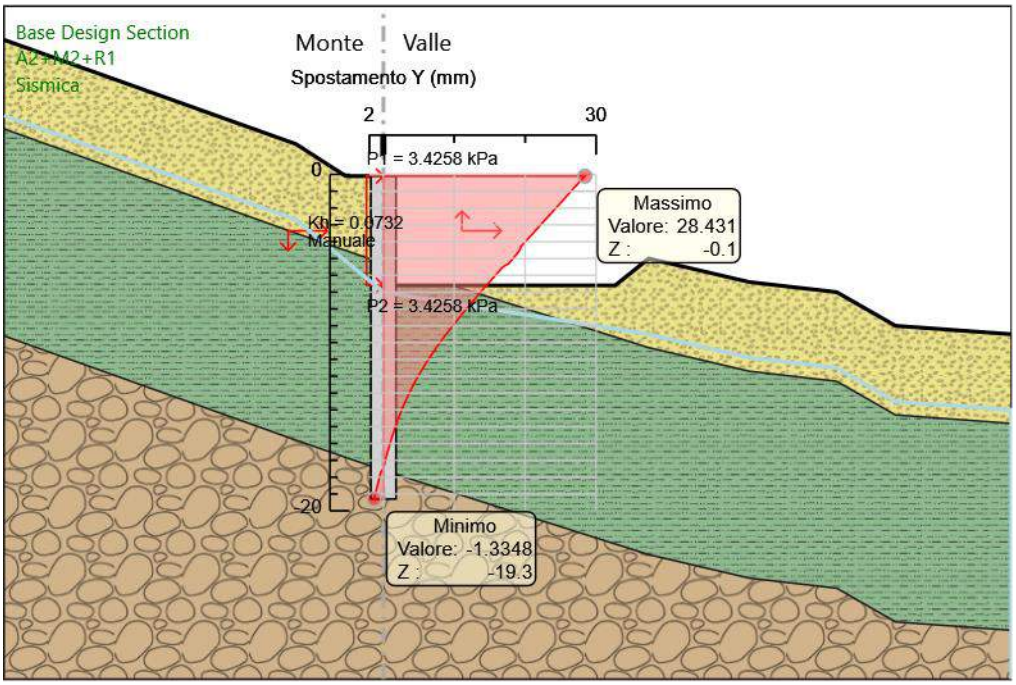
Design Assumption: A2+M2+R1
Stage: Stage 5-Scavo H=4m
Spostamento orizzontale

6.3.13. Grafico Spostamento A2+M2+R1 - Stage: Stage 6-Scavo H=6.5m



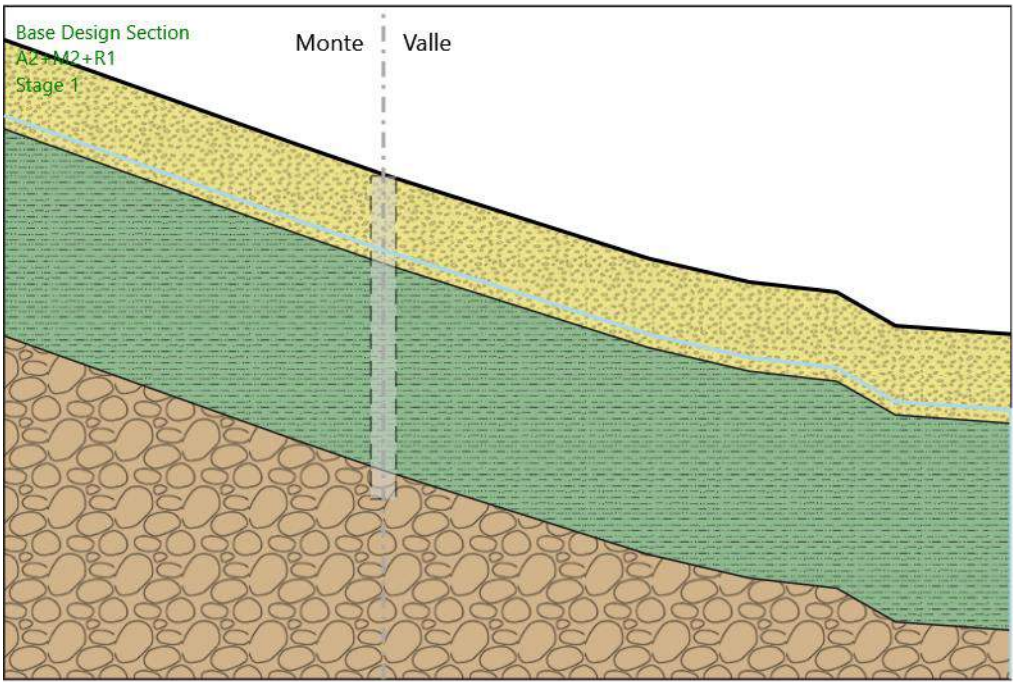
Design Assumption: A2+M2+R1
Stage: Stage 6-Scavo H=6.5m
Spostamento orizzontale

6.3.14. Grafico Spostamento A2+M2+R1 - Stage: Sismica



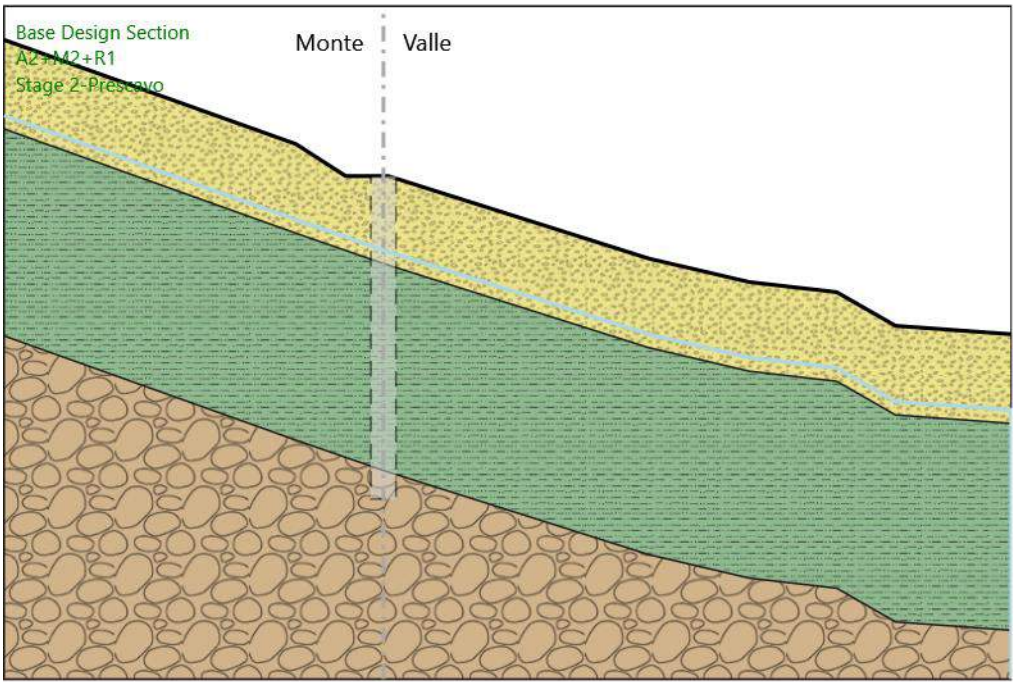
Design Assumption: A2+M2+R1
Stage: Sismica
Spostamento orizzontale

6.3.15. Grafico Risultati Momento A2+M2+R1 - Stage: Stage 1



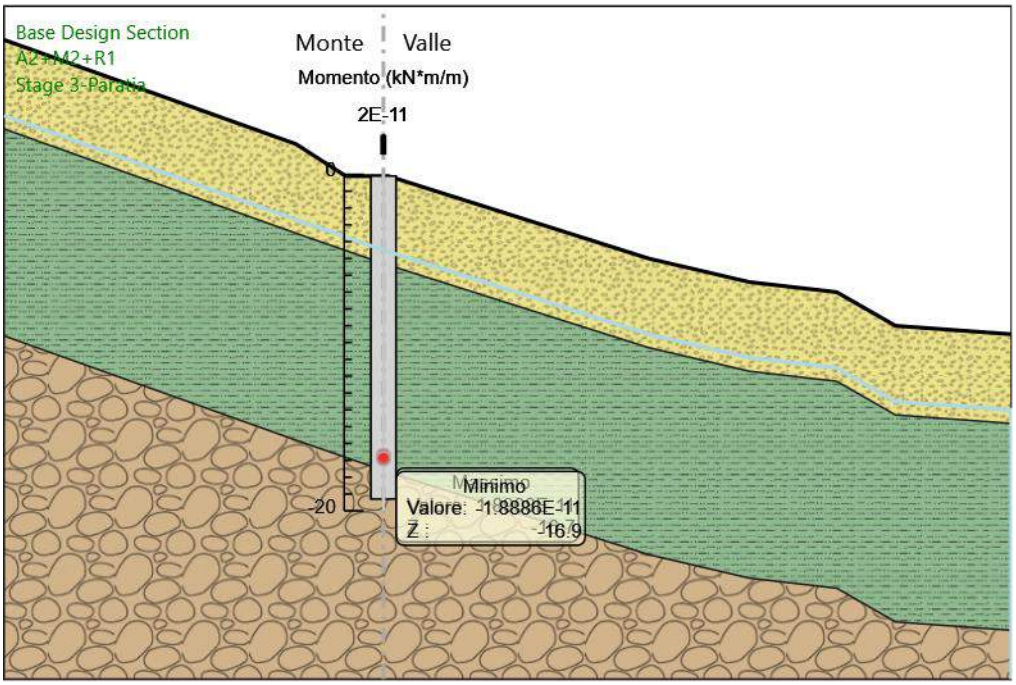
Design Assumption: A2+M2+R1
Stage: Stage 1
Momento

6.3.16. Grafico Risultati Momento A2+M2+R1 - Stage: Stage 2-Prescavo



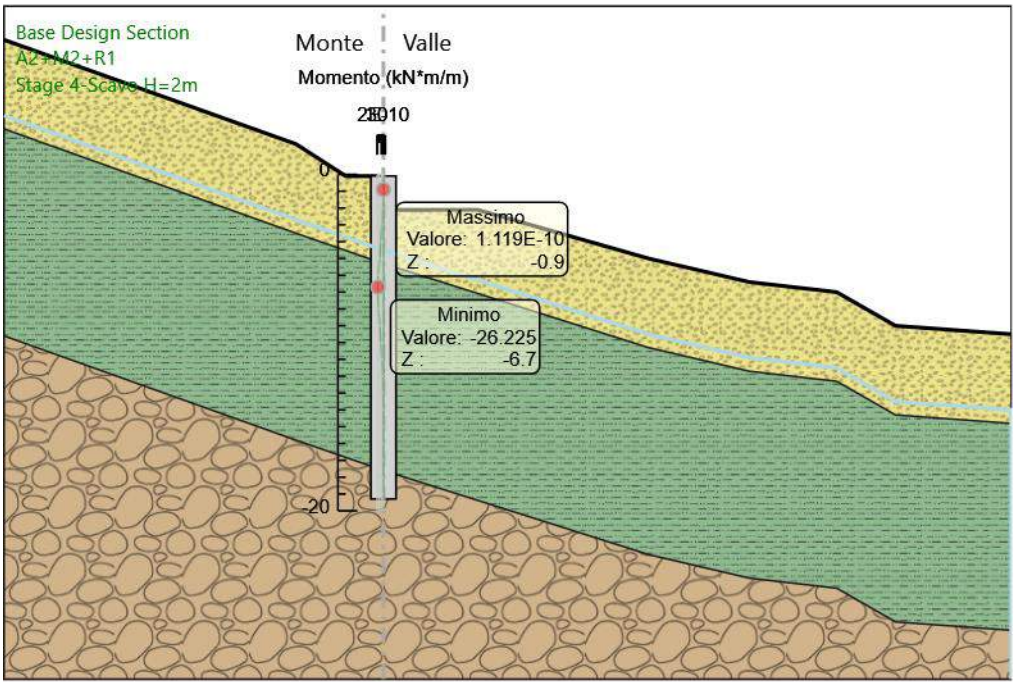
Design Assumption: A2+M2+R1
Stage: Stage 2-Prescavo
Momento

6.3.17. Grafico Risultati Momento A2+M2+R1 - Stage: Stage 3-Paratia



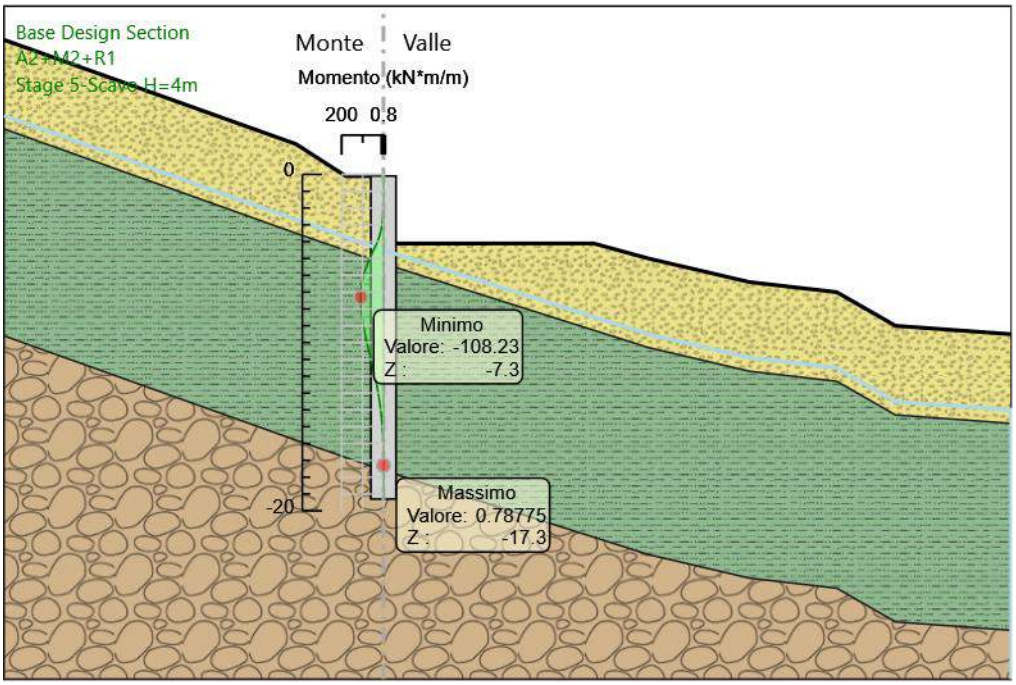
Design Assumption: A2+M2+R1
Stage: Stage 3-Paratia
Momento

6.3.18. Grafico Risultati Momento A2+M2+R1 - Stage: Stage 4-Scavo H=2m



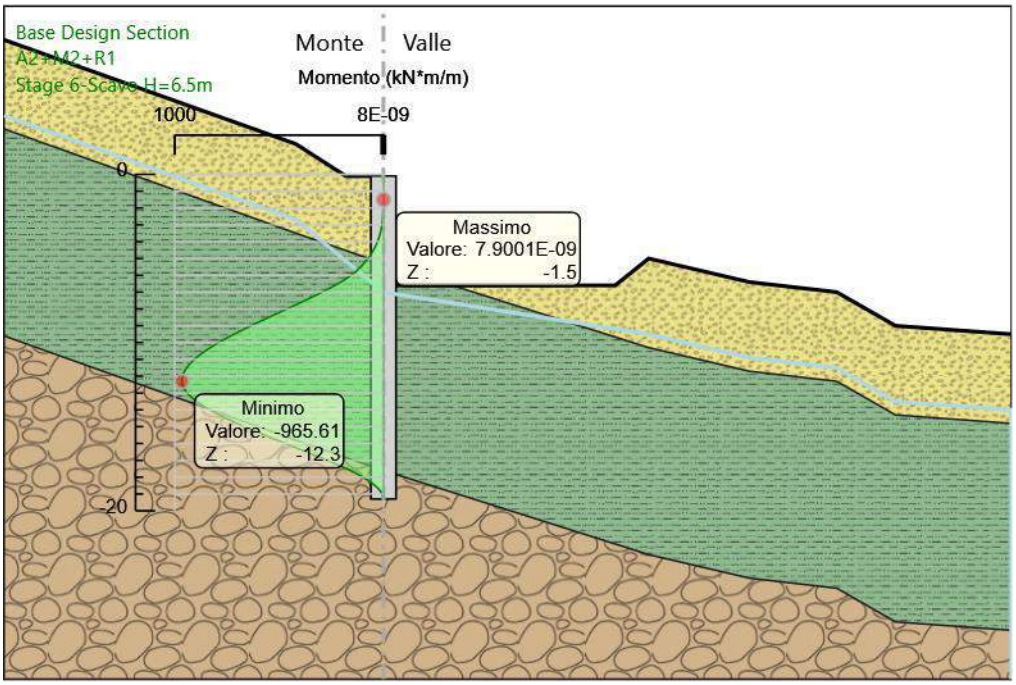
Design Assumption: A2+M2+R1
Stage: Stage 4-Scavo H=2m
Momento

6.3.19. Grafico Risultati Momento A2+M2+R1 - Stage: Stage 5-Scavo H=4m



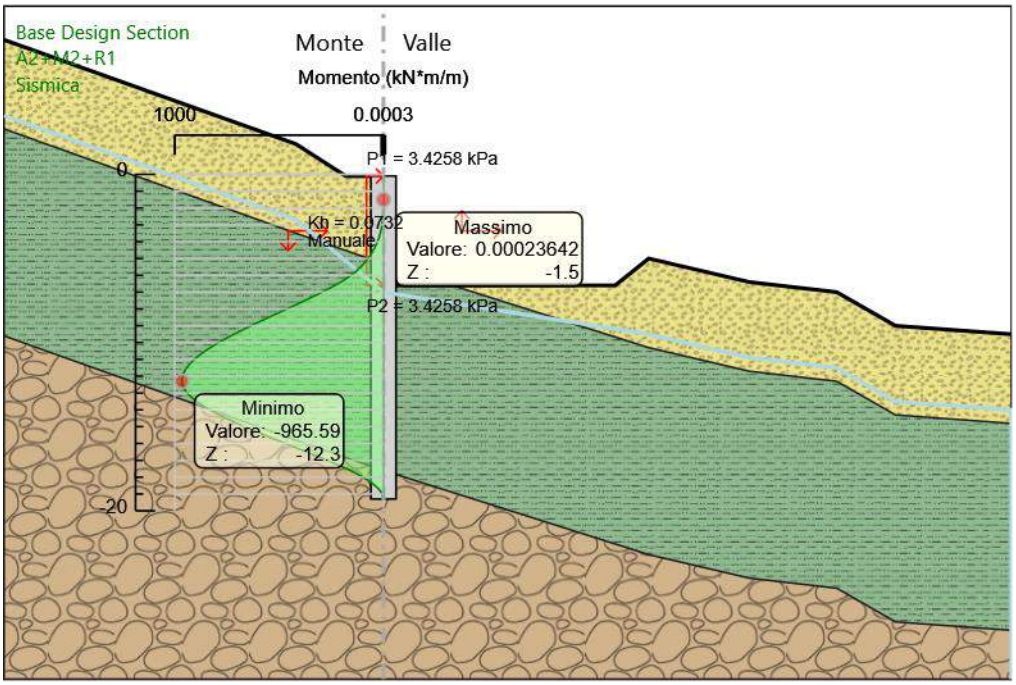
Design Assumption: A2+M2+R1
Stage: Stage 5-Scavo H=4m
Momento

6.3.20. Grafico Risultati Momento A2+M2+R1 - Stage: Stage 6-Scavo H=6.5m



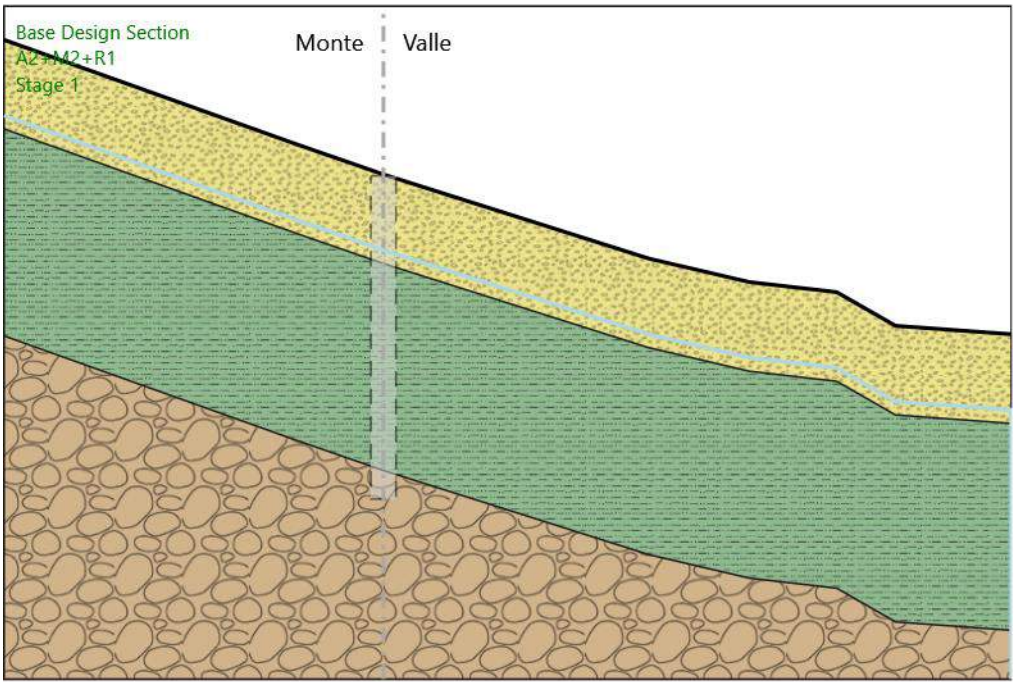
Design Assumption: A2+M2+R1
Stage: Stage 6-Scavo H=6.5m
Momento

6.3.21. Grafico Risultati Momento A2+M2+R1 - Stage: Sismica



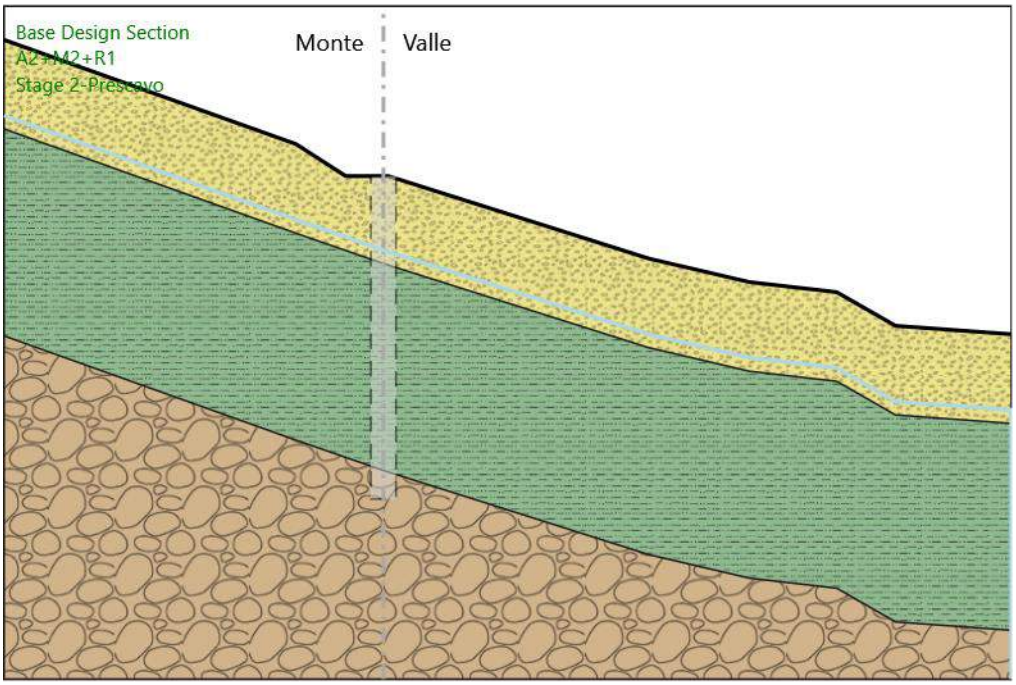
Design Assumption: A2+M2+R1
Stage: Sismica
Momento

6.3.22. Grafico Risultati Taglio A2+M2+R1 - Stage: Stage 1



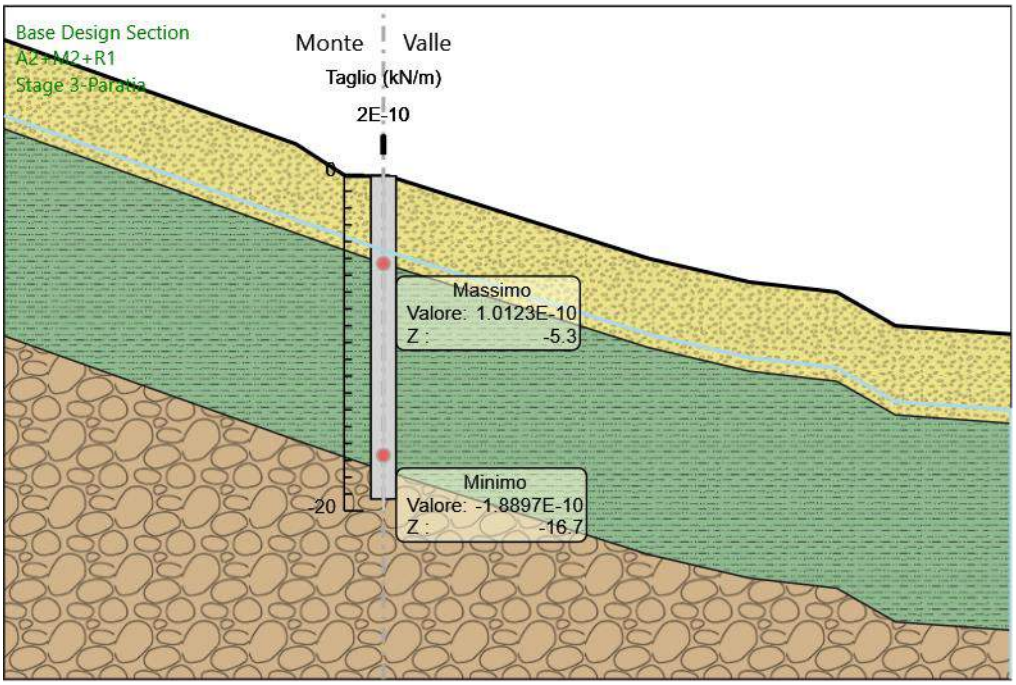
Design Assumption: A2+M2+R1
Stage: Stage 1
Taglio

6.3.23. Grafico Risultati Taglio A2+M2+R1 - Stage: Stage 2-Prescavo



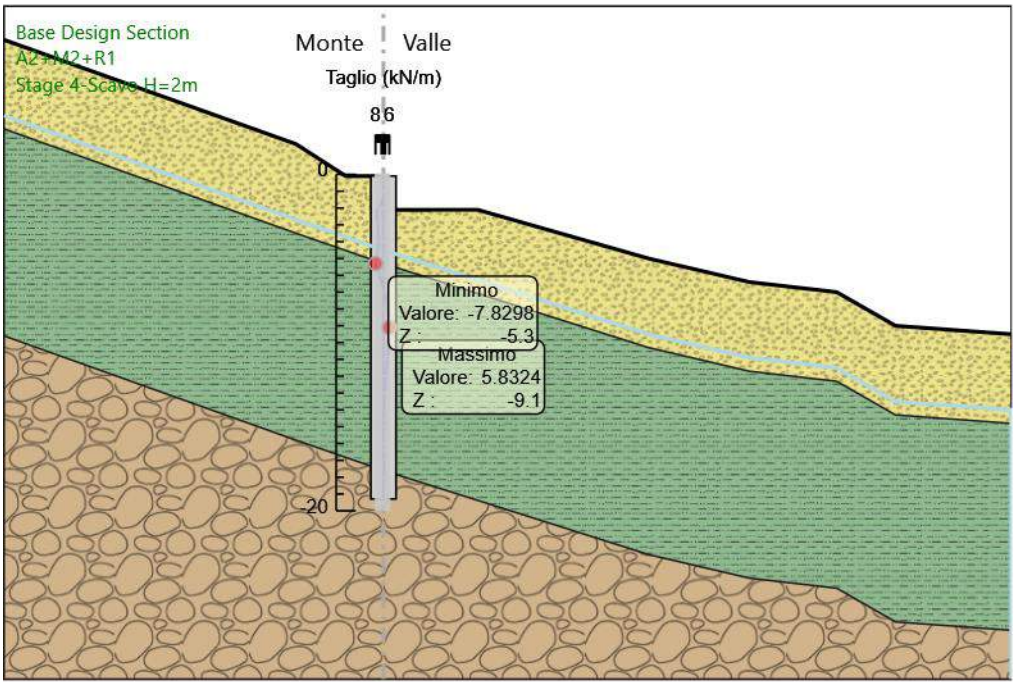
Design Assumption: A2+M2+R1
Stage: Stage 2-Prescavo
Taglio

6.3.24. Grafico Risultati Taglio A2+M2+R1 - Stage: Stage 3-Paratia



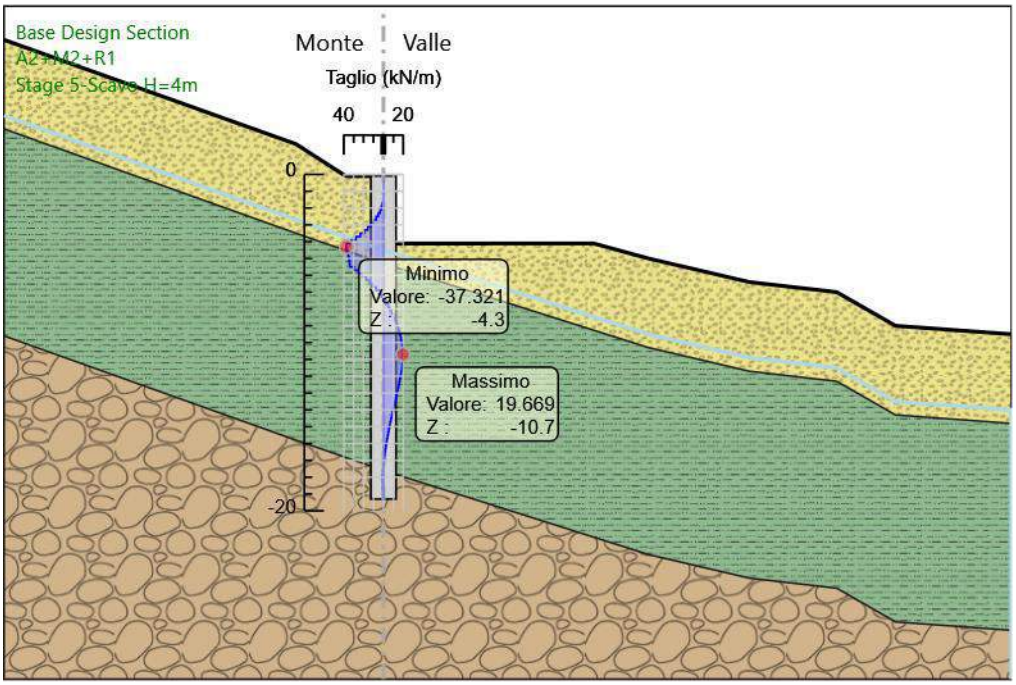
Design Assumption: A2+M2+R1
Stage: Stage 3-Paratia
Taglio

6.3.25. Grafico Risultati Taglio A2+M2+R1 - Stage: Stage 4-Scavo H=2m



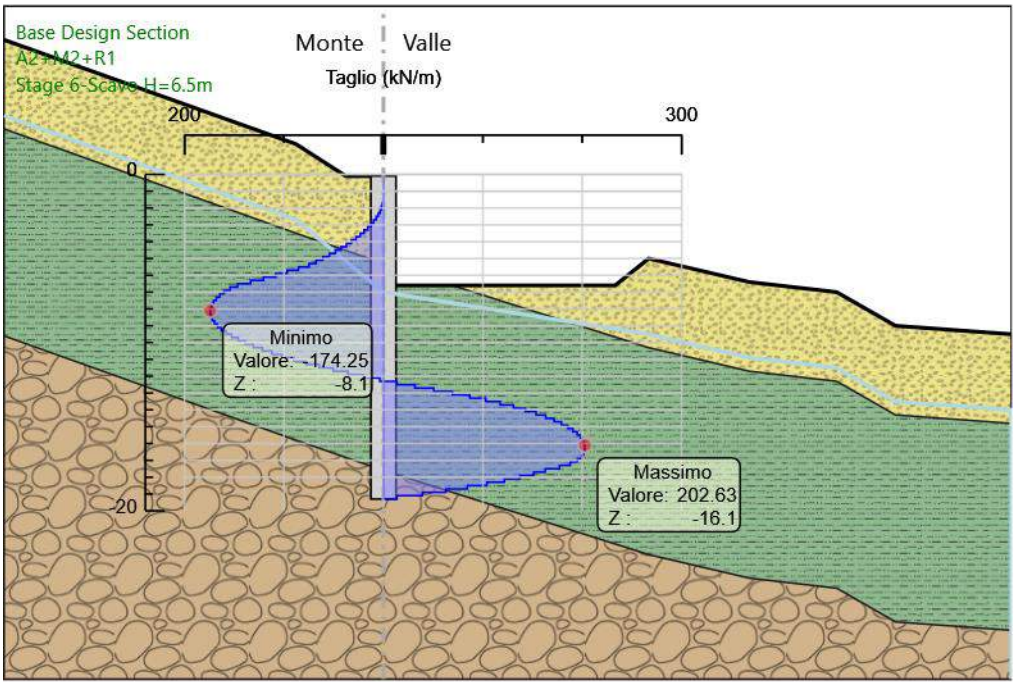
Design Assumption: A2+M2+R1
Stage: Stage 4-Scavo H=2m
Taglio

6.3.26. Grafico Risultati Taglio A2+M2+R1 - Stage: Stage 5-Scavo H=4m



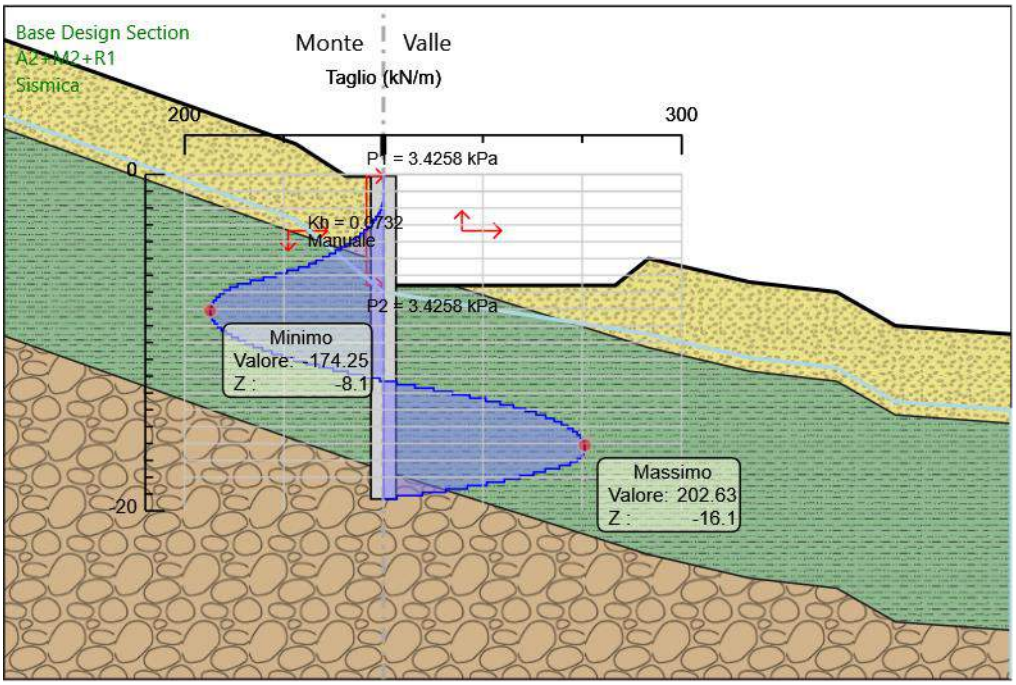
Design Assumption: A2+M2+R1
Stage: Stage 5-Scavo H=4m
Taglio

6.3.27. Grafico Risultati Taglio A2+M2+R1 - Stage: Stage 6-Scavo H=6.5m



Design Assumption: A2+M2+R1
Stage: Stage 6-Scavo H=6.5m
Taglio

6.3.28. Grafico Risultati Taglio A2+M2+R1 - Stage: Sismica



Design Assumption: A2+M2+R1
Stage: Sismica
Taglio

6.4. Risultati SISMICA STR

6.4.1. Tabella Risultati Paratia SISMICA STR - Left Wall - Stage: Stage 1

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	-0.1	0	0
Stage 1	-0.3	0	0
Stage 1	-0.5	0	0
Stage 1	-0.7	0	0
Stage 1	-0.9	0	0
Stage 1	-1.1	0	0
Stage 1	-1.3	0	0
Stage 1	-1.5	0	0
Stage 1	-1.7	0	0
Stage 1	-1.9	0	0
Stage 1	-2.1	0	0
Stage 1	-2.3	0	0
Stage 1	-2.5	0	0
Stage 1	-2.7	0	0
Stage 1	-2.9	0	0
Stage 1	-3.1	0	0
Stage 1	-3.3	0	0
Stage 1	-3.5	0	0
Stage 1	-3.7	0	0
Stage 1	-3.9	0	0
Stage 1	-4.1	0	0
Stage 1	-4.3	0	0
Stage 1	-4.5	0	0
Stage 1	-4.7	0	0
Stage 1	-4.9	0	0
Stage 1	-5.1	0	0
Stage 1	-5.3	0	0
Stage 1	-5.5	0	0
Stage 1	-5.7	0	0
Stage 1	-5.9	0	0
Stage 1	-6.1	0	0
Stage 1	-6.3	0	0
Stage 1	-6.5	0	0
Stage 1	-6.7	0	0
Stage 1	-6.9	0	0
Stage 1	-7.1	0	0
Stage 1	-7.3	0	0
Stage 1	-7.5	0	0
Stage 1	-7.7	0	0
Stage 1	-7.9	0	0
Stage 1	-8.1	0	0
Stage 1	-8.3	0	0
Stage 1	-8.5	0	0
Stage 1	-8.7	0	0
Stage 1	-8.9	0	0
Stage 1	-9.1	0	0
Stage 1	-9.3	0	0
Stage 1	-9.5	0	0
Stage 1	-9.7	0	0
Stage 1	-9.9	0	0
Stage 1	-10.1	0	0
Stage 1	-10.3	0	0
Stage 1	-10.5	0	0
Stage 1	-10.7	0	0
Stage 1	-10.9	0	0
Stage 1	-11.1	0	0
Stage 1	-11.3	0	0
Stage 1	-11.5	0	0
Stage 1	-11.7	0	0
Stage 1	-11.9	0	0
Stage 1	-12.1	0	0
Stage 1	-12.3	0	0
Stage 1	-12.5	0	0
Stage 1	-12.7	0	0

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	-12.9	0	0
Stage 1	-13.1	0	0
Stage 1	-13.3	0	0
Stage 1	-13.5	0	0
Stage 1	-13.7	0	0
Stage 1	-13.9	0	0
Stage 1	-14.1	0	0
Stage 1	-14.3	0	0
Stage 1	-14.5	0	0
Stage 1	-14.7	0	0
Stage 1	-14.9	0	0
Stage 1	-15.1	0	0
Stage 1	-15.3	0	0
Stage 1	-15.5	0	0
Stage 1	-15.7	0	0
Stage 1	-15.9	0	0
Stage 1	-16.1	0	0
Stage 1	-16.3	0	0
Stage 1	-16.5	0	0
Stage 1	-16.7	0	0
Stage 1	-16.9	0	0
Stage 1	-17.1	0	0
Stage 1	-17.3	0	0
Stage 1	-17.5	0	0
Stage 1	-17.7	0	0
Stage 1	-17.9	0	0
Stage 1	-18.1	0	0
Stage 1	-18.3	0	0
Stage 1	-18.5	0	0
Stage 1	-18.7	0	0
Stage 1	-18.9	0	0
Stage 1	-19.1	0	0
Stage 1	-19.3	0	0

6.4.2. Tabella Risultati Paratia SISMICA STR - Left Wall - Stage: Stage 2-Prescavo

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2-Prescavo	-0.1	0	0
Stage 2-Prescavo	-0.3	0	0
Stage 2-Prescavo	-0.5	0	0
Stage 2-Prescavo	-0.7	0	0
Stage 2-Prescavo	-0.9	0	0
Stage 2-Prescavo	-1.1	0	0
Stage 2-Prescavo	-1.3	0	0
Stage 2-Prescavo	-1.5	0	0
Stage 2-Prescavo	-1.7	0	0
Stage 2-Prescavo	-1.9	0	0
Stage 2-Prescavo	-2.1	0	0
Stage 2-Prescavo	-2.3	0	0
Stage 2-Prescavo	-2.5	0	0
Stage 2-Prescavo	-2.7	0	0
Stage 2-Prescavo	-2.9	0	0
Stage 2-Prescavo	-3.1	0	0
Stage 2-Prescavo	-3.3	0	0
Stage 2-Prescavo	-3.5	0	0
Stage 2-Prescavo	-3.7	0	0
Stage 2-Prescavo	-3.9	0	0
Stage 2-Prescavo	-4.1	0	0
Stage 2-Prescavo	-4.3	0	0
Stage 2-Prescavo	-4.5	0	0
Stage 2-Prescavo	-4.7	0	0
Stage 2-Prescavo	-4.9	0	0
Stage 2-Prescavo	-5.1	0	0
Stage 2-Prescavo	-5.3	0	0
Stage 2-Prescavo	-5.5	0	0
Stage 2-Prescavo	-5.7	0	0
Stage 2-Prescavo	-5.9	0	0
Stage 2-Prescavo	-6.1	0	0
Stage 2-Prescavo	-6.3	0	0
Stage 2-Prescavo	-6.5	0	0
Stage 2-Prescavo	-6.7	0	0
Stage 2-Prescavo	-6.9	0	0
Stage 2-Prescavo	-7.1	0	0
Stage 2-Prescavo	-7.3	0	0
Stage 2-Prescavo	-7.5	0	0
Stage 2-Prescavo	-7.7	0	0
Stage 2-Prescavo	-7.9	0	0
Stage 2-Prescavo	-8.1	0	0
Stage 2-Prescavo	-8.3	0	0
Stage 2-Prescavo	-8.5	0	0
Stage 2-Prescavo	-8.7	0	0
Stage 2-Prescavo	-8.9	0	0
Stage 2-Prescavo	-9.1	0	0
Stage 2-Prescavo	-9.3	0	0
Stage 2-Prescavo	-9.5	0	0
Stage 2-Prescavo	-9.7	0	0
Stage 2-Prescavo	-9.9	0	0
Stage 2-Prescavo	-10.1	0	0
Stage 2-Prescavo	-10.3	0	0
Stage 2-Prescavo	-10.5	0	0
Stage 2-Prescavo	-10.7	0	0
Stage 2-Prescavo	-10.9	0	0
Stage 2-Prescavo	-11.1	0	0
Stage 2-Prescavo	-11.3	0	0
Stage 2-Prescavo	-11.5	0	0
Stage 2-Prescavo	-11.7	0	0
Stage 2-Prescavo	-11.9	0	0
Stage 2-Prescavo	-12.1	0	0
Stage 2-Prescavo	-12.3	0	0
Stage 2-Prescavo	-12.5	0	0
Stage 2-Prescavo	-12.7	0	0
Stage 2-Prescavo	-12.9	0	0
Stage 2-Prescavo	-13.1	0	0
Stage 2-Prescavo	-13.3	0	0

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2-Prescavo	-13.5	0	0
Stage 2-Prescavo	-13.7	0	0
Stage 2-Prescavo	-13.9	0	0
Stage 2-Prescavo	-14.1	0	0
Stage 2-Prescavo	-14.3	0	0
Stage 2-Prescavo	-14.5	0	0
Stage 2-Prescavo	-14.7	0	0
Stage 2-Prescavo	-14.9	0	0
Stage 2-Prescavo	-15.1	0	0
Stage 2-Prescavo	-15.3	0	0
Stage 2-Prescavo	-15.5	0	0
Stage 2-Prescavo	-15.7	0	0
Stage 2-Prescavo	-15.9	0	0
Stage 2-Prescavo	-16.1	0	0
Stage 2-Prescavo	-16.3	0	0
Stage 2-Prescavo	-16.5	0	0
Stage 2-Prescavo	-16.7	0	0
Stage 2-Prescavo	-16.9	0	0
Stage 2-Prescavo	-17.1	0	0
Stage 2-Prescavo	-17.3	0	0
Stage 2-Prescavo	-17.5	0	0
Stage 2-Prescavo	-17.7	0	0
Stage 2-Prescavo	-17.9	0	0
Stage 2-Prescavo	-18.1	0	0
Stage 2-Prescavo	-18.3	0	0
Stage 2-Prescavo	-18.5	0	0
Stage 2-Prescavo	-18.7	0	0
Stage 2-Prescavo	-18.9	0	0
Stage 2-Prescavo	-19.1	0	0
Stage 2-Prescavo	-19.3	0	0

6.4.3. Tabella Risultati Paratia SISMICA STR - Left Wall - Stage: Stage 3-Paratia

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-0.1	0	0
Stage 3-Paratia	-0.3	0	0
Stage 3-Paratia	-0.5	0	0
Stage 3-Paratia	-0.7	0	0
Stage 3-Paratia	-0.9	0	0
Stage 3-Paratia	-1.1	0	0
Stage 3-Paratia	-1.3	0	0
Stage 3-Paratia	-1.5	0	0
Stage 3-Paratia	-1.7	0	0
Stage 3-Paratia	-1.9	0	0
Stage 3-Paratia	-2.1	0	0
Stage 3-Paratia	-2.3	0	0
Stage 3-Paratia	-2.5	0	0
Stage 3-Paratia	-2.7	0	0
Stage 3-Paratia	-2.9	0	0
Stage 3-Paratia	-3.1	0	0
Stage 3-Paratia	-3.3	0	0
Stage 3-Paratia	-3.5	0	0
Stage 3-Paratia	-3.7	0	0
Stage 3-Paratia	-3.9	0	0
Stage 3-Paratia	-4.1	0	0
Stage 3-Paratia	-4.3	0	0
Stage 3-Paratia	-4.3	0	0
Stage 3-Paratia	-4.5	0	0
Stage 3-Paratia	-4.5	0	0
Stage 3-Paratia	-4.7	0	0
Stage 3-Paratia	-4.7	0	0
Stage 3-Paratia	-4.9	0	0
Stage 3-Paratia	-4.9	0	0
Stage 3-Paratia	-5.1	0	0
Stage 3-Paratia	-5.1	0	0
Stage 3-Paratia	-5.3	0	0
Stage 3-Paratia	-5.3	0	0
Stage 3-Paratia	-5.5	0	0
Stage 3-Paratia	-5.5	0	0
Stage 3-Paratia	-5.7	0	0
Stage 3-Paratia	-5.7	0	0
Stage 3-Paratia	-5.9	0	0
Stage 3-Paratia	-5.9	0	0
Stage 3-Paratia	-6.1	0	0
Stage 3-Paratia	-6.1	0	0
Stage 3-Paratia	-6.3	0	0
Stage 3-Paratia	-6.3	0	0
Stage 3-Paratia	-6.5	0	0
Stage 3-Paratia	-6.5	0	0
Stage 3-Paratia	-6.7	0	0
Stage 3-Paratia	-6.7	0	0
Stage 3-Paratia	-6.9	0	0
Stage 3-Paratia	-6.9	0	0
Stage 3-Paratia	-7.1	0	0
Stage 3-Paratia	-7.1	0	0
Stage 3-Paratia	-7.3	0	0
Stage 3-Paratia	-7.3	0	0
Stage 3-Paratia	-7.5	0	0
Stage 3-Paratia	-7.5	0	0
Stage 3-Paratia	-7.7	0	0
Stage 3-Paratia	-7.7	0	0
Stage 3-Paratia	-7.9	0	0
Stage 3-Paratia	-7.9	0	0
Stage 3-Paratia	-8.1	0	0
Stage 3-Paratia	-8.1	0	0
Stage 3-Paratia	-8.3	0	0
Stage 3-Paratia	-8.3	0	0
Stage 3-Paratia	-8.5	0	0
Stage 3-Paratia	-8.5	0	0
Stage 3-Paratia	-8.7	0	0
Stage 3-Paratia	-8.7	0	0

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-8.9	0	0
Stage 3-Paratia	-8.9	0	0
Stage 3-Paratia	-9.1	0	0
Stage 3-Paratia	-9.1	0	0
Stage 3-Paratia	-9.3	0	0
Stage 3-Paratia	-9.3	0	0
Stage 3-Paratia	-9.5	0	0
Stage 3-Paratia	-9.5	0	0
Stage 3-Paratia	-9.7	0	0
Stage 3-Paratia	-9.7	0	0
Stage 3-Paratia	-9.9	0	0
Stage 3-Paratia	-9.9	0	0
Stage 3-Paratia	-10.1	0	0
Stage 3-Paratia	-10.1	0	0
Stage 3-Paratia	-10.3	0	0
Stage 3-Paratia	-10.3	0	0
Stage 3-Paratia	-10.5	0	0
Stage 3-Paratia	-10.5	0	0
Stage 3-Paratia	-10.7	0	0
Stage 3-Paratia	-10.7	0	0
Stage 3-Paratia	-10.9	0	0
Stage 3-Paratia	-10.9	0	0
Stage 3-Paratia	-11.1	0	0
Stage 3-Paratia	-11.1	0	0
Stage 3-Paratia	-11.3	0	0
Stage 3-Paratia	-11.3	0	0
Stage 3-Paratia	-11.5	0	0
Stage 3-Paratia	-11.5	0	0
Stage 3-Paratia	-11.7	0	0
Stage 3-Paratia	-11.7	0	0
Stage 3-Paratia	-11.9	0	0
Stage 3-Paratia	-11.9	0	0
Stage 3-Paratia	-12.1	0	0
Stage 3-Paratia	-12.1	0	0
Stage 3-Paratia	-12.3	0	0
Stage 3-Paratia	-12.3	0	0
Stage 3-Paratia	-12.5	0	0
Stage 3-Paratia	-12.5	0	0
Stage 3-Paratia	-12.7	0	0
Stage 3-Paratia	-12.7	0	0
Stage 3-Paratia	-12.9	0	0
Stage 3-Paratia	-12.9	0	0
Stage 3-Paratia	-13.1	0	0
Stage 3-Paratia	-13.1	0	0
Stage 3-Paratia	-13.3	0	0
Stage 3-Paratia	-13.3	0	0
Stage 3-Paratia	-13.5	0	0
Stage 3-Paratia	-13.5	0	0
Stage 3-Paratia	-13.7	0	0
Stage 3-Paratia	-13.7	0	0
Stage 3-Paratia	-13.9	0	0
Stage 3-Paratia	-13.9	0	0
Stage 3-Paratia	-14.1	0	0
Stage 3-Paratia	-14.1	0	0
Stage 3-Paratia	-14.3	0	0
Stage 3-Paratia	-14.3	0	0
Stage 3-Paratia	-14.5	0	0
Stage 3-Paratia	-14.5	0	0
Stage 3-Paratia	-14.7	0	0
Stage 3-Paratia	-14.7	0	0
Stage 3-Paratia	-14.9	0	0
Stage 3-Paratia	-14.9	0	0
Stage 3-Paratia	-15.1	0	0
Stage 3-Paratia	-15.1	0	0
Stage 3-Paratia	-15.3	0	0
Stage 3-Paratia	-15.3	0	0
Stage 3-Paratia	-15.5	0	0
Stage 3-Paratia	-15.5	0	0
Stage 3-Paratia	-15.7	0	0
Stage 3-Paratia	-15.7	0	0
Stage 3-Paratia	-15.9	0	0

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-15.9	0	0
Stage 3-Paratia	-16.1	0	0
Stage 3-Paratia	-16.1	0	0
Stage 3-Paratia	-16.3	0	0
Stage 3-Paratia	-16.3	0	0
Stage 3-Paratia	-16.5	0	0
Stage 3-Paratia	-16.5	0	0
Stage 3-Paratia	-16.7	0	0
Stage 3-Paratia	-16.7	0	0
Stage 3-Paratia	-16.9	0	0
Stage 3-Paratia	-16.9	0	0
Stage 3-Paratia	-17.1	0	0
Stage 3-Paratia	-17.1	0	0
Stage 3-Paratia	-17.3	0	0
Stage 3-Paratia	-17.3	0	0
Stage 3-Paratia	-17.5	0	0
Stage 3-Paratia	-17.5	0	0
Stage 3-Paratia	-17.7	0	0
Stage 3-Paratia	-17.7	0	0
Stage 3-Paratia	-17.9	0	0
Stage 3-Paratia	-17.9	0	0
Stage 3-Paratia	-18.1	0	0
Stage 3-Paratia	-18.1	0	0
Stage 3-Paratia	-18.3	0	0
Stage 3-Paratia	-18.3	0	0
Stage 3-Paratia	-18.5	0	0
Stage 3-Paratia	-18.5	0	0
Stage 3-Paratia	-18.7	0	0
Stage 3-Paratia	-18.7	0	0
Stage 3-Paratia	-18.9	0	0
Stage 3-Paratia	-18.9	0	0
Stage 3-Paratia	-19.1	0	0
Stage 3-Paratia	-19.1	0	0
Stage 3-Paratia	-19.3	0	0

6.4.4. Tabella Risultati Paratia SISMICA STR - Left Wall - Stage: Stage 4-Scavo H=2m

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=2m	-0.1	0	0
Stage 4-Scavo H=2m	-0.3	0	0
Stage 4-Scavo H=2m	-0.3	0	0
Stage 4-Scavo H=2m	-0.5	0	0
Stage 4-Scavo H=2m	-0.5	0	0
Stage 4-Scavo H=2m	-0.7	0	0
Stage 4-Scavo H=2m	-0.7	0	0
Stage 4-Scavo H=2m	-0.9	0	0
Stage 4-Scavo H=2m	-0.9	0	0
Stage 4-Scavo H=2m	-1.1	0	0
Stage 4-Scavo H=2m	-1.1	0	0
Stage 4-Scavo H=2m	-1.3	0	0.01
Stage 4-Scavo H=2m	-1.5	-0.08	-0.43
Stage 4-Scavo H=2m	-1.7	-0.35	-1.32
Stage 4-Scavo H=2m	-1.9	-0.88	-2.66
Stage 4-Scavo H=2m	-2.1	-1.77	-4.45
Stage 4-Scavo H=2m	-2.3	-3.11	-6.69
Stage 4-Scavo H=2m	-2.5	-4.48	-6.85
Stage 4-Scavo H=2m	-2.7	-5.86	-6.9
Stage 4-Scavo H=2m	-2.9	-7.24	-6.93
Stage 4-Scavo H=2m	-3.1	-8.64	-6.99
Stage 4-Scavo H=2m	-3.3	-10.06	-7.1
Stage 4-Scavo H=2m	-3.5	-11.52	-7.28
Stage 4-Scavo H=2m	-3.7	-13.03	-7.54
Stage 4-Scavo H=2m	-3.9	-14.6	-7.88
Stage 4-Scavo H=2m	-4.1	-16.26	-8.31
Stage 4-Scavo H=2m	-4.3	-18.03	-8.82
Stage 4-Scavo H=2m	-4.5	-19.91	-9.43
Stage 4-Scavo H=2m	-4.7	-21.94	-10.12
Stage 4-Scavo H=2m	-4.9	-24.12	-10.91
Stage 4-Scavo H=2m	-5.1	-26.48	-11.79
Stage 4-Scavo H=2m	-5.3	-29.03	-12.77
Stage 4-Scavo H=2m	-5.5	-31.8	-13.84
Stage 4-Scavo H=2m	-5.7	-33.91	-10.57
Stage 4-Scavo H=2m	-5.9	-35.39	-7.37
Stage 4-Scavo H=2m	-6.1	-36.24	-4.24
Stage 4-Scavo H=2m	-6.3	-36.47	-1.17
Stage 4-Scavo H=2m	-6.5	-36.18	1.44
Stage 4-Scavo H=2m	-6.7	-35.46	3.62
Stage 4-Scavo H=2m	-6.9	-34.38	5.41
Stage 4-Scavo H=2m	-7.1	-33.01	6.85
Stage 4-Scavo H=2m	-7.3	-31.41	7.97
Stage 4-Scavo H=2m	-7.5	-29.65	8.81
Stage 4-Scavo H=2m	-7.7	-27.77	9.41
Stage 4-Scavo H=2m	-7.9	-25.81	9.78
Stage 4-Scavo H=2m	-8.1	-23.82	9.97
Stage 4-Scavo H=2m	-8.3	-21.82	9.99
Stage 4-Scavo H=2m	-8.5	-19.84	9.88
Stage 4-Scavo H=2m	-8.7	-17.91	9.65
Stage 4-Scavo H=2m	-8.9	-16.05	9.33
Stage 4-Scavo H=2m	-9.1	-14.26	8.93
Stage 4-Scavo H=2m	-9.3	-12.56	8.48
Stage 4-Scavo H=2m	-9.5	-10.97	7.98
Stage 4-Scavo H=2m	-9.7	-9.48	7.44
Stage 4-Scavo H=2m	-9.9	-8.1	6.89
Stage 4-Scavo H=2m	-10.1	-6.84	6.33
Stage 4-Scavo H=2m	-10.3	-5.68	5.77
Stage 4-Scavo H=2m	-10.5	-4.64	5.21
Stage 4-Scavo H=2m	-10.7	-3.71	4.67
Stage 4-Scavo H=2m	-10.9	-2.88	4.14
Stage 4-Scavo H=2m	-11.1	-2.15	3.63
Stage 4-Scavo H=2m	-11.3	-1.52	3.15
Stage 4-Scavo H=2m	-11.5	-0.98	2.69
Stage 4-Scavo H=2m	-11.7	-0.53	2.26
Stage 4-Scavo H=2m	-11.9	-0.16	1.85
Stage 4-Scavo H=2m	-12.1	0.13	1.48
Stage 4-Scavo H=2m	-12.3	0.36	1.13

Design Assumption: SISMICA STR Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=2m	-12.5	0.52	0.81
Stage 4-Scavo H=2m	-12.7	0.62	0.52
Stage 4-Scavo H=2m	-12.9	0.67	0.26
Stage 4-Scavo H=2m	-13.1	0.68	0.02
Stage 4-Scavo H=2m	-13.3	0.64	-0.19
Stage 4-Scavo H=2m	-13.5	0.57	-0.38
Stage 4-Scavo H=2m	-13.7	0.46	-0.54
Stage 4-Scavo H=2m	-13.9	0.32	-0.67
Stage 4-Scavo H=2m	-14.1	0.16	-0.79
Stage 4-Scavo H=2m	-14.3	-0.01	-0.88
Stage 4-Scavo H=2m	-14.5	-0.2	-0.95
Stage 4-Scavo H=2m	-14.7	-0.4	-0.99
Stage 4-Scavo H=2m	-14.9	-0.6	-1.01
Stage 4-Scavo H=2m	-15.1	-0.8	-1.01
Stage 4-Scavo H=2m	-15.3	-1	-0.99
Stage 4-Scavo H=2m	-15.5	-1.19	-0.94
Stage 4-Scavo H=2m	-15.7	-1.36	-0.86
Stage 4-Scavo H=2m	-15.9	-1.51	-0.76
Stage 4-Scavo H=2m	-16.1	-1.64	-0.63
Stage 4-Scavo H=2m	-16.3	-1.73	-0.47
Stage 4-Scavo H=2m	-16.5	-1.79	-0.28
Stage 4-Scavo H=2m	-16.7	-1.8	-0.05
Stage 4-Scavo H=2m	-16.9	-1.76	0.21
Stage 4-Scavo H=2m	-17.1	-1.65	0.51
Stage 4-Scavo H=2m	-17.3	-1.48	0.85
Stage 4-Scavo H=2m	-17.5	-1.24	1.22
Stage 4-Scavo H=2m	-17.7	-0.91	1.64
Stage 4-Scavo H=2m	-17.9	-0.64	1.33
Stage 4-Scavo H=2m	-18.1	-0.43	1.05
Stage 4-Scavo H=2m	-18.3	-0.27	0.8
Stage 4-Scavo H=2m	-18.5	-0.16	0.58
Stage 4-Scavo H=2m	-18.7	-0.08	0.4
Stage 4-Scavo H=2m	-18.9	-0.03	0.24
Stage 4-Scavo H=2m	-19.1	-0.01	0.12
Stage 4-Scavo H=2m	-19.3	0	0.03

6.4.5. Tabella Risultati Paratia SISMICA STR - Left Wall - Stage: Stage 5-Scavo H=4m

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=4m	-0.1	0	0
Stage 5-Scavo H=4m	-0.3	0	0
Stage 5-Scavo H=4m	-0.3	0	0
Stage 5-Scavo H=4m	-0.5	0	0
Stage 5-Scavo H=4m	-0.5	0	0
Stage 5-Scavo H=4m	-0.7	0	0
Stage 5-Scavo H=4m	-0.7	0	0
Stage 5-Scavo H=4m	-0.9	0	0
Stage 5-Scavo H=4m	-0.9	0	0
Stage 5-Scavo H=4m	-1.1	0	0
Stage 5-Scavo H=4m	-1.1	0	0
Stage 5-Scavo H=4m	-1.3	0	0
Stage 5-Scavo H=4m	-1.3	0	0
Stage 5-Scavo H=4m	-1.5	0	0
Stage 5-Scavo H=4m	-1.5	0	0
Stage 5-Scavo H=4m	-1.7	0	0
Stage 5-Scavo H=4m	-1.7	0	0
Stage 5-Scavo H=4m	-1.9	0	0
Stage 5-Scavo H=4m	-1.9	0	0
Stage 5-Scavo H=4m	-2.1	-0.03	-0.17
Stage 5-Scavo H=4m	-2.3	-0.16	-0.64
Stage 5-Scavo H=4m	-2.5	-0.44	-1.4
Stage 5-Scavo H=4m	-2.7	-0.93	-2.46
Stage 5-Scavo H=4m	-2.9	-1.69	-3.81
Stage 5-Scavo H=4m	-3.1	-2.81	-5.59
Stage 5-Scavo H=4m	-3.3	-4.39	-7.89
Stage 5-Scavo H=4m	-3.5	-6.53	-10.72
Stage 5-Scavo H=4m	-3.7	-9.35	-14.06
Stage 5-Scavo H=4m	-3.9	-12.93	-17.94
Stage 5-Scavo H=4m	-4.1	-17.4	-22.33
Stage 5-Scavo H=4m	-4.3	-22.85	-27.24
Stage 5-Scavo H=4m	-4.5	-28.61	-28.81
Stage 5-Scavo H=4m	-4.7	-34.65	-30.21
Stage 5-Scavo H=4m	-4.9	-40.97	-31.6
Stage 5-Scavo H=4m	-5.1	-47.6	-33.14
Stage 5-Scavo H=4m	-5.3	-54.56	-34.82
Stage 5-Scavo H=4m	-5.5	-61.9	-36.66
Stage 5-Scavo H=4m	-5.7	-68.33	-32.16
Stage 5-Scavo H=4m	-5.9	-73.89	-27.83
Stage 5-Scavo H=4m	-6.1	-78.63	-23.68
Stage 5-Scavo H=4m	-6.3	-82.57	-19.69
Stage 5-Scavo H=4m	-6.5	-85.74	-15.86
Stage 5-Scavo H=4m	-6.7	-88.18	-12.18
Stage 5-Scavo H=4m	-6.9	-89.91	-8.64
Stage 5-Scavo H=4m	-7.1	-90.95	-5.24
Stage 5-Scavo H=4m	-7.3	-91.34	-1.96
Stage 5-Scavo H=4m	-7.5	-91.1	1.21
Stage 5-Scavo H=4m	-7.7	-90.28	4.12
Stage 5-Scavo H=4m	-7.9	-88.94	6.71
Stage 5-Scavo H=4m	-8.1	-87.13	9.01
Stage 5-Scavo H=4m	-8.3	-84.92	11.05
Stage 5-Scavo H=4m	-8.5	-82.36	12.84
Stage 5-Scavo H=4m	-8.7	-79.47	14.41
Stage 5-Scavo H=4m	-8.9	-76.32	15.78
Stage 5-Scavo H=4m	-9.1	-72.93	16.97
Stage 5-Scavo H=4m	-9.3	-69.32	18
Stage 5-Scavo H=4m	-9.5	-65.55	18.87
Stage 5-Scavo H=4m	-9.7	-61.67	19.41
Stage 5-Scavo H=4m	-9.9	-57.74	19.67
Stage 5-Scavo H=4m	-10.1	-53.8	19.68
Stage 5-Scavo H=4m	-10.3	-49.9	19.48
Stage 5-Scavo H=4m	-10.5	-46.09	19.09
Stage 5-Scavo H=4m	-10.7	-42.37	18.56
Stage 5-Scavo H=4m	-10.9	-38.8	17.9
Stage 5-Scavo H=4m	-11.1	-35.37	17.13
Stage 5-Scavo H=4m	-11.3	-32.11	16.28
Stage 5-Scavo H=4m	-11.5	-29.04	15.37

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=4m	-11.7	-26.16	14.41
Stage 5-Scavo H=4m	-11.9	-23.47	13.43
Stage 5-Scavo H=4m	-12.1	-20.99	12.42
Stage 5-Scavo H=4m	-12.3	-18.7	11.41
Stage 5-Scavo H=4m	-12.5	-16.62	10.41
Stage 5-Scavo H=4m	-12.7	-14.74	9.42
Stage 5-Scavo H=4m	-12.9	-13.05	8.46
Stage 5-Scavo H=4m	-13.1	-11.54	7.52
Stage 5-Scavo H=4m	-13.3	-10.22	6.63
Stage 5-Scavo H=4m	-13.5	-9.06	5.77
Stage 5-Scavo H=4m	-13.7	-8.07	4.96
Stage 5-Scavo H=4m	-13.9	-7.23	4.21
Stage 5-Scavo H=4m	-14.1	-6.53	3.5
Stage 5-Scavo H=4m	-14.3	-5.95	2.86
Stage 5-Scavo H=4m	-14.5	-5.5	2.28
Stage 5-Scavo H=4m	-14.7	-5.15	1.76
Stage 5-Scavo H=4m	-14.9	-4.88	1.31
Stage 5-Scavo H=4m	-15.1	-4.7	0.93
Stage 5-Scavo H=4m	-15.3	-4.58	0.62
Stage 5-Scavo H=4m	-15.5	-4.5	0.38
Stage 5-Scavo H=4m	-15.7	-4.46	0.23
Stage 5-Scavo H=4m	-15.9	-4.43	0.15
Stage 5-Scavo H=4m	-16.1	-4.39	0.16
Stage 5-Scavo H=4m	-16.3	-4.34	0.25
Stage 5-Scavo H=4m	-16.5	-4.26	0.44
Stage 5-Scavo H=4m	-16.7	-4.11	0.71
Stage 5-Scavo H=4m	-16.9	-3.9	1.08
Stage 5-Scavo H=4m	-17.1	-3.59	1.55
Stage 5-Scavo H=4m	-17.3	-3.16	2.13
Stage 5-Scavo H=4m	-17.5	-2.6	2.8
Stage 5-Scavo H=4m	-17.7	-1.88	3.58
Stage 5-Scavo H=4m	-17.9	-1.31	2.87
Stage 5-Scavo H=4m	-18.1	-0.87	2.23
Stage 5-Scavo H=4m	-18.3	-0.53	1.66
Stage 5-Scavo H=4m	-18.5	-0.3	1.18
Stage 5-Scavo H=4m	-18.7	-0.14	0.78
Stage 5-Scavo H=4m	-18.9	-0.05	0.45
Stage 5-Scavo H=4m	-19.1	-0.01	0.21
Stage 5-Scavo H=4m	-19.3	0	0.04

6.4.6. Tabella Risultati Paratia SISMICA STR - Left Wall - Stage: Stage 6-Scavo H=6.5m

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=6.5m	-0.1	0	0
Stage 6-Scavo H=6.5m	-0.3	0	0
Stage 6-Scavo H=6.5m	-0.3	0	0
Stage 6-Scavo H=6.5m	-0.5	0	0
Stage 6-Scavo H=6.5m	-0.5	0	0
Stage 6-Scavo H=6.5m	-0.7	0	0
Stage 6-Scavo H=6.5m	-0.7	0	0
Stage 6-Scavo H=6.5m	-0.9	0	0
Stage 6-Scavo H=6.5m	-0.9	0	0
Stage 6-Scavo H=6.5m	-1.1	0	0
Stage 6-Scavo H=6.5m	-1.1	0	0
Stage 6-Scavo H=6.5m	-1.3	0	0
Stage 6-Scavo H=6.5m	-1.3	0	0
Stage 6-Scavo H=6.5m	-1.5	0	0
Stage 6-Scavo H=6.5m	-1.5	0	0
Stage 6-Scavo H=6.5m	-1.7	0	0
Stage 6-Scavo H=6.5m	-1.7	0	0
Stage 6-Scavo H=6.5m	-1.9	0	0
Stage 6-Scavo H=6.5m	-1.9	0	0
Stage 6-Scavo H=6.5m	-2.1	-0.03	-0.17
Stage 6-Scavo H=6.5m	-2.3	-0.16	-0.64
Stage 6-Scavo H=6.5m	-2.5	-0.44	-1.4
Stage 6-Scavo H=6.5m	-2.7	-0.93	-2.46
Stage 6-Scavo H=6.5m	-2.9	-1.69	-3.81
Stage 6-Scavo H=6.5m	-3.1	-2.79	-5.46
Stage 6-Scavo H=6.5m	-3.3	-4.27	-7.41
Stage 6-Scavo H=6.5m	-3.5	-6.2	-9.66
Stage 6-Scavo H=6.5m	-3.7	-8.64	-12.2
Stage 6-Scavo H=6.5m	-3.9	-11.65	-15.03
Stage 6-Scavo H=6.5m	-4.1	-15.28	-18.17
Stage 6-Scavo H=6.5m	-4.3	-19.6	-21.6
Stage 6-Scavo H=6.5m	-4.5	-24.66	-25.32
Stage 6-Scavo H=6.5m	-4.7	-30.53	-29.35
Stage 6-Scavo H=6.5m	-4.9	-37.27	-33.67
Stage 6-Scavo H=6.5m	-5.1	-44.92	-38.28
Stage 6-Scavo H=6.5m	-5.3	-53.56	-43.19
Stage 6-Scavo H=6.5m	-5.5	-63.24	-48.4
Stage 6-Scavo H=6.5m	-5.7	-74.35	-55.55
Stage 6-Scavo H=6.5m	-5.9	-86.97	-63.09
Stage 6-Scavo H=6.5m	-6.1	-101.17	-71.01
Stage 6-Scavo H=6.5m	-6.3	-117.04	-79.32
Stage 6-Scavo H=6.5m	-6.5	-134.64	-88.02
Stage 6-Scavo H=6.5m	-6.7	-154.06	-97.1
Stage 6-Scavo H=6.5m	-6.9	-173.61	-97.72
Stage 6-Scavo H=6.5m	-7.1	-192.82	-96.07
Stage 6-Scavo H=6.5m	-7.3	-211.27	-92.26
Stage 6-Scavo H=6.5m	-7.5	-228.72	-87.22
Stage 6-Scavo H=6.5m	-7.7	-244.91	-80.97
Stage 6-Scavo H=6.5m	-7.9	-259.61	-73.51
Stage 6-Scavo H=6.5m	-8.1	-272.58	-64.82
Stage 6-Scavo H=6.5m	-8.3	-283.78	-56
Stage 6-Scavo H=6.5m	-8.5	-293.31	-47.67
Stage 6-Scavo H=6.5m	-8.7	-301.27	-39.81
Stage 6-Scavo H=6.5m	-8.9	-307.75	-32.41
Stage 6-Scavo H=6.5m	-9.1	-312.84	-25.45
Stage 6-Scavo H=6.5m	-9.3	-316.63	-18.92
Stage 6-Scavo H=6.5m	-9.5	-319.19	-12.8
Stage 6-Scavo H=6.5m	-9.7	-320.6	-7.07
Stage 6-Scavo H=6.5m	-9.9	-320.94	-1.72
Stage 6-Scavo H=6.5m	-10.1	-320.29	3.27
Stage 6-Scavo H=6.5m	-10.3	-318.7	7.92
Stage 6-Scavo H=6.5m	-10.5	-316.26	12.25
Stage 6-Scavo H=6.5m	-10.7	-313	16.26
Stage 6-Scavo H=6.5m	-10.9	-309.01	19.98
Stage 6-Scavo H=6.5m	-11.1	-304.33	23.42
Stage 6-Scavo H=6.5m	-11.3	-299.01	26.59
Stage 6-Scavo H=6.5m	-11.5	-293.1	29.52

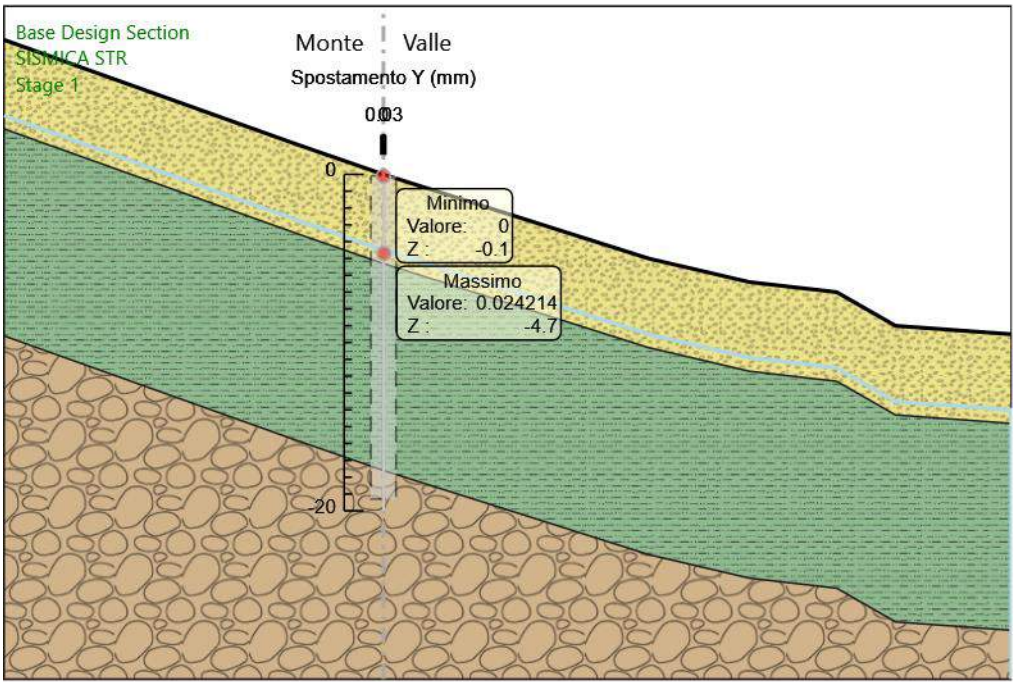
Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 6-Scavo H=6.5m	-11.7	-286.66	32.22
Stage 6-Scavo H=6.5m	-11.9	-279.72	34.7
Stage 6-Scavo H=6.5m	-12.1	-272.32	36.97
Stage 6-Scavo H=6.5m	-12.3	-264.51	39.05
Stage 6-Scavo H=6.5m	-12.5	-256.32	40.95
Stage 6-Scavo H=6.5m	-12.7	-247.78	42.69
Stage 6-Scavo H=6.5m	-12.9	-238.93	44.28
Stage 6-Scavo H=6.5m	-13.1	-229.79	45.72
Stage 6-Scavo H=6.5m	-13.3	-220.38	47.03
Stage 6-Scavo H=6.5m	-13.5	-210.73	48.22
Stage 6-Scavo H=6.5m	-13.7	-200.87	49.31
Stage 6-Scavo H=6.5m	-13.9	-190.84	50.17
Stage 6-Scavo H=6.5m	-14.1	-180.69	50.73
Stage 6-Scavo H=6.5m	-14.3	-170.49	51.01
Stage 6-Scavo H=6.5m	-14.5	-160.28	51.05
Stage 6-Scavo H=6.5m	-14.7	-150.11	50.87
Stage 6-Scavo H=6.5m	-14.9	-140.01	50.48
Stage 6-Scavo H=6.5m	-15.1	-130.03	49.92
Stage 6-Scavo H=6.5m	-15.3	-120.19	49.2
Stage 6-Scavo H=6.5m	-15.5	-110.52	48.34
Stage 6-Scavo H=6.5m	-15.7	-101.05	47.35
Stage 6-Scavo H=6.5m	-15.9	-91.8	46.26
Stage 6-Scavo H=6.5m	-16.1	-82.78	45.08
Stage 6-Scavo H=6.5m	-16.3	-74.02	43.81
Stage 6-Scavo H=6.5m	-16.5	-65.53	42.46
Stage 6-Scavo H=6.5m	-16.7	-57.35	40.87
Stage 6-Scavo H=6.5m	-16.9	-49.54	39.05
Stage 6-Scavo H=6.5m	-17.1	-42.14	37.02
Stage 6-Scavo H=6.5m	-17.3	-35.18	34.79
Stage 6-Scavo H=6.5m	-17.5	-28.7	32.38
Stage 6-Scavo H=6.5m	-17.7	-22.75	29.79
Stage 6-Scavo H=6.5m	-17.9	-17.46	26.41
Stage 6-Scavo H=6.5m	-18.1	-12.87	22.99
Stage 6-Scavo H=6.5m	-18.3	-8.96	19.53
Stage 6-Scavo H=6.5m	-18.5	-5.75	16.05
Stage 6-Scavo H=6.5m	-18.7	-3.24	12.53
Stage 6-Scavo H=6.5m	-18.9	-1.45	8.99
Stage 6-Scavo H=6.5m	-19.1	-0.36	5.42
Stage 6-Scavo H=6.5m	-19.3	0	1.81

6.4.7. Tabella Risultati Paratia SISMICA STR - Left Wall - Stage: Sismica

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sismica	-0.1	0	-0.54
Sismica	-0.3	-0.11	-0.54
Sismica	-0.5	-0.43	-1.61
Sismica	-0.7	-0.97	-2.68
Sismica	-0.9	-1.72	-3.76
Sismica	-1.1	-2.68	-4.83
Sismica	-1.3	-3.87	-5.91
Sismica	-1.5	-5.26	-6.98
Sismica	-1.7	-6.87	-8.05
Sismica	-1.9	-8.7	-9.13
Sismica	-2.1	-10.77	-10.37
Sismica	-2.3	-13.16	-11.91
Sismica	-2.5	-15.91	-13.75
Sismica	-2.7	-19.08	-15.88
Sismica	-2.9	-22.74	-18.31
Sismica	-3.1	-26.95	-21.04
Sismica	-3.3	-31.76	-24.06
Sismica	-3.5	-37.24	-27.38
Sismica	-3.7	-43.44	-30.99
Sismica	-3.9	-50.42	-34.9
Sismica	-4.1	-58.24	-39.11
Sismica	-4.3	-66.96	-43.61
Sismica	-4.5	-76.64	-48.41
Sismica	-4.7	-87.34	-53.51
Sismica	-4.9	-99.13	-58.9
Sismica	-5.1	-112.04	-64.59
Sismica	-5.3	-126.16	-70.58
Sismica	-5.5	-141.53	-76.86
Sismica	-5.7	-158.55	-85.09
Sismica	-5.9	-177.29	-93.7
Sismica	-6.1	-197.83	-102.69
Sismica	-6.3	-220.24	-112.08
Sismica	-6.5	-244.61	-121.85
Sismica	-6.7	-270.96	-131.73
Sismica	-6.9	-297.49	-132.65
Sismica	-7.1	-323.8	-131.54
Sismica	-7.3	-349.5	-128.5
Sismica	-7.5	-374.39	-124.46
Sismica	-7.7	-398.28	-119.43
Sismica	-7.9	-420.95	-113.4
Sismica	-8.1	-442.23	-106.35
Sismica	-8.3	-461.89	-98.3
Sismica	-8.5	-479.73	-89.23
Sismica	-8.7	-495.56	-79.15
Sismica	-8.9	-509.17	-68.05
Sismica	-9.1	-520.36	-55.93
Sismica	-9.3	-529.13	-43.85
Sismica	-9.5	-535.63	-32.51
Sismica	-9.7	-540	-21.87
Sismica	-9.9	-542.39	-11.91
Sismica	-10.1	-542.91	-2.6
Sismica	-10.3	-541.69	6.09
Sismica	-10.5	-538.85	14.17
Sismica	-10.7	-534.52	21.69
Sismica	-10.9	-528.78	28.66
Sismica	-11.1	-521.76	35.11
Sismica	-11.3	-513.55	41.07
Sismica	-11.5	-504.23	46.56
Sismica	-11.7	-493.91	51.61
Sismica	-11.9	-482.66	56.25
Sismica	-12.1	-470.56	60.48
Sismica	-12.3	-457.69	64.35
Sismica	-12.5	-444.12	67.87
Sismica	-12.7	-429.91	71.06
Sismica	-12.9	-415.12	73.95
Sismica	-13.1	-399.81	76.55
Sismica	-13.3	-384.03	78.88

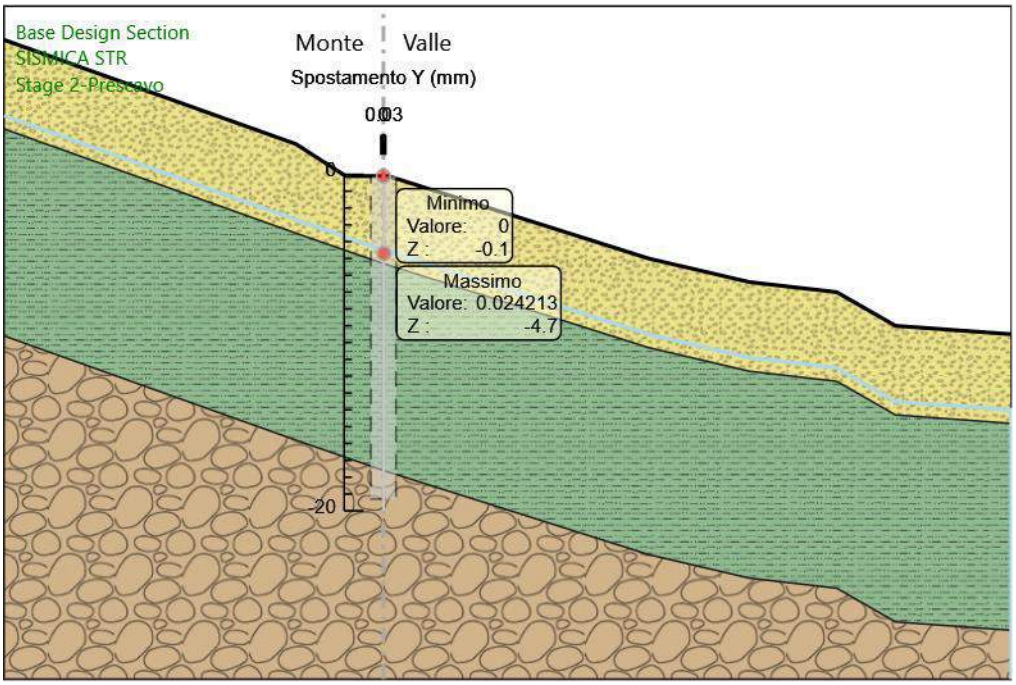
Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sismica	-13.5	-367.84	80.97
Sismica	-13.7	-351.27	82.83
Sismica	-13.9	-334.38	84.48
Sismica	-14.1	-317.19	85.93
Sismica	-14.3	-299.75	87.21
Sismica	-14.5	-282.08	88.32
Sismica	-14.7	-264.29	88.99
Sismica	-14.9	-246.44	89.21
Sismica	-15.1	-228.64	89.03
Sismica	-15.3	-210.94	88.49
Sismica	-15.5	-193.42	87.58
Sismica	-15.7	-176.19	86.14
Sismica	-15.9	-159.35	84.21
Sismica	-16.1	-142.99	81.81
Sismica	-16.3	-127.19	79
Sismica	-16.5	-112.03	75.79
Sismica	-16.7	-97.6	72.14
Sismica	-16.9	-83.97	68.19
Sismica	-17.1	-71.18	63.94
Sismica	-17.3	-59.29	59.43
Sismica	-17.5	-48.36	54.66
Sismica	-17.7	-38.43	49.65
Sismica	-17.9	-29.59	44.21
Sismica	-18.1	-21.86	38.65
Sismica	-18.3	-15.27	32.97
Sismica	-18.5	-9.83	27.2
Sismica	-18.7	-5.56	21.33
Sismica	-18.9	-2.49	15.36
Sismica	-19.1	-0.63	9.3
Sismica	-19.3	0	3.13

6.4.8. Grafico Spostamento SISMICA STR - Stage: Stage 1



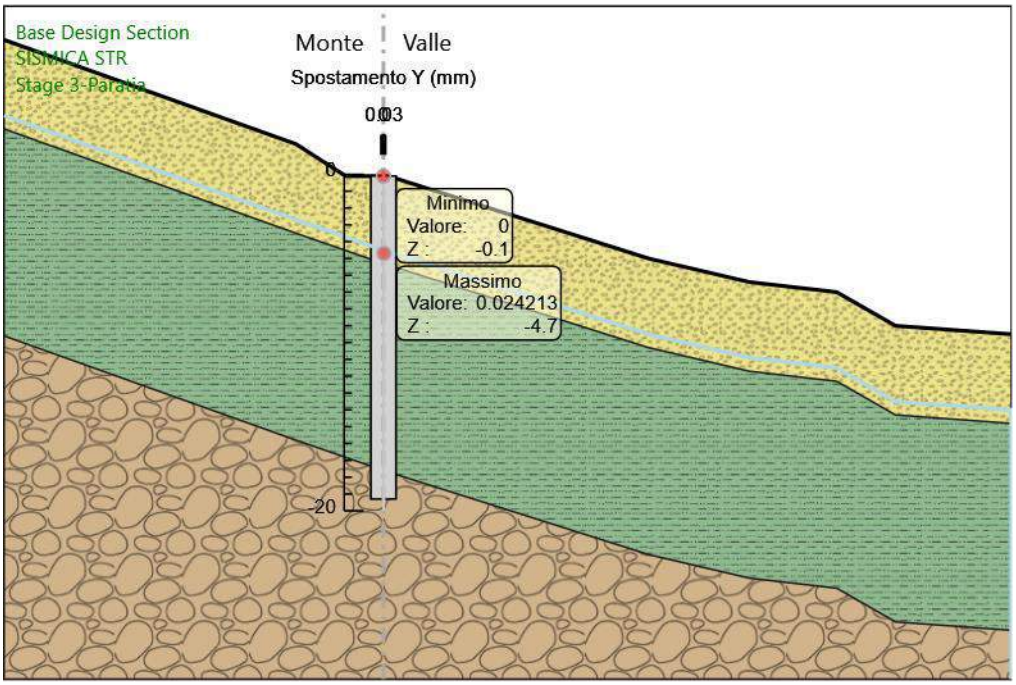
Design Assumption: SISMICA STR
Stage: Stage 1
Spostamento orizzontale

6.4.9. Grafico Spostamento SISMICA STR - Stage: Stage 2-Prescavo



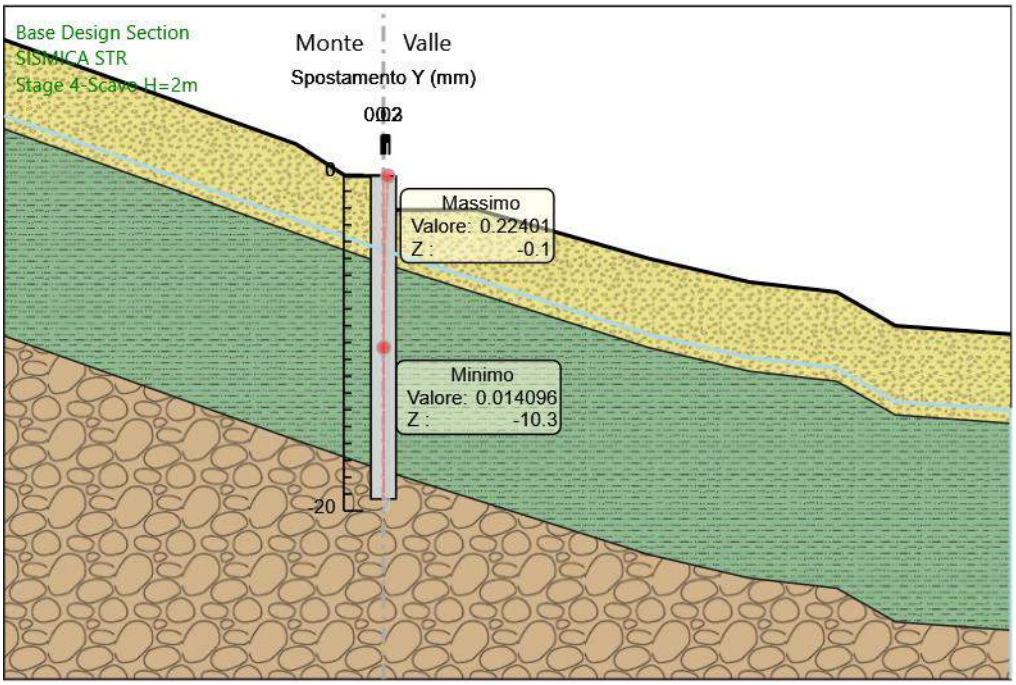
Design Assumption: SISMICA STR
Stage: Stage 2-Prescavo
Spostamento orizzontale

6.4.10. Grafico Spostamento SISMICA STR - Stage: Stage 3-Paratia



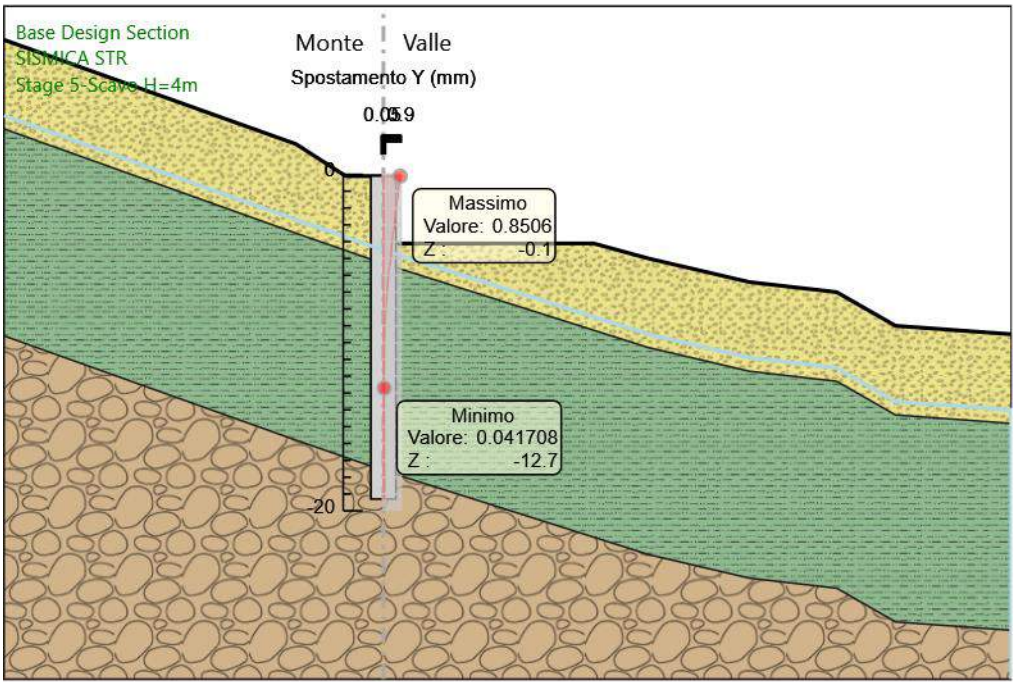
Design Assumption: SISMICA STR
Stage: Stage 3-Paratia
Spostamento orizzontale

6.4.11. Grafico Spostamento SISMICA STR - Stage: Stage 4-Scavo H=2m



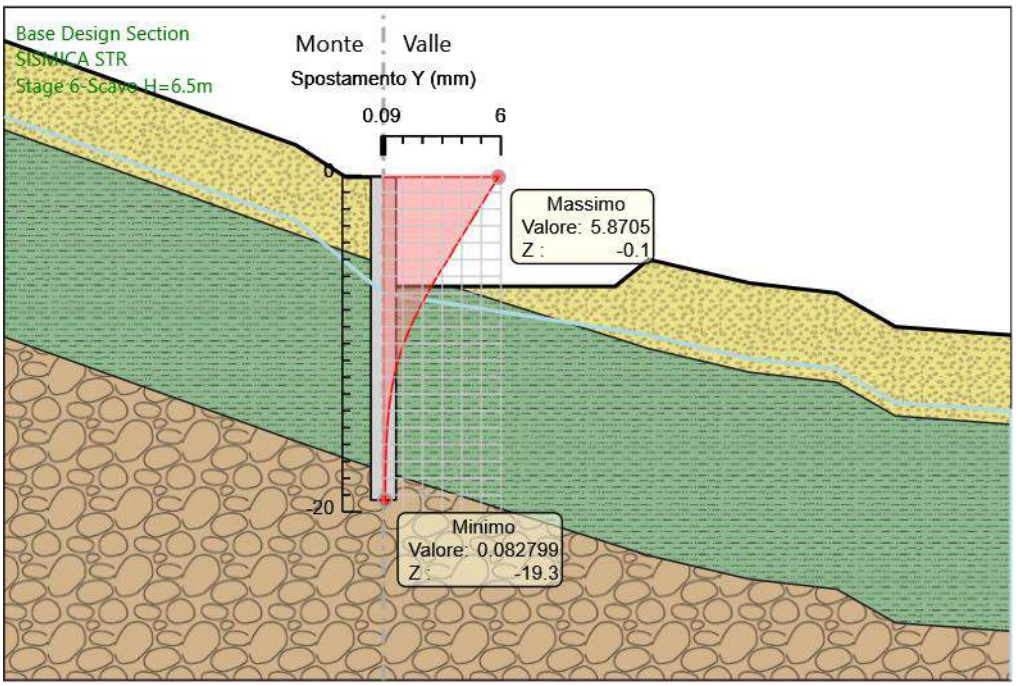
Design Assumption: SISMICA STR
Stage: Stage 4-Scavo H=2m
Spostamento orizzontale

6.4.12. Grafico Spostamento SISMICA STR - Stage: Stage 5-Scavo H=4m



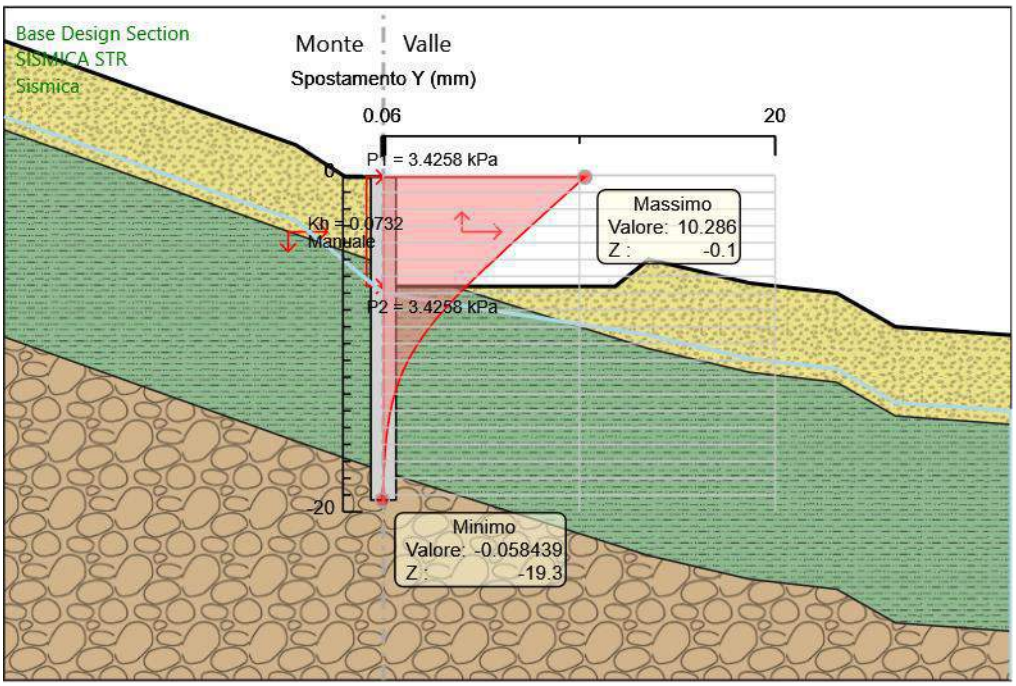
Design Assumption: SISMICA STR
Stage: Stage 5-Scavo H=4m
Spostamento orizzontale

6.4.13. Grafico Spostamento SISMICA STR - Stage: Stage 6-Scavo H=6.5m



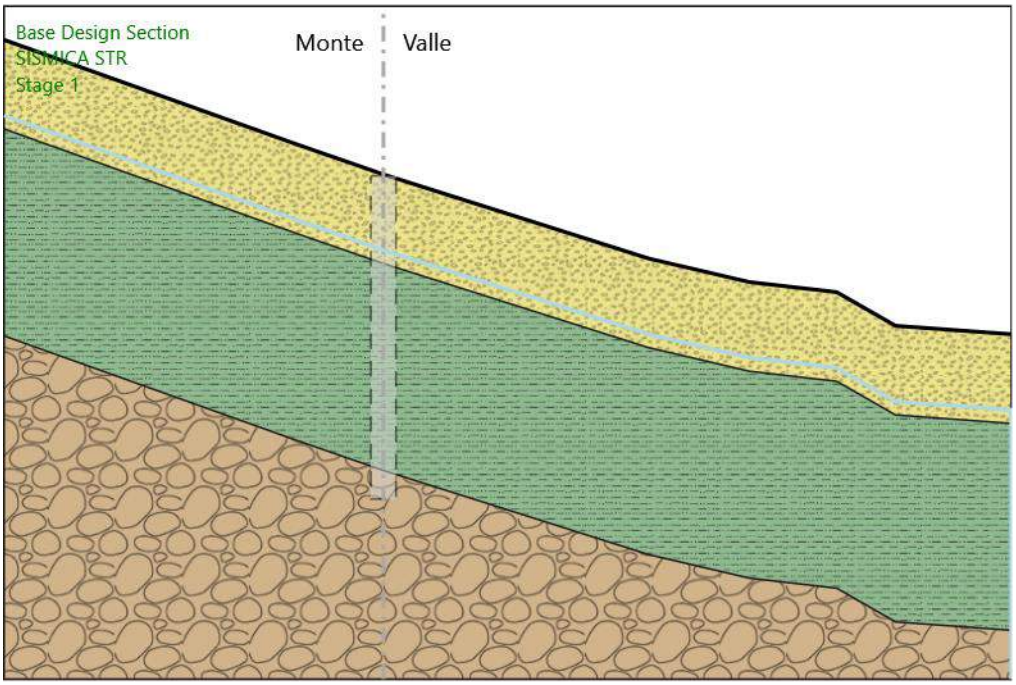
Design Assumption: SISMICA STR
Stage: Stage 6-Scavo H=6.5m
Spostamento orizzontale

6.4.14. Grafico Spostamento SISMICA STR - Stage: Sismica



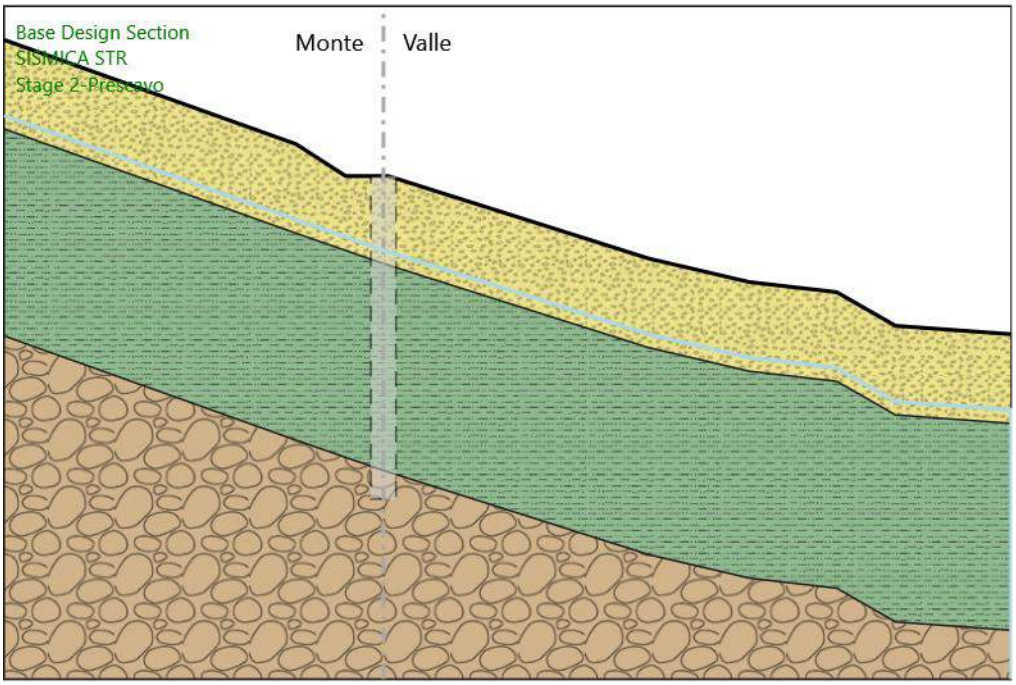
Design Assumption: SISMICA STR
Stage: Sismica
Spostamento orizzontale

6.4.15. Grafico Risultati Momento SISMICA STR - Stage: Stage 1



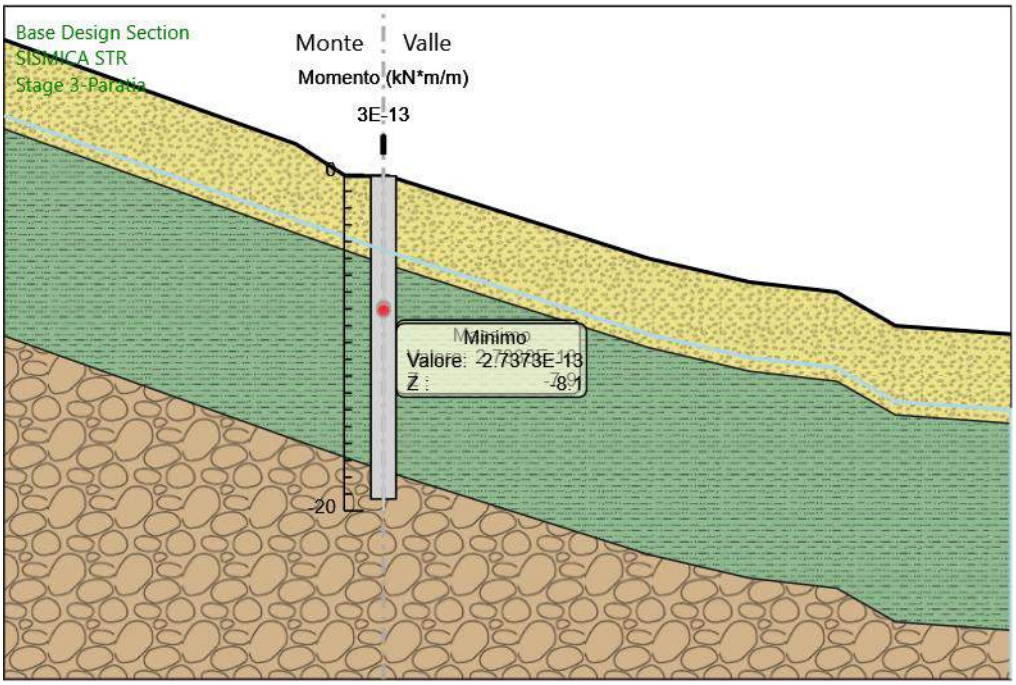
Design Assumption: SISMICA STR
Stage: Stage 1
Momento

6.4.16. Grafico Risultati Momento SISMICA STR - Stage: Stage 2-Prescavo



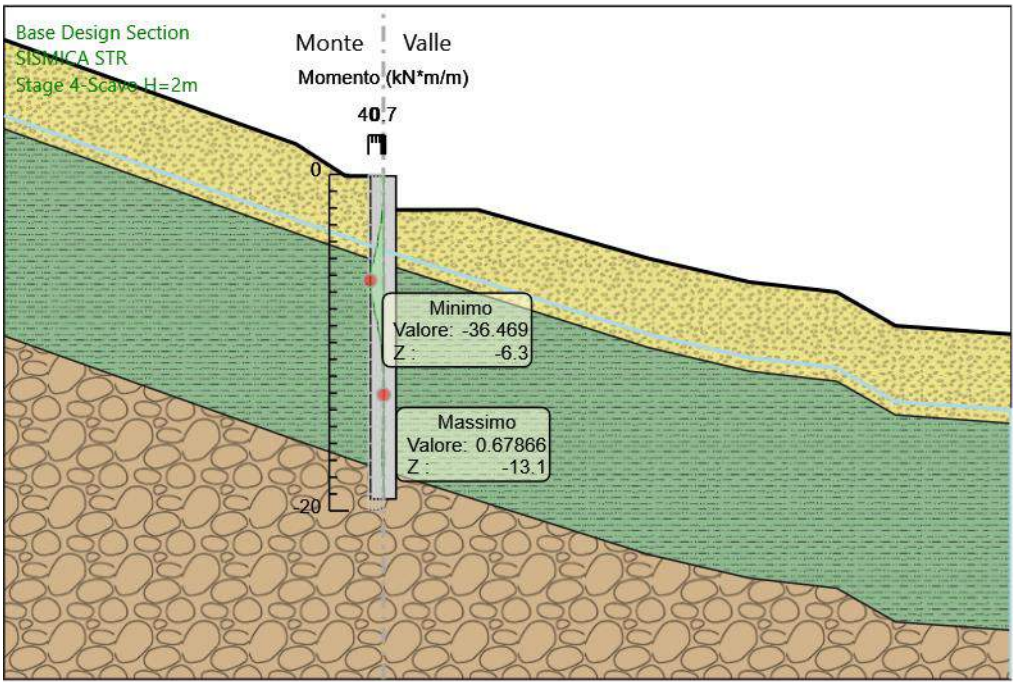
Design Assumption: SISMICA STR
Stage: Stage 2-Prescavo
Momento

6.4.17. Grafico Risultati Momento SISMICA STR - Stage: Stage 3-Paratia



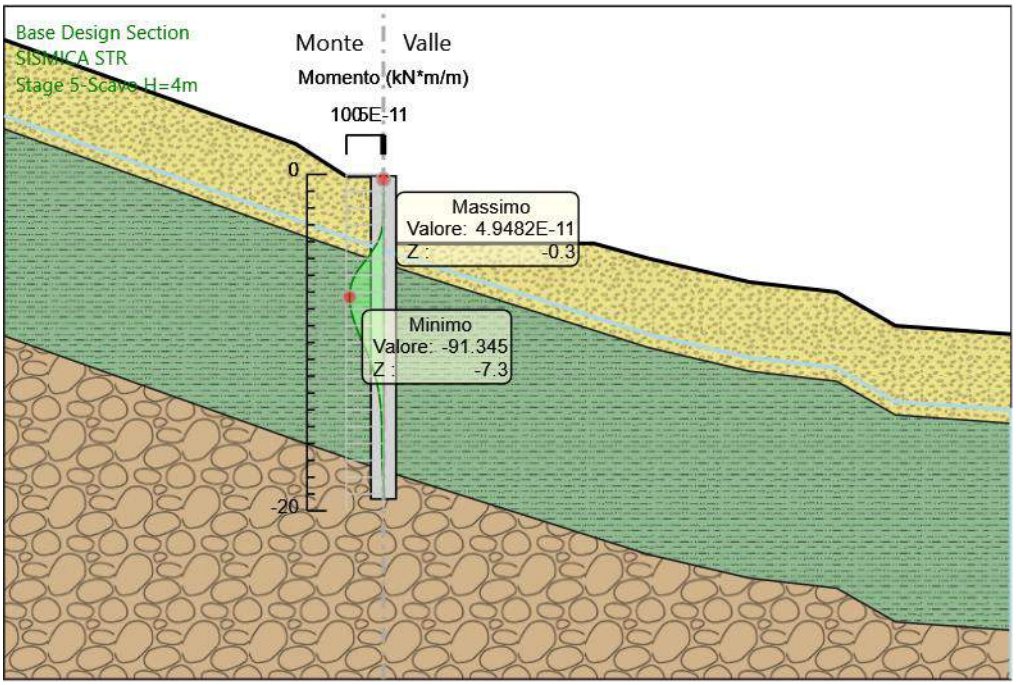
Design Assumption: SISMICA STR
Stage: Stage 3-Paratia
Momento

6.4.18. Grafico Risultati Momento SISMICA STR - Stage: Stage 4-Scavo H=2m



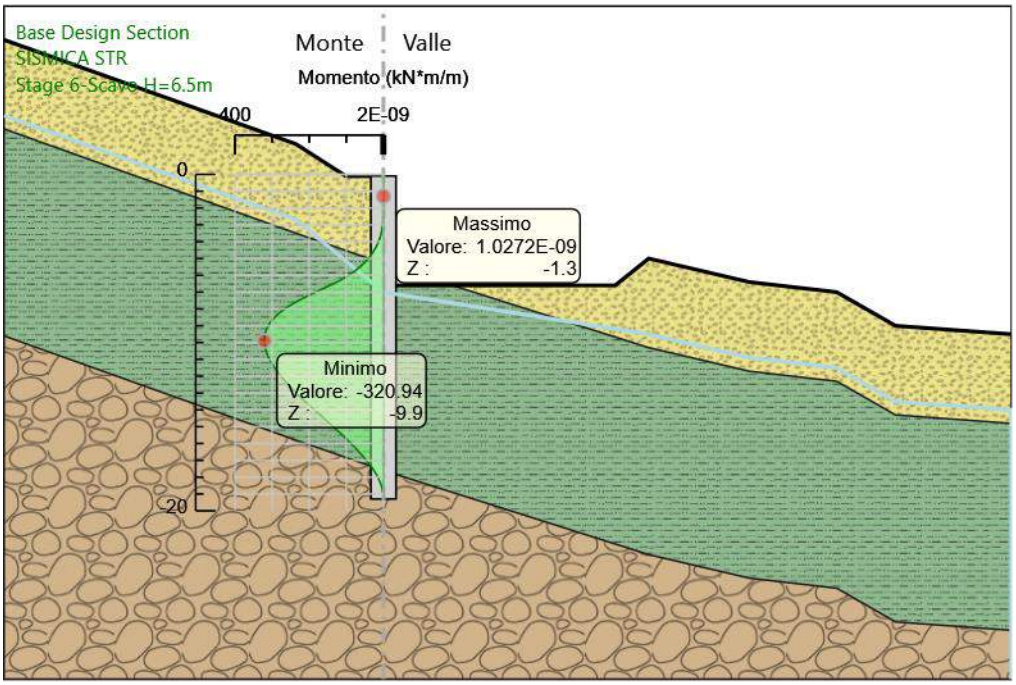
Design Assumption: SISMICA STR
Stage: Stage 4-Scavo H=2m
Momento

6.4.19. Grafico Risultati Momento SISMICA STR - Stage: Stage 5-Scavo H=4m



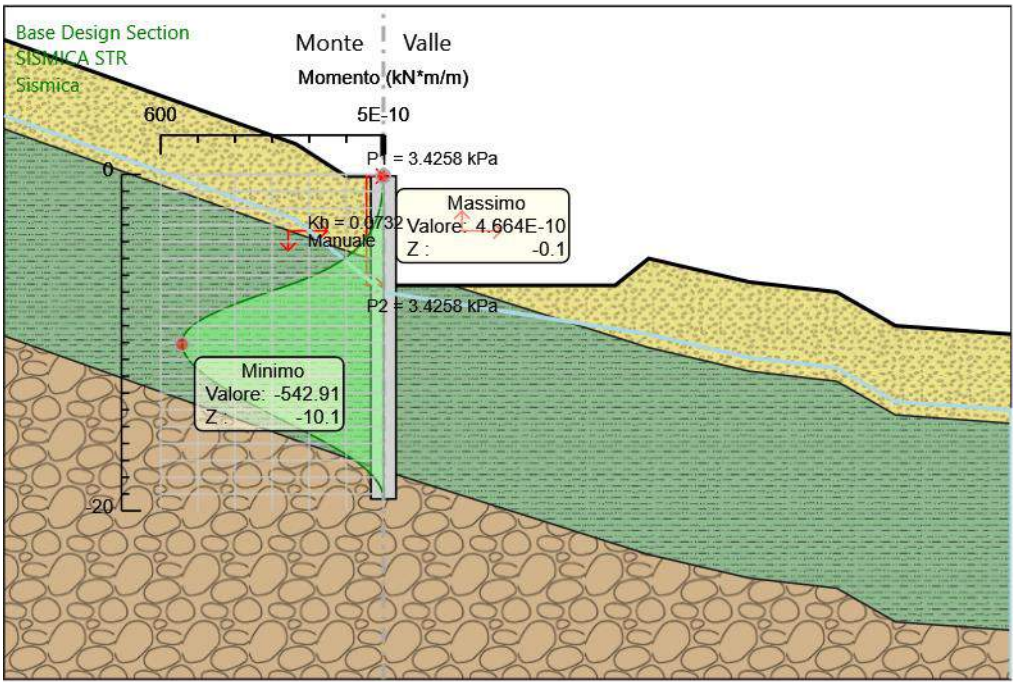
Design Assumption: SISMICA STR
Stage: Stage 5-Scavo H=4m
Momento

6.4.20. Grafico Risultati Momento SISMICA STR - Stage: Stage 6-Scavo H=6.5m



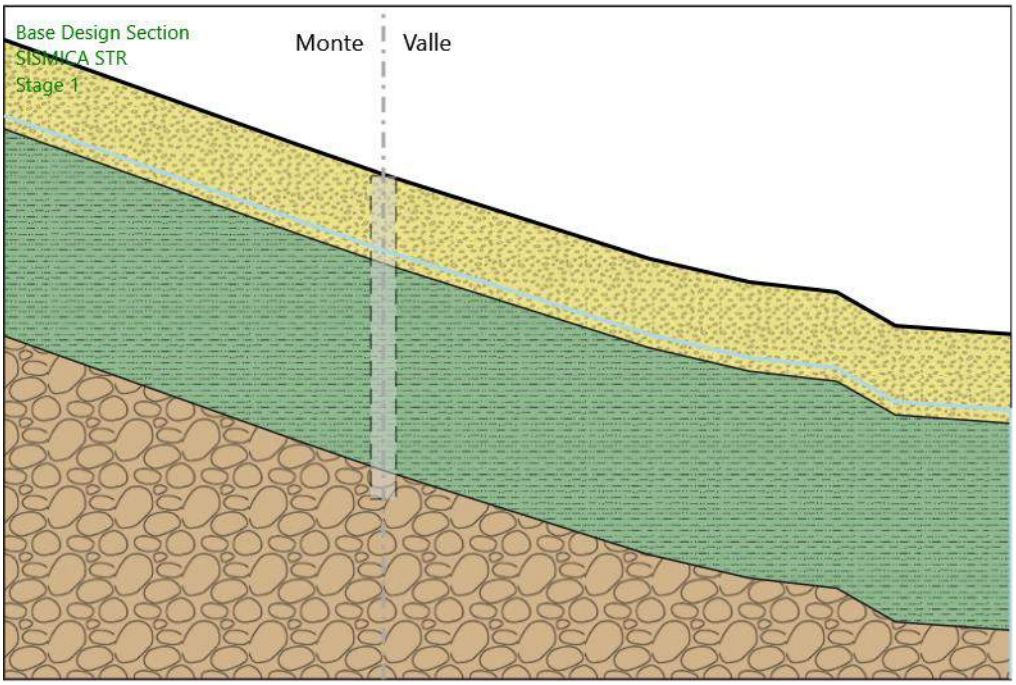
Design Assumption: SISMICA STR
Stage: Stage 6-Scavo H=6.5m
Momento

6.4.21. Grafico Risultati Momento SISMICA STR - Stage: Sismica



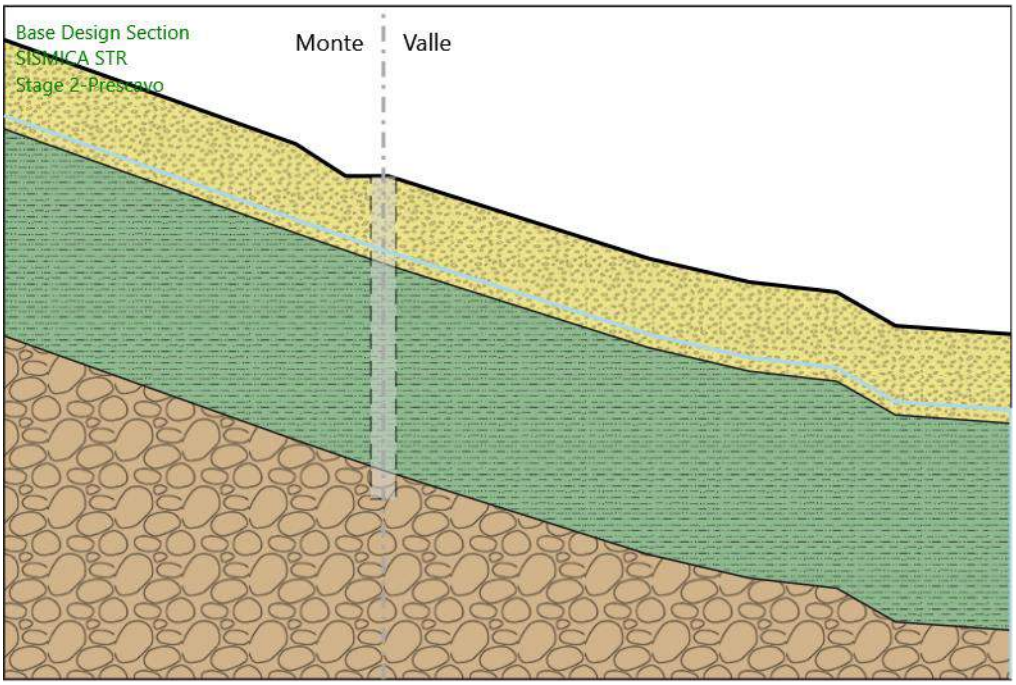
Design Assumption: SISMICA STR
Stage: Sismica
Momento

6.4.22. Grafico Risultati Taglio SISMICA STR - Stage: Stage 1



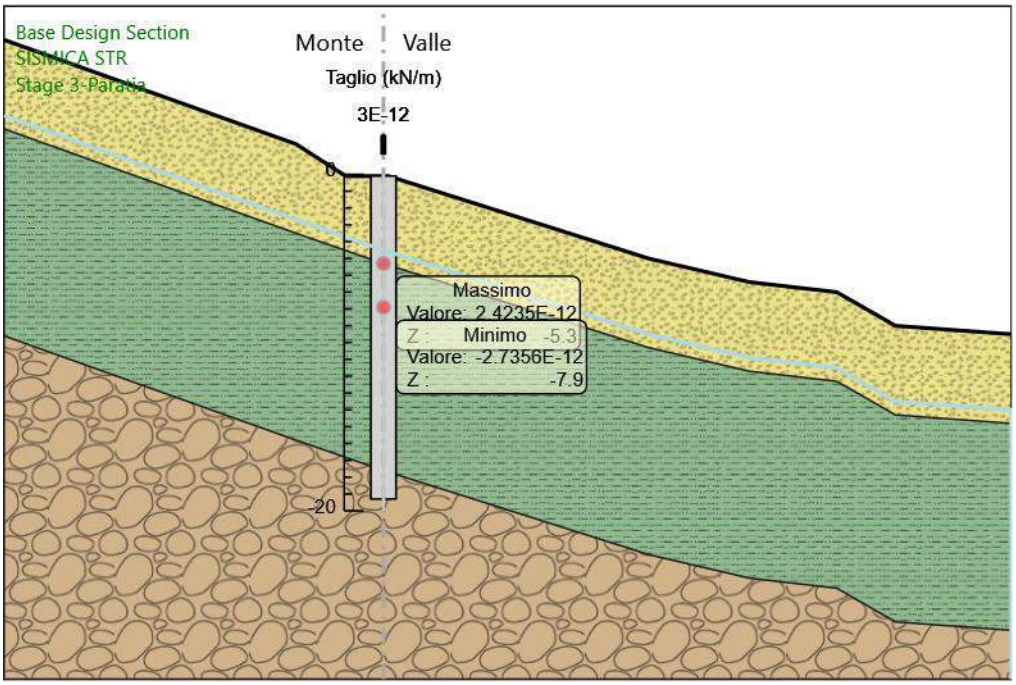
Design Assumption: SISMICA STR
Stage: Stage 1
Taglio

6.4.23. Grafico Risultati Taglio SISMICA STR - Stage: Stage 2-Prescavo



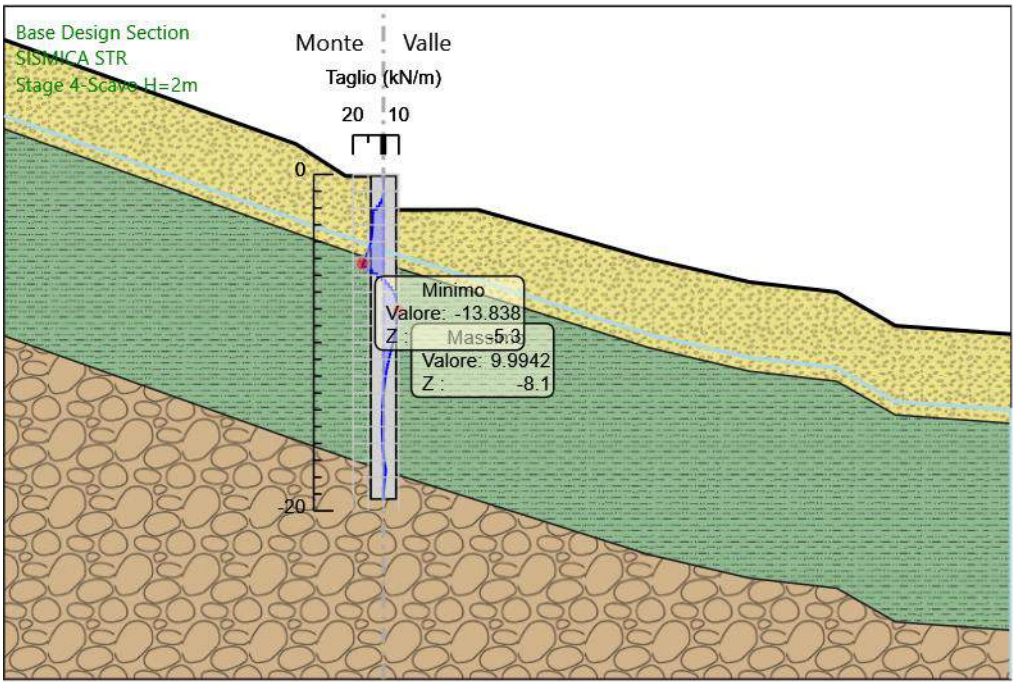
Design Assumption: SISMICA STR
Stage: Stage 2-Prescavo
Taglio

6.4.24. Grafico Risultati Taglio SISMICA STR - Stage: Stage 3-Paratia



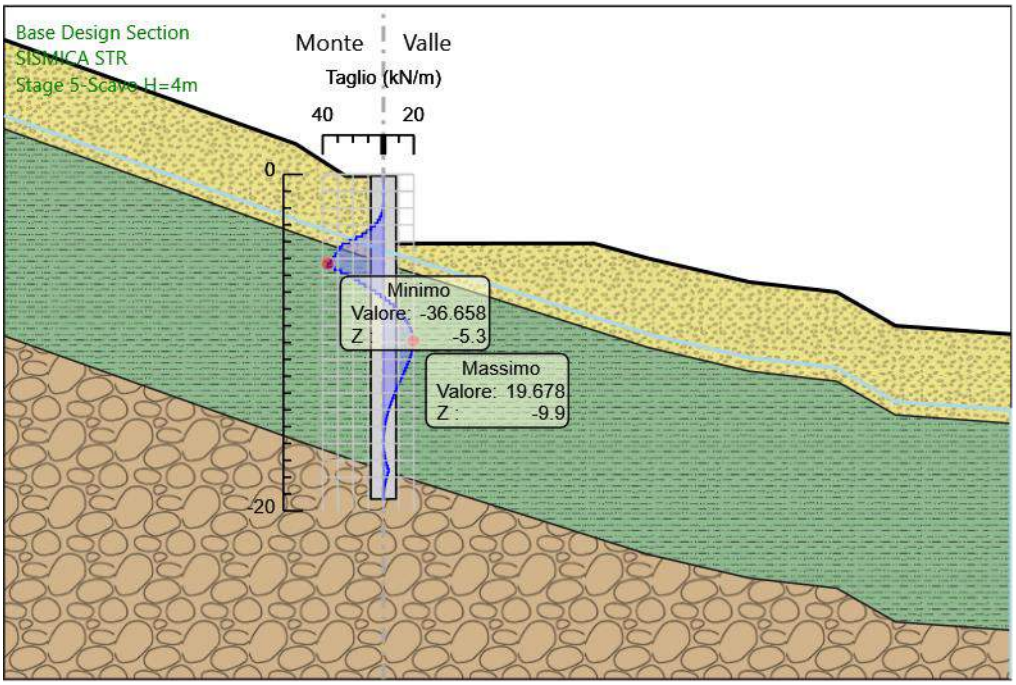
Design Assumption: SISMICA STR
Stage: Stage 3-Paratia
Taglio

6.4.25. Grafico Risultati Taglio SISMICA STR - Stage: Stage 4-Scavo H=2m



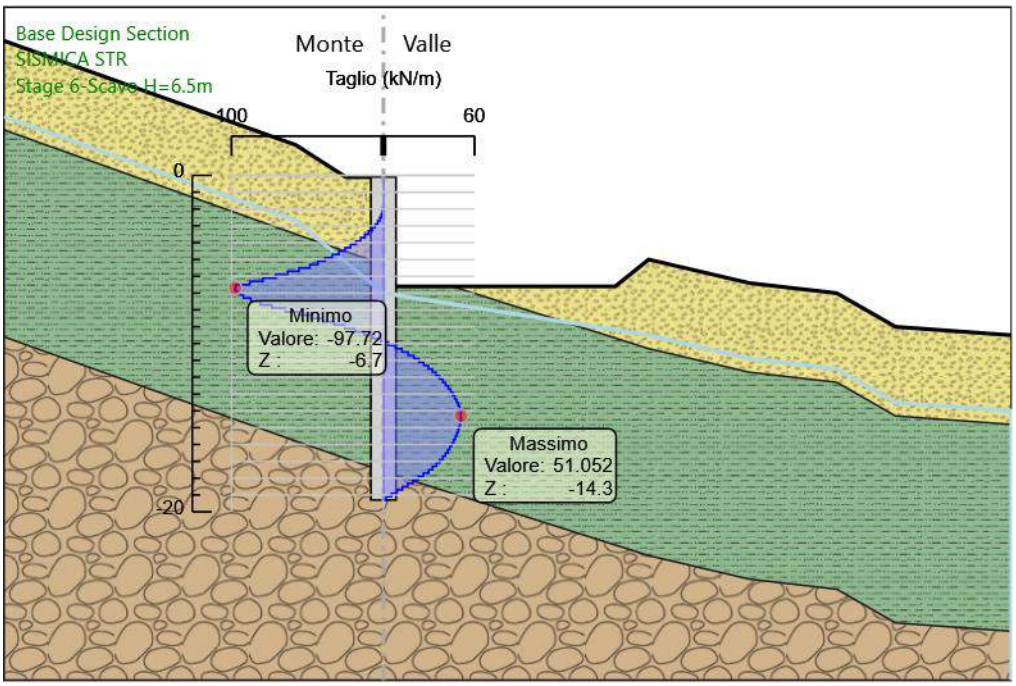
Design Assumption: SISMICA STR
Stage: Stage 4-Scavo H=2m
Taglio

6.4.26. Grafico Risultati Taglio SISMICA STR - Stage: Stage 5-Scavo H=4m



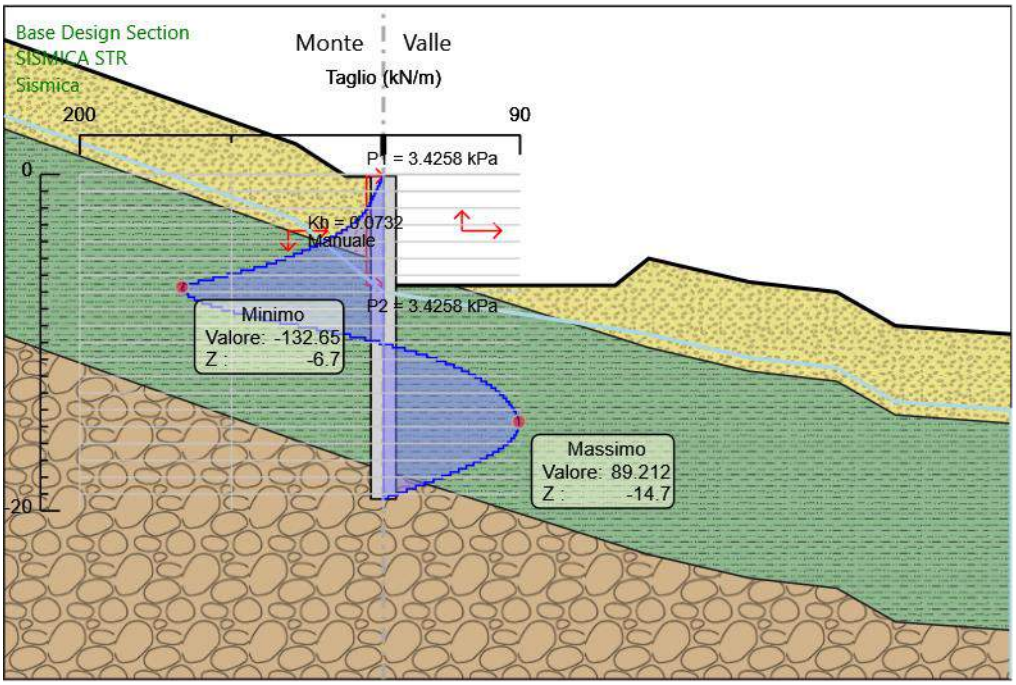
Design Assumption: SISMICA STR
Stage: Stage 5-Scavo H=4m
Taglio

6.4.27. Grafico Risultati Taglio SISMICA STR - Stage: Stage 6-Scavo H=6.5m



Design Assumption: SISMICA STR
Stage: Stage 6-Scavo H=6.5m
Taglio

6.4.28. Grafico Risultati Taglio SISMICA STR - Stage: Sismica



Design Assumption: SISMICA STR
Stage: Sismica
Taglio

6.5. Risultati SISMICA GEO

6.5.1. Tabella Risultati Paratia SISMICA GEO - Left Wall - Stage: Stage 1

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	-0.1	0	0
Stage 1	-0.3	0	0
Stage 1	-0.5	0	0
Stage 1	-0.7	0	0
Stage 1	-0.9	0	0
Stage 1	-1.1	0	0
Stage 1	-1.3	0	0
Stage 1	-1.5	0	0
Stage 1	-1.7	0	0
Stage 1	-1.9	0	0
Stage 1	-2.1	0	0
Stage 1	-2.3	0	0
Stage 1	-2.5	0	0
Stage 1	-2.7	0	0
Stage 1	-2.9	0	0
Stage 1	-3.1	0	0
Stage 1	-3.3	0	0
Stage 1	-3.5	0	0
Stage 1	-3.7	0	0
Stage 1	-3.9	0	0
Stage 1	-4.1	0	0
Stage 1	-4.3	0	0
Stage 1	-4.5	0	0
Stage 1	-4.7	0	0
Stage 1	-4.9	0	0
Stage 1	-5.1	0	0
Stage 1	-5.3	0	0
Stage 1	-5.5	0	0
Stage 1	-5.7	0	0
Stage 1	-5.9	0	0
Stage 1	-6.1	0	0
Stage 1	-6.3	0	0
Stage 1	-6.5	0	0
Stage 1	-6.7	0	0
Stage 1	-6.9	0	0
Stage 1	-7.1	0	0
Stage 1	-7.3	0	0
Stage 1	-7.5	0	0
Stage 1	-7.7	0	0
Stage 1	-7.9	0	0
Stage 1	-8.1	0	0
Stage 1	-8.3	0	0
Stage 1	-8.5	0	0
Stage 1	-8.7	0	0
Stage 1	-8.9	0	0
Stage 1	-9.1	0	0
Stage 1	-9.3	0	0
Stage 1	-9.5	0	0
Stage 1	-9.7	0	0
Stage 1	-9.9	0	0
Stage 1	-10.1	0	0
Stage 1	-10.3	0	0
Stage 1	-10.5	0	0
Stage 1	-10.7	0	0
Stage 1	-10.9	0	0
Stage 1	-11.1	0	0
Stage 1	-11.3	0	0
Stage 1	-11.5	0	0
Stage 1	-11.7	0	0
Stage 1	-11.9	0	0
Stage 1	-12.1	0	0
Stage 1	-12.3	0	0
Stage 1	-12.5	0	0
Stage 1	-12.7	0	0

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	-12.9	0	0
Stage 1	-13.1	0	0
Stage 1	-13.3	0	0
Stage 1	-13.5	0	0
Stage 1	-13.7	0	0
Stage 1	-13.9	0	0
Stage 1	-14.1	0	0
Stage 1	-14.3	0	0
Stage 1	-14.5	0	0
Stage 1	-14.7	0	0
Stage 1	-14.9	0	0
Stage 1	-15.1	0	0
Stage 1	-15.3	0	0
Stage 1	-15.5	0	0
Stage 1	-15.7	0	0
Stage 1	-15.9	0	0
Stage 1	-16.1	0	0
Stage 1	-16.3	0	0
Stage 1	-16.5	0	0
Stage 1	-16.7	0	0
Stage 1	-16.9	0	0
Stage 1	-17.1	0	0
Stage 1	-17.3	0	0
Stage 1	-17.5	0	0
Stage 1	-17.7	0	0
Stage 1	-17.9	0	0
Stage 1	-18.1	0	0
Stage 1	-18.3	0	0
Stage 1	-18.5	0	0
Stage 1	-18.7	0	0
Stage 1	-18.9	0	0
Stage 1	-19.1	0	0
Stage 1	-19.3	0	0

6.5.2. Tabella Risultati Paratia SISMICA GEO - Left Wall - Stage: Stage 2-Prescavo

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2-Prescavo	-0.1	0	0
Stage 2-Prescavo	-0.3	0	0
Stage 2-Prescavo	-0.5	0	0
Stage 2-Prescavo	-0.7	0	0
Stage 2-Prescavo	-0.9	0	0
Stage 2-Prescavo	-1.1	0	0
Stage 2-Prescavo	-1.3	0	0
Stage 2-Prescavo	-1.5	0	0
Stage 2-Prescavo	-1.7	0	0
Stage 2-Prescavo	-1.9	0	0
Stage 2-Prescavo	-2.1	0	0
Stage 2-Prescavo	-2.3	0	0
Stage 2-Prescavo	-2.5	0	0
Stage 2-Prescavo	-2.7	0	0
Stage 2-Prescavo	-2.9	0	0
Stage 2-Prescavo	-3.1	0	0
Stage 2-Prescavo	-3.3	0	0
Stage 2-Prescavo	-3.5	0	0
Stage 2-Prescavo	-3.7	0	0
Stage 2-Prescavo	-3.9	0	0
Stage 2-Prescavo	-4.1	0	0
Stage 2-Prescavo	-4.3	0	0
Stage 2-Prescavo	-4.5	0	0
Stage 2-Prescavo	-4.7	0	0
Stage 2-Prescavo	-4.9	0	0
Stage 2-Prescavo	-5.1	0	0
Stage 2-Prescavo	-5.3	0	0
Stage 2-Prescavo	-5.5	0	0
Stage 2-Prescavo	-5.7	0	0
Stage 2-Prescavo	-5.9	0	0
Stage 2-Prescavo	-6.1	0	0
Stage 2-Prescavo	-6.3	0	0
Stage 2-Prescavo	-6.5	0	0
Stage 2-Prescavo	-6.7	0	0
Stage 2-Prescavo	-6.9	0	0
Stage 2-Prescavo	-7.1	0	0
Stage 2-Prescavo	-7.3	0	0
Stage 2-Prescavo	-7.5	0	0
Stage 2-Prescavo	-7.7	0	0
Stage 2-Prescavo	-7.9	0	0
Stage 2-Prescavo	-8.1	0	0
Stage 2-Prescavo	-8.3	0	0
Stage 2-Prescavo	-8.5	0	0
Stage 2-Prescavo	-8.7	0	0
Stage 2-Prescavo	-8.9	0	0
Stage 2-Prescavo	-9.1	0	0
Stage 2-Prescavo	-9.3	0	0
Stage 2-Prescavo	-9.5	0	0
Stage 2-Prescavo	-9.7	0	0
Stage 2-Prescavo	-9.9	0	0
Stage 2-Prescavo	-10.1	0	0
Stage 2-Prescavo	-10.3	0	0
Stage 2-Prescavo	-10.5	0	0
Stage 2-Prescavo	-10.7	0	0
Stage 2-Prescavo	-10.9	0	0
Stage 2-Prescavo	-11.1	0	0
Stage 2-Prescavo	-11.3	0	0
Stage 2-Prescavo	-11.5	0	0
Stage 2-Prescavo	-11.7	0	0
Stage 2-Prescavo	-11.9	0	0
Stage 2-Prescavo	-12.1	0	0
Stage 2-Prescavo	-12.3	0	0
Stage 2-Prescavo	-12.5	0	0
Stage 2-Prescavo	-12.7	0	0
Stage 2-Prescavo	-12.9	0	0
Stage 2-Prescavo	-13.1	0	0
Stage 2-Prescavo	-13.3	0	0

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2-Prescavo	-13.5	0	0
Stage 2-Prescavo	-13.7	0	0
Stage 2-Prescavo	-13.9	0	0
Stage 2-Prescavo	-14.1	0	0
Stage 2-Prescavo	-14.3	0	0
Stage 2-Prescavo	-14.5	0	0
Stage 2-Prescavo	-14.7	0	0
Stage 2-Prescavo	-14.9	0	0
Stage 2-Prescavo	-15.1	0	0
Stage 2-Prescavo	-15.3	0	0
Stage 2-Prescavo	-15.5	0	0
Stage 2-Prescavo	-15.7	0	0
Stage 2-Prescavo	-15.9	0	0
Stage 2-Prescavo	-16.1	0	0
Stage 2-Prescavo	-16.3	0	0
Stage 2-Prescavo	-16.5	0	0
Stage 2-Prescavo	-16.7	0	0
Stage 2-Prescavo	-16.9	0	0
Stage 2-Prescavo	-17.1	0	0
Stage 2-Prescavo	-17.3	0	0
Stage 2-Prescavo	-17.5	0	0
Stage 2-Prescavo	-17.7	0	0
Stage 2-Prescavo	-17.9	0	0
Stage 2-Prescavo	-18.1	0	0
Stage 2-Prescavo	-18.3	0	0
Stage 2-Prescavo	-18.5	0	0
Stage 2-Prescavo	-18.7	0	0
Stage 2-Prescavo	-18.9	0	0
Stage 2-Prescavo	-19.1	0	0
Stage 2-Prescavo	-19.3	0	0

6.5.3. Tabella Risultati Paratia SISMICA GEO - Left Wall - Stage: Stage 3-Paratia

Design Assumption: SISMICA GEO Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-0.1	0	0
Stage 3-Paratia	-0.3	0	0
Stage 3-Paratia	-0.5	0	0
Stage 3-Paratia	-0.7	0	0
Stage 3-Paratia	-0.9	0	0
Stage 3-Paratia	-1.1	0	0
Stage 3-Paratia	-1.3	0	0
Stage 3-Paratia	-1.5	0	0
Stage 3-Paratia	-1.7	0	0
Stage 3-Paratia	-1.9	0	0
Stage 3-Paratia	-2.1	0	0
Stage 3-Paratia	-2.3	0	0
Stage 3-Paratia	-2.5	0	0
Stage 3-Paratia	-2.7	0	0
Stage 3-Paratia	-2.9	0	0
Stage 3-Paratia	-3.1	0	0
Stage 3-Paratia	-3.3	0	0
Stage 3-Paratia	-3.5	0	0
Stage 3-Paratia	-3.7	0	0
Stage 3-Paratia	-3.9	0	0
Stage 3-Paratia	-4.1	0	0
Stage 3-Paratia	-4.3	0	0
Stage 3-Paratia	-4.3	0	0
Stage 3-Paratia	-4.5	0	0
Stage 3-Paratia	-4.5	0	0
Stage 3-Paratia	-4.7	0	0
Stage 3-Paratia	-4.7	0	0
Stage 3-Paratia	-4.9	0	0
Stage 3-Paratia	-4.9	0	0
Stage 3-Paratia	-5.1	0	0
Stage 3-Paratia	-5.1	0	0
Stage 3-Paratia	-5.3	0	0
Stage 3-Paratia	-5.3	0	0
Stage 3-Paratia	-5.5	0	0
Stage 3-Paratia	-5.5	0	0
Stage 3-Paratia	-5.7	0	0
Stage 3-Paratia	-5.7	0	0
Stage 3-Paratia	-5.9	0	0
Stage 3-Paratia	-5.9	0	0
Stage 3-Paratia	-6.1	0	0
Stage 3-Paratia	-6.1	0	0
Stage 3-Paratia	-6.3	0	0
Stage 3-Paratia	-6.3	0	0
Stage 3-Paratia	-6.5	0	0
Stage 3-Paratia	-6.5	0	0
Stage 3-Paratia	-6.7	0	0
Stage 3-Paratia	-6.7	0	0
Stage 3-Paratia	-6.9	0	0
Stage 3-Paratia	-6.9	0	0
Stage 3-Paratia	-7.1	0	0
Stage 3-Paratia	-7.1	0	0
Stage 3-Paratia	-7.3	0	0
Stage 3-Paratia	-7.3	0	0
Stage 3-Paratia	-7.5	0	0
Stage 3-Paratia	-7.5	0	0
Stage 3-Paratia	-7.7	0	0
Stage 3-Paratia	-7.7	0	0
Stage 3-Paratia	-7.9	0	0
Stage 3-Paratia	-7.9	0	0
Stage 3-Paratia	-8.1	0	0
Stage 3-Paratia	-8.1	0	0
Stage 3-Paratia	-8.3	0	0
Stage 3-Paratia	-8.3	0	0
Stage 3-Paratia	-8.5	0	0
Stage 3-Paratia	-8.5	0	0
Stage 3-Paratia	-8.7	0	0
Stage 3-Paratia	-8.7	0	0

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-8.9	0	0
Stage 3-Paratia	-8.9	0	0
Stage 3-Paratia	-9.1	0	0
Stage 3-Paratia	-9.1	0	0
Stage 3-Paratia	-9.3	0	0
Stage 3-Paratia	-9.3	0	0
Stage 3-Paratia	-9.5	0	0
Stage 3-Paratia	-9.5	0	0
Stage 3-Paratia	-9.7	0	0
Stage 3-Paratia	-9.7	0	0
Stage 3-Paratia	-9.9	0	0
Stage 3-Paratia	-9.9	0	0
Stage 3-Paratia	-10.1	0	0
Stage 3-Paratia	-10.1	0	0
Stage 3-Paratia	-10.3	0	0
Stage 3-Paratia	-10.3	0	0
Stage 3-Paratia	-10.5	0	0
Stage 3-Paratia	-10.5	0	0
Stage 3-Paratia	-10.7	0	0
Stage 3-Paratia	-10.7	0	0
Stage 3-Paratia	-10.9	0	0
Stage 3-Paratia	-10.9	0	0
Stage 3-Paratia	-11.1	0	0
Stage 3-Paratia	-11.1	0	0
Stage 3-Paratia	-11.3	0	0
Stage 3-Paratia	-11.3	0	0
Stage 3-Paratia	-11.5	0	0
Stage 3-Paratia	-11.5	0	0
Stage 3-Paratia	-11.7	0	0
Stage 3-Paratia	-11.7	0	0
Stage 3-Paratia	-11.9	0	0
Stage 3-Paratia	-11.9	0	0
Stage 3-Paratia	-12.1	0	0
Stage 3-Paratia	-12.1	0	0
Stage 3-Paratia	-12.3	0	0
Stage 3-Paratia	-12.3	0	0
Stage 3-Paratia	-12.5	0	0
Stage 3-Paratia	-12.5	0	0
Stage 3-Paratia	-12.7	0	0
Stage 3-Paratia	-12.7	0	0
Stage 3-Paratia	-12.9	0	0
Stage 3-Paratia	-12.9	0	0
Stage 3-Paratia	-13.1	0	0
Stage 3-Paratia	-13.1	0	0
Stage 3-Paratia	-13.3	0	0
Stage 3-Paratia	-13.3	0	0
Stage 3-Paratia	-13.5	0	0
Stage 3-Paratia	-13.5	0	0
Stage 3-Paratia	-13.7	0	0
Stage 3-Paratia	-13.7	0	0
Stage 3-Paratia	-13.9	0	0
Stage 3-Paratia	-13.9	0	0
Stage 3-Paratia	-14.1	0	0
Stage 3-Paratia	-14.1	0	0
Stage 3-Paratia	-14.3	0	0
Stage 3-Paratia	-14.3	0	0
Stage 3-Paratia	-14.5	0	0
Stage 3-Paratia	-14.5	0	0
Stage 3-Paratia	-14.7	0	0
Stage 3-Paratia	-14.7	0	0
Stage 3-Paratia	-14.9	0	0
Stage 3-Paratia	-14.9	0	0
Stage 3-Paratia	-15.1	0	0
Stage 3-Paratia	-15.1	0	0
Stage 3-Paratia	-15.3	0	0
Stage 3-Paratia	-15.3	0	0
Stage 3-Paratia	-15.5	0	0
Stage 3-Paratia	-15.5	0	0
Stage 3-Paratia	-15.7	0	0
Stage 3-Paratia	-15.7	0	0
Stage 3-Paratia	-15.9	0	0

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-15.9	0	0
Stage 3-Paratia	-16.1	0	0
Stage 3-Paratia	-16.1	0	0
Stage 3-Paratia	-16.3	0	0
Stage 3-Paratia	-16.3	0	0
Stage 3-Paratia	-16.5	0	0
Stage 3-Paratia	-16.5	0	0
Stage 3-Paratia	-16.7	0	0
Stage 3-Paratia	-16.7	0	0
Stage 3-Paratia	-16.9	0	0
Stage 3-Paratia	-16.9	0	0
Stage 3-Paratia	-17.1	0	0
Stage 3-Paratia	-17.1	0	0
Stage 3-Paratia	-17.3	0	0
Stage 3-Paratia	-17.3	0	0
Stage 3-Paratia	-17.5	0	0
Stage 3-Paratia	-17.5	0	0
Stage 3-Paratia	-17.7	0	0
Stage 3-Paratia	-17.7	0	0
Stage 3-Paratia	-17.9	0	0
Stage 3-Paratia	-17.9	0	0
Stage 3-Paratia	-18.1	0	0
Stage 3-Paratia	-18.1	0	0
Stage 3-Paratia	-18.3	0	0
Stage 3-Paratia	-18.3	0	0
Stage 3-Paratia	-18.5	0	0
Stage 3-Paratia	-18.5	0	0
Stage 3-Paratia	-18.7	0	0
Stage 3-Paratia	-18.7	0	0
Stage 3-Paratia	-18.9	0	0
Stage 3-Paratia	-18.9	0	0
Stage 3-Paratia	-19.1	0	0
Stage 3-Paratia	-19.1	0	0
Stage 3-Paratia	-19.3	0	0

6.5.4. Tabella Risultati Paratia SISMICA GEO - Left Wall - Stage: Stage 4-Scavo H=2m

Design Assumption: SISMICA GEO Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=2m	-0.1	0	0
Stage 4-Scavo H=2m	-0.3	0	0
Stage 4-Scavo H=2m	-0.3	0	0
Stage 4-Scavo H=2m	-0.5	0	0
Stage 4-Scavo H=2m	-0.5	0	0
Stage 4-Scavo H=2m	-0.7	0	0
Stage 4-Scavo H=2m	-0.7	0	0
Stage 4-Scavo H=2m	-0.9	0	0
Stage 4-Scavo H=2m	-0.9	0	0
Stage 4-Scavo H=2m	-1.1	0	0
Stage 4-Scavo H=2m	-1.1	0	0
Stage 4-Scavo H=2m	-1.3	0	-0.01
Stage 4-Scavo H=2m	-1.5	-0.09	-0.46
Stage 4-Scavo H=2m	-1.7	-0.36	-1.35
Stage 4-Scavo H=2m	-1.9	-0.9	-2.68
Stage 4-Scavo H=2m	-2.1	-1.79	-4.45
Stage 4-Scavo H=2m	-2.3	-3.12	-6.67
Stage 4-Scavo H=2m	-2.5	-4.42	-6.51
Stage 4-Scavo H=2m	-2.7	-5.67	-6.23
Stage 4-Scavo H=2m	-2.9	-6.85	-5.93
Stage 4-Scavo H=2m	-3.1	-7.98	-5.64
Stage 4-Scavo H=2m	-3.3	-9.06	-5.41
Stage 4-Scavo H=2m	-3.5	-10.11	-5.23
Stage 4-Scavo H=2m	-3.7	-11.13	-5.12
Stage 4-Scavo H=2m	-3.9	-12.15	-5.08
Stage 4-Scavo H=2m	-4.1	-13.17	-5.13
Stage 4-Scavo H=2m	-4.3	-14.23	-5.26
Stage 4-Scavo H=2m	-4.5	-15.32	-5.47
Stage 4-Scavo H=2m	-4.7	-16.47	-5.76
Stage 4-Scavo H=2m	-4.9	-17.7	-6.14
Stage 4-Scavo H=2m	-5.1	-19.02	-6.62
Stage 4-Scavo H=2m	-5.3	-20.46	-7.18
Stage 4-Scavo H=2m	-5.5	-22.03	-7.83
Stage 4-Scavo H=2m	-5.7	-23.32	-6.46
Stage 4-Scavo H=2m	-5.9	-24.35	-5.17
Stage 4-Scavo H=2m	-6.1	-25.15	-3.97
Stage 4-Scavo H=2m	-6.3	-25.71	-2.84
Stage 4-Scavo H=2m	-6.5	-26.07	-1.78
Stage 4-Scavo H=2m	-6.7	-26.23	-0.79
Stage 4-Scavo H=2m	-6.9	-26.2	0.14
Stage 4-Scavo H=2m	-7.1	-25.99	1.01
Stage 4-Scavo H=2m	-7.3	-25.63	1.83
Stage 4-Scavo H=2m	-7.5	-25.11	2.59
Stage 4-Scavo H=2m	-7.7	-24.45	3.31
Stage 4-Scavo H=2m	-7.9	-23.65	4
Stage 4-Scavo H=2m	-8.1	-22.74	4.57
Stage 4-Scavo H=2m	-8.3	-21.73	5.01
Stage 4-Scavo H=2m	-8.5	-20.66	5.35
Stage 4-Scavo H=2m	-8.7	-19.55	5.59
Stage 4-Scavo H=2m	-8.9	-18.4	5.74
Stage 4-Scavo H=2m	-9.1	-17.23	5.82
Stage 4-Scavo H=2m	-9.3	-16.07	5.83
Stage 4-Scavo H=2m	-9.5	-14.91	5.78
Stage 4-Scavo H=2m	-9.7	-13.77	5.68
Stage 4-Scavo H=2m	-9.9	-12.66	5.54
Stage 4-Scavo H=2m	-10.1	-11.59	5.36
Stage 4-Scavo H=2m	-10.3	-10.56	5.15
Stage 4-Scavo H=2m	-10.5	-9.58	4.92
Stage 4-Scavo H=2m	-10.7	-8.65	4.66
Stage 4-Scavo H=2m	-10.9	-7.77	4.39
Stage 4-Scavo H=2m	-11.1	-6.95	4.11
Stage 4-Scavo H=2m	-11.3	-6.18	3.82
Stage 4-Scavo H=2m	-11.5	-5.47	3.53
Stage 4-Scavo H=2m	-11.7	-4.83	3.24
Stage 4-Scavo H=2m	-11.9	-4.23	2.96
Stage 4-Scavo H=2m	-12.1	-3.7	2.67
Stage 4-Scavo H=2m	-12.3	-3.22	2.4

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=2m	-12.5	-2.8	2.13
Stage 4-Scavo H=2m	-12.7	-2.42	1.87
Stage 4-Scavo H=2m	-12.9	-2.1	1.62
Stage 4-Scavo H=2m	-13.1	-1.82	1.39
Stage 4-Scavo H=2m	-13.3	-1.59	1.17
Stage 4-Scavo H=2m	-13.5	-1.39	0.96
Stage 4-Scavo H=2m	-13.7	-1.24	0.77
Stage 4-Scavo H=2m	-13.9	-1.12	0.6
Stage 4-Scavo H=2m	-14.1	-1.03	0.44
Stage 4-Scavo H=2m	-14.3	-0.97	0.3
Stage 4-Scavo H=2m	-14.5	-0.93	0.18
Stage 4-Scavo H=2m	-14.7	-0.92	0.07
Stage 4-Scavo H=2m	-14.9	-0.92	-0.01
Stage 4-Scavo H=2m	-15.1	-0.94	-0.08
Stage 4-Scavo H=2m	-15.3	-0.96	-0.13
Stage 4-Scavo H=2m	-15.5	-0.99	-0.16
Stage 4-Scavo H=2m	-15.7	-1.03	-0.16
Stage 4-Scavo H=2m	-15.9	-1.06	-0.15
Stage 4-Scavo H=2m	-16.1	-1.08	-0.12
Stage 4-Scavo H=2m	-16.3	-1.09	-0.06
Stage 4-Scavo H=2m	-16.5	-1.09	0.02
Stage 4-Scavo H=2m	-16.7	-1.06	0.12
Stage 4-Scavo H=2m	-16.9	-1.02	0.24
Stage 4-Scavo H=2m	-17.1	-0.94	0.39
Stage 4-Scavo H=2m	-17.3	-0.83	0.56
Stage 4-Scavo H=2m	-17.5	-0.68	0.76
Stage 4-Scavo H=2m	-17.7	-0.48	0.98
Stage 4-Scavo H=2m	-17.9	-0.33	0.77
Stage 4-Scavo H=2m	-18.1	-0.21	0.59
Stage 4-Scavo H=2m	-18.3	-0.12	0.43
Stage 4-Scavo H=2m	-18.5	-0.07	0.29
Stage 4-Scavo H=2m	-18.7	-0.03	0.18
Stage 4-Scavo H=2m	-18.9	-0.01	0.1
Stage 4-Scavo H=2m	-19.1	0	0.04
Stage 4-Scavo H=2m	-19.3	0	0

6.5.5. Tabella Risultati Paratia SISMICA GEO - Left Wall - Stage: Stage 5-Scavo H=4m

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=4m	-0.1	0	0
Stage 5-Scavo H=4m	-0.3	0	0
Stage 5-Scavo H=4m	-0.3	0	0
Stage 5-Scavo H=4m	-0.5	0	0
Stage 5-Scavo H=4m	-0.5	0	0
Stage 5-Scavo H=4m	-0.7	0	0
Stage 5-Scavo H=4m	-0.7	0	0
Stage 5-Scavo H=4m	-0.9	0	0
Stage 5-Scavo H=4m	-0.9	0	0
Stage 5-Scavo H=4m	-1.1	0	0
Stage 5-Scavo H=4m	-1.1	0	0
Stage 5-Scavo H=4m	-1.3	0	0
Stage 5-Scavo H=4m	-1.3	0	0
Stage 5-Scavo H=4m	-1.5	0	0
Stage 5-Scavo H=4m	-1.5	0	0
Stage 5-Scavo H=4m	-1.7	-0.06	-0.32
Stage 5-Scavo H=4m	-1.9	-0.26	-1
Stage 5-Scavo H=4m	-2.1	-0.67	-2.04
Stage 5-Scavo H=4m	-2.3	-1.36	-3.44
Stage 5-Scavo H=4m	-2.5	-2.4	-5.2
Stage 5-Scavo H=4m	-2.7	-3.86	-7.31
Stage 5-Scavo H=4m	-2.9	-5.82	-9.79
Stage 5-Scavo H=4m	-3.1	-8.35	-12.64
Stage 5-Scavo H=4m	-3.3	-11.51	-15.84
Stage 5-Scavo H=4m	-3.5	-15.39	-19.4
Stage 5-Scavo H=4m	-3.7	-20.06	-23.32
Stage 5-Scavo H=4m	-3.9	-25.58	-27.6
Stage 5-Scavo H=4m	-4.1	-32.02	-32.24
Stage 5-Scavo H=4m	-4.3	-39.47	-37.24
Stage 5-Scavo H=4m	-4.5	-46.94	-37.32
Stage 5-Scavo H=4m	-4.7	-54.21	-36.35
Stage 5-Scavo H=4m	-4.9	-61.29	-35.42
Stage 5-Scavo H=4m	-5.1	-68.23	-34.69
Stage 5-Scavo H=4m	-5.3	-75.07	-34.19
Stage 5-Scavo H=4m	-5.5	-81.85	-33.9
Stage 5-Scavo H=4m	-5.7	-87.76	-29.54
Stage 5-Scavo H=4m	-5.9	-92.8	-25.23
Stage 5-Scavo H=4m	-6.1	-97.04	-21.19
Stage 5-Scavo H=4m	-6.3	-100.52	-17.4
Stage 5-Scavo H=4m	-6.5	-103.29	-13.86
Stage 5-Scavo H=4m	-6.7	-105.4	-10.56
Stage 5-Scavo H=4m	-6.9	-106.9	-7.49
Stage 5-Scavo H=4m	-7.1	-107.83	-4.65
Stage 5-Scavo H=4m	-7.3	-108.23	-2.01
Stage 5-Scavo H=4m	-7.5	-108.15	0.43
Stage 5-Scavo H=4m	-7.7	-107.61	2.68
Stage 5-Scavo H=4m	-7.9	-106.66	4.75
Stage 5-Scavo H=4m	-8.1	-105.33	6.66
Stage 5-Scavo H=4m	-8.3	-103.65	8.4
Stage 5-Scavo H=4m	-8.5	-101.65	10
Stage 5-Scavo H=4m	-8.7	-99.35	11.46
Stage 5-Scavo H=4m	-8.9	-96.8	12.79
Stage 5-Scavo H=4m	-9.1	-93.99	14.01
Stage 5-Scavo H=4m	-9.3	-90.97	15.11
Stage 5-Scavo H=4m	-9.5	-87.75	16.12
Stage 5-Scavo H=4m	-9.7	-84.34	17.03
Stage 5-Scavo H=4m	-9.9	-80.77	17.86
Stage 5-Scavo H=4m	-10.1	-77.05	18.62
Stage 5-Scavo H=4m	-10.3	-73.22	19.16
Stage 5-Scavo H=4m	-10.5	-69.32	19.5
Stage 5-Scavo H=4m	-10.7	-65.38	19.66
Stage 5-Scavo H=4m	-10.9	-61.45	19.67
Stage 5-Scavo H=4m	-11.1	-57.54	19.54
Stage 5-Scavo H=4m	-11.3	-53.69	19.28
Stage 5-Scavo H=4m	-11.5	-49.9	18.92
Stage 5-Scavo H=4m	-11.7	-46.21	18.47
Stage 5-Scavo H=4m	-11.9	-42.62	17.94

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=4m	-12.1	-39.15	17.35
Stage 5-Scavo H=4m	-12.3	-35.81	16.69
Stage 5-Scavo H=4m	-12.5	-32.61	16
Stage 5-Scavo H=4m	-12.7	-29.56	15.27
Stage 5-Scavo H=4m	-12.9	-26.65	14.51
Stage 5-Scavo H=4m	-13.1	-23.91	13.74
Stage 5-Scavo H=4m	-13.3	-21.31	12.95
Stage 5-Scavo H=4m	-13.5	-18.88	12.16
Stage 5-Scavo H=4m	-13.7	-16.61	11.37
Stage 5-Scavo H=4m	-13.9	-14.49	10.59
Stage 5-Scavo H=4m	-14.1	-12.53	9.81
Stage 5-Scavo H=4m	-14.3	-10.72	9.04
Stage 5-Scavo H=4m	-14.5	-9.06	8.29
Stage 5-Scavo H=4m	-14.7	-7.55	7.55
Stage 5-Scavo H=4m	-14.9	-6.19	6.83
Stage 5-Scavo H=4m	-15.1	-4.96	6.13
Stage 5-Scavo H=4m	-15.3	-3.87	5.45
Stage 5-Scavo H=4m	-15.5	-2.91	4.8
Stage 5-Scavo H=4m	-15.7	-2.08	4.18
Stage 5-Scavo H=4m	-15.9	-1.36	3.58
Stage 5-Scavo H=4m	-16.1	-0.76	3.01
Stage 5-Scavo H=4m	-16.3	-0.26	2.47
Stage 5-Scavo H=4m	-16.5	0.13	1.96
Stage 5-Scavo H=4m	-16.7	0.42	1.47
Stage 5-Scavo H=4m	-16.9	0.63	1.02
Stage 5-Scavo H=4m	-17.1	0.75	0.6
Stage 5-Scavo H=4m	-17.3	0.79	0.21
Stage 5-Scavo H=4m	-17.5	0.76	-0.16
Stage 5-Scavo H=4m	-17.7	0.66	-0.49
Stage 5-Scavo H=4m	-17.9	0.55	-0.54
Stage 5-Scavo H=4m	-18.1	0.44	-0.56
Stage 5-Scavo H=4m	-18.3	0.33	-0.55
Stage 5-Scavo H=4m	-18.5	0.23	-0.51
Stage 5-Scavo H=4m	-18.7	0.14	-0.45
Stage 5-Scavo H=4m	-18.9	0.06	-0.36
Stage 5-Scavo H=4m	-19.1	0.02	-0.24
Stage 5-Scavo H=4m	-19.3	0	-0.09

6.5.6. Tabella Risultati Paratia SISMICA GEO - Left Wall - Stage: Stage 6-Scavo H=6.5m

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=6.5m	-0.1	0	0
Stage 6-Scavo H=6.5m	-0.3	0	0
Stage 6-Scavo H=6.5m	-0.3	0	0
Stage 6-Scavo H=6.5m	-0.5	0	0
Stage 6-Scavo H=6.5m	-0.5	0	0
Stage 6-Scavo H=6.5m	-0.7	0	0
Stage 6-Scavo H=6.5m	-0.7	0	0
Stage 6-Scavo H=6.5m	-0.9	0	0
Stage 6-Scavo H=6.5m	-0.9	0	0
Stage 6-Scavo H=6.5m	-1.1	0	0
Stage 6-Scavo H=6.5m	-1.1	0	0
Stage 6-Scavo H=6.5m	-1.3	0	0
Stage 6-Scavo H=6.5m	-1.3	0	0
Stage 6-Scavo H=6.5m	-1.5	0	0
Stage 6-Scavo H=6.5m	-1.5	0	0
Stage 6-Scavo H=6.5m	-1.7	-0.06	-0.32
Stage 6-Scavo H=6.5m	-1.9	-0.26	-1
Stage 6-Scavo H=6.5m	-2.1	-0.67	-2.04
Stage 6-Scavo H=6.5m	-2.3	-1.36	-3.44
Stage 6-Scavo H=6.5m	-2.5	-2.4	-5.2
Stage 6-Scavo H=6.5m	-2.7	-3.86	-7.31
Stage 6-Scavo H=6.5m	-2.9	-5.82	-9.79
Stage 6-Scavo H=6.5m	-3.1	-8.35	-12.64
Stage 6-Scavo H=6.5m	-3.3	-11.51	-15.84
Stage 6-Scavo H=6.5m	-3.5	-15.39	-19.4
Stage 6-Scavo H=6.5m	-3.7	-20.06	-23.32
Stage 6-Scavo H=6.5m	-3.9	-25.58	-27.6
Stage 6-Scavo H=6.5m	-4.1	-32.02	-32.24
Stage 6-Scavo H=6.5m	-4.3	-39.47	-37.24
Stage 6-Scavo H=6.5m	-4.5	-47.99	-42.6
Stage 6-Scavo H=6.5m	-4.7	-57.66	-48.33
Stage 6-Scavo H=6.5m	-4.9	-68.54	-54.41
Stage 6-Scavo H=6.5m	-5.1	-80.71	-60.85
Stage 6-Scavo H=6.5m	-5.3	-94.24	-67.65
Stage 6-Scavo H=6.5m	-5.5	-109.2	-74.82
Stage 6-Scavo H=6.5m	-5.7	-126.31	-85.53
Stage 6-Scavo H=6.5m	-5.9	-145.66	-96.75
Stage 6-Scavo H=6.5m	-6.1	-167.36	-108.5
Stage 6-Scavo H=6.5m	-6.3	-191.51	-120.76
Stage 6-Scavo H=6.5m	-6.5	-218.22	-133.53
Stage 6-Scavo H=6.5m	-6.7	-247.58	-146.83
Stage 6-Scavo H=6.5m	-6.9	-278.44	-154.3
Stage 6-Scavo H=6.5m	-7.1	-310.49	-160.22
Stage 6-Scavo H=6.5m	-7.3	-343.42	-164.65
Stage 6-Scavo H=6.5m	-7.5	-377.06	-168.24
Stage 6-Scavo H=6.5m	-7.7	-411.26	-171
Stage 6-Scavo H=6.5m	-7.9	-445.85	-172.92
Stage 6-Scavo H=6.5m	-8.1	-480.65	-174
Stage 6-Scavo H=6.5m	-8.3	-515.5	-174.25
Stage 6-Scavo H=6.5m	-8.5	-550.23	-173.67
Stage 6-Scavo H=6.5m	-8.7	-584.68	-172.24
Stage 6-Scavo H=6.5m	-8.9	-618.68	-169.99
Stage 6-Scavo H=6.5m	-9.1	-652.06	-166.89
Stage 6-Scavo H=6.5m	-9.3	-684.65	-162.96
Stage 6-Scavo H=6.5m	-9.5	-716.29	-158.2
Stage 6-Scavo H=6.5m	-9.7	-746.81	-152.6
Stage 6-Scavo H=6.5m	-9.9	-776.04	-146.16
Stage 6-Scavo H=6.5m	-10.1	-803.82	-138.89
Stage 6-Scavo H=6.5m	-10.3	-829.98	-130.79
Stage 6-Scavo H=6.5m	-10.5	-854.35	-121.84
Stage 6-Scavo H=6.5m	-10.7	-876.76	-112.07
Stage 6-Scavo H=6.5m	-10.9	-897.05	-101.45
Stage 6-Scavo H=6.5m	-11.1	-915.05	-90
Stage 6-Scavo H=6.5m	-11.3	-930.59	-77.72
Stage 6-Scavo H=6.5m	-11.5	-943.51	-64.6
Stage 6-Scavo H=6.5m	-11.7	-953.64	-50.64
Stage 6-Scavo H=6.5m	-11.9	-960.81	-35.85

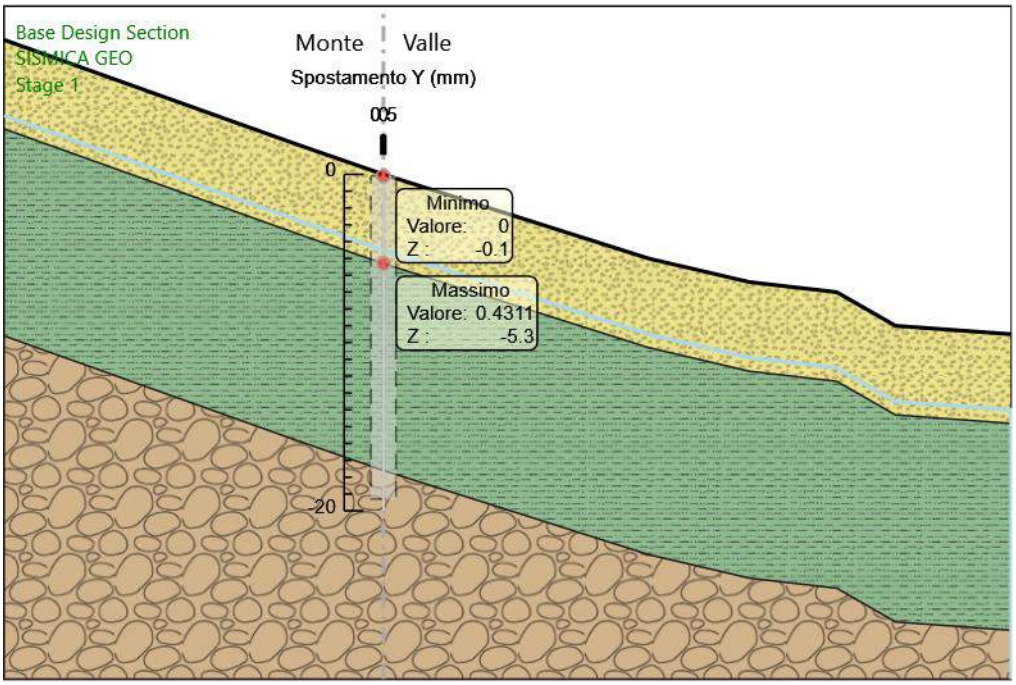
Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 6-Scavo H=6.5m	-12.1	-964.86	-20.22
Stage 6-Scavo H=6.5m	-12.3	-965.61	-3.76
Stage 6-Scavo H=6.5m	-12.5	-962.9	13.54
Stage 6-Scavo H=6.5m	-12.7	-956.56	31.67
Stage 6-Scavo H=6.5m	-12.9	-946.44	50.64
Stage 6-Scavo H=6.5m	-13.1	-932.54	69.49
Stage 6-Scavo H=6.5m	-13.3	-915.16	86.88
Stage 6-Scavo H=6.5m	-13.5	-894.59	102.86
Stage 6-Scavo H=6.5m	-13.7	-871.1	117.47
Stage 6-Scavo H=6.5m	-13.9	-844.94	130.77
Stage 6-Scavo H=6.5m	-14.1	-816.38	142.8
Stage 6-Scavo H=6.5m	-14.3	-785.66	153.6
Stage 6-Scavo H=6.5m	-14.5	-753.02	163.22
Stage 6-Scavo H=6.5m	-14.7	-718.68	171.69
Stage 6-Scavo H=6.5m	-14.9	-682.87	179.06
Stage 6-Scavo H=6.5m	-15.1	-645.8	185.36
Stage 6-Scavo H=6.5m	-15.3	-607.67	190.64
Stage 6-Scavo H=6.5m	-15.5	-568.69	194.91
Stage 6-Scavo H=6.5m	-15.7	-529.04	198.22
Stage 6-Scavo H=6.5m	-15.9	-488.93	200.59
Stage 6-Scavo H=6.5m	-16.1	-448.52	202.05
Stage 6-Scavo H=6.5m	-16.3	-407.99	202.63
Stage 6-Scavo H=6.5m	-16.5	-367.52	202.34
Stage 6-Scavo H=6.5m	-16.7	-327.28	201.22
Stage 6-Scavo H=6.5m	-16.9	-287.42	199.28
Stage 6-Scavo H=6.5m	-17.1	-248.4	195.11
Stage 6-Scavo H=6.5m	-17.3	-210.82	187.91
Stage 6-Scavo H=6.5m	-17.5	-175.41	177.03
Stage 6-Scavo H=6.5m	-17.7	-142.86	162.73
Stage 6-Scavo H=6.5m	-17.9	-112.65	151.05
Stage 6-Scavo H=6.5m	-18.1	-85.18	137.36
Stage 6-Scavo H=6.5m	-18.3	-60.85	121.68
Stage 6-Scavo H=6.5m	-18.5	-40.04	104.03
Stage 6-Scavo H=6.5m	-18.7	-23.16	84.4
Stage 6-Scavo H=6.5m	-18.9	-10.6	62.81
Stage 6-Scavo H=6.5m	-19.1	-2.75	39.25
Stage 6-Scavo H=6.5m	-19.3	0	13.74

6.5.7. Tabella Risultati Paratia SISMICA GEO - Left Wall - Stage: Sismica

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sismica	-0.1	0	-0.54
Sismica	-0.3	-0.11	-0.54
Sismica	-0.5	-0.43	-1.61
Sismica	-0.7	-0.97	-2.69
Sismica	-0.9	-1.72	-3.76
Sismica	-1.1	-2.69	-4.84
Sismica	-1.3	-3.87	-5.91
Sismica	-1.5	-5.27	-6.99
Sismica	-1.7	-6.94	-8.38
Sismica	-1.9	-8.97	-10.14
Sismica	-2.1	-11.42	-12.25
Sismica	-2.3	-14.37	-14.72
Sismica	-2.5	-17.88	-17.56
Sismica	-2.7	-22.03	-20.75
Sismica	-2.7	-22.03	-20.75
Sismica	-2.9	-26.89	-24.31
Sismica	-3.1	-32.53	-28.22
Sismica	-3.3	-39.03	-32.5
Sismica	-3.5	-46.46	-37.13
Sismica	-3.7	-54.89	-42.13
Sismica	-3.9	-64.38	-47.49
Sismica	-4.1	-75.02	-53.2
Sismica	-4.3	-86.88	-59.28
Sismica	-4.5	-100.02	-65.71
Sismica	-4.7	-114.53	-72.51
Sismica	-4.9	-130.46	-79.67
Sismica	-5.1	-147.9	-87.19
Sismica	-5.3	-166.91	-95.06
Sismica	-5.5	-187.57	-103.3
Sismica	-5.7	-210.59	-115.09
Sismica	-5.9	-236.06	-127.39
Sismica	-6.1	-264.11	-140.21
Sismica	-6.3	-294.81	-153.54
Sismica	-6.5	-328.29	-167.39
Sismica	-6.7	-364.59	-181.49
Sismica	-6.9	-402.43	-189.21
Sismica	-7.1	-441.54	-195.56
Sismica	-7.3	-481.66	-200.61
Sismica	-7.5	-522.67	-205.01
Sismica	-7.7	-564.42	-208.76
Sismica	-7.9	-606.79	-211.86
Sismica	-8.1	-649.65	-214.29
Sismica	-8.3	-692.86	-216.06
Sismica	-8.5	-736.29	-217.16
Sismica	-8.7	-779.81	-217.59
Sismica	-8.9	-823.28	-217.35
Sismica	-9.1	-866.57	-216.45
Sismica	-9.3	-909.54	-214.87
Sismica	-9.5	-952.07	-212.63
Sismica	-9.7	-994.01	-209.71
Sismica	-9.9	-1035.23	-206.12
Sismica	-10.1	-1075.61	-201.86
Sismica	-10.3	-1114.99	-196.93
Sismica	-10.5	-1153.26	-191.32
Sismica	-10.7	-1190.26	-185.04
Sismica	-10.9	-1225.88	-178.09
Sismica	-11.1	-1259.97	-170.46
Sismica	-11.3	-1292.41	-162.16
Sismica	-11.5	-1323.04	-153.19
Sismica	-11.7	-1351.76	-143.56
Sismica	-11.9	-1378.41	-133.26
Sismica	-12.1	-1402.87	-122.29
Sismica	-12.3	-1425	-110.64
Sismica	-12.5	-1444.66	-98.32
Sismica	-12.7	-1461.72	-85.33
Sismica	-12.9	-1476.06	-71.67
Sismica	-13.1	-1487.52	-57.33

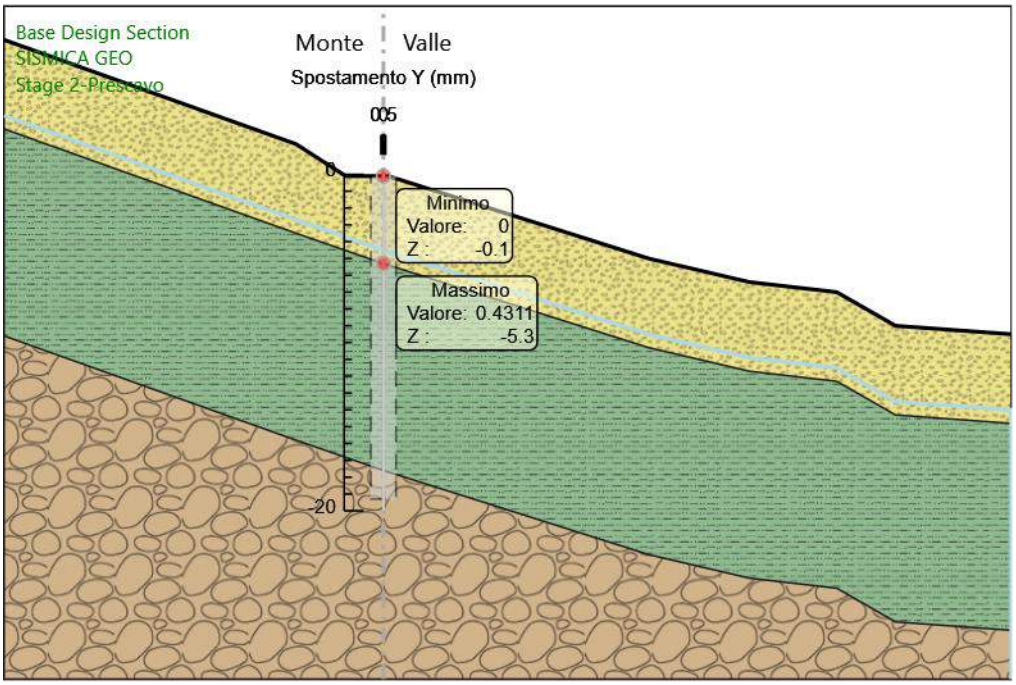
Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Sismica	-13.3	-1495.99	-42.32
Sismica	-13.5	-1501.31	-26.63
Sismica	-13.7	-1503.37	-10.28
Sismica	-13.9	-1502.02	6.75
Sismica	-14.1	-1497.13	24.46
Sismica	-14.3	-1488.56	42.83
Sismica	-14.5	-1476.18	61.88
Sismica	-14.7	-1459.86	81.6
Sismica	-14.9	-1439.46	102
Sismica	-15.1	-1414.85	123.07
Sismica	-15.3	-1385.89	144.81
Sismica	-15.5	-1352.44	167.22
Sismica	-15.7	-1314.38	190.31
Sismica	-15.9	-1271.57	214.07
Sismica	-16.1	-1223.87	238.51
Sismica	-16.3	-1171.14	263.62
Sismica	-16.5	-1113.26	289.4
Sismica	-16.7	-1050.09	315.85
Sismica	-16.9	-981.5	342.98
Sismica	-17.1	-907.34	370.78
Sismica	-17.3	-827.5	399.21
Sismica	-17.5	-741.84	428.3
Sismica	-17.7	-650.23	458.03
Sismica	-17.9	-549.59	503.17
Sismica	-18.1	-442.87	533.62
Sismica	-18.3	-332.12	553.75
Sismica	-18.5	-226.01	530.55
Sismica	-18.7	-134.9	455.54
Sismica	-18.9	-63.68	356.13
Sismica	-19.1	-17.11	232.81
Sismica	-19.3	0	85.57

6.5.8. Grafico Spostamento SISMICA GEO - Stage: Stage 1



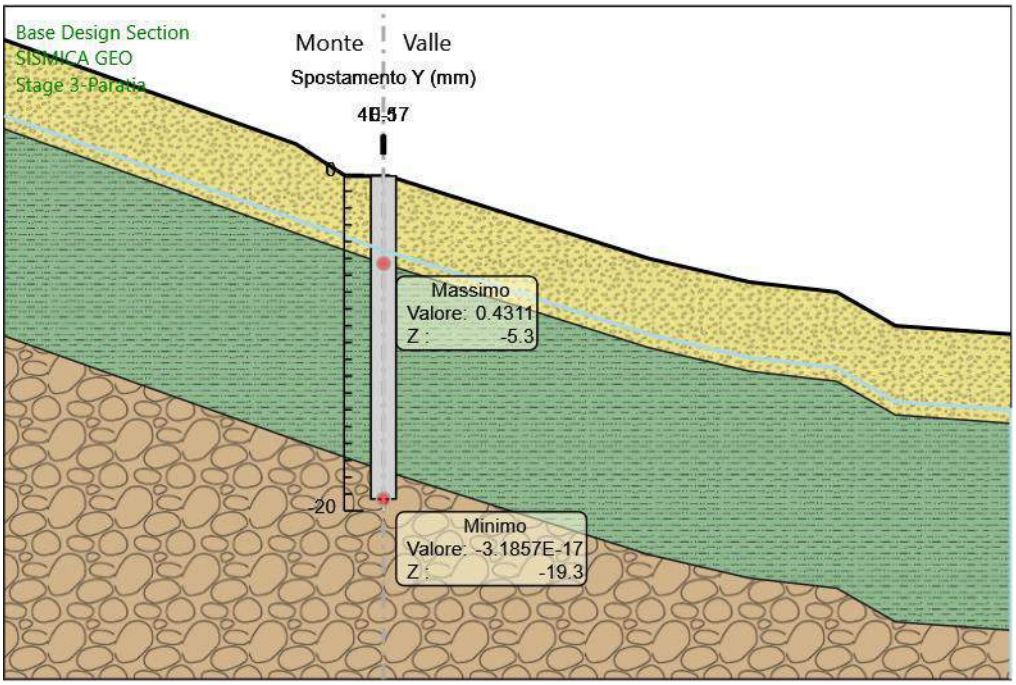
Design Assumption: SISMICA GEO
Stage: Stage 1
Spostamento orizzontale

6.5.9. Grafico Spostamento SISMICA GEO - Stage: Stage 2-Prescavo



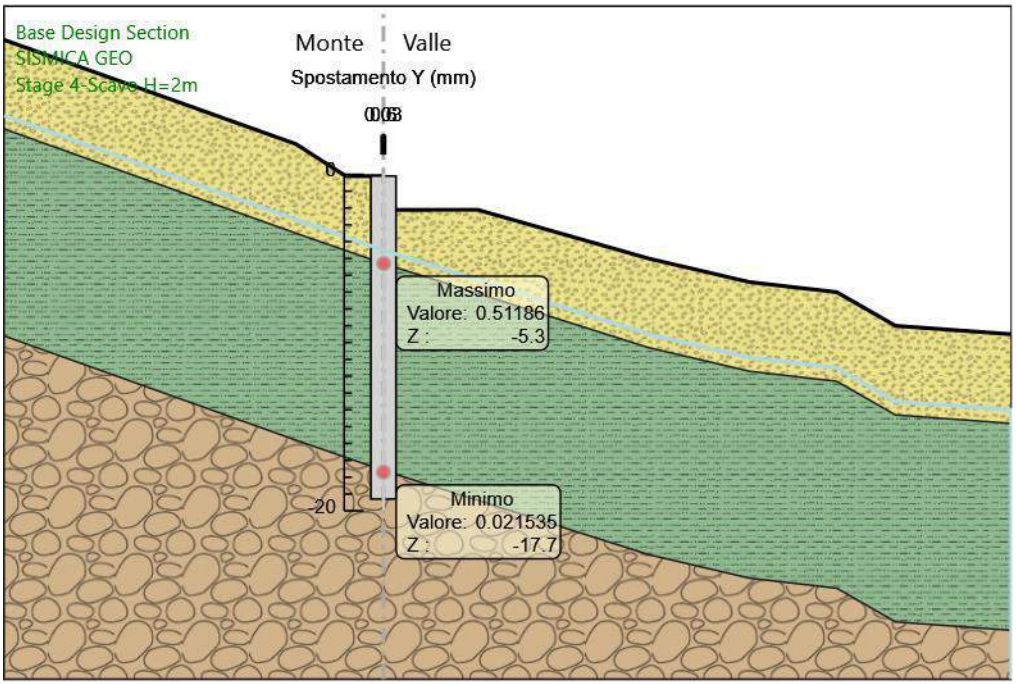
Design Assumption: SISMICA GEO
Stage: Stage 2-Prescavo
Spostamento orizzontale

6.5.10. Grafico Spostamento SISMICA GEO - Stage: Stage 3-Paratia



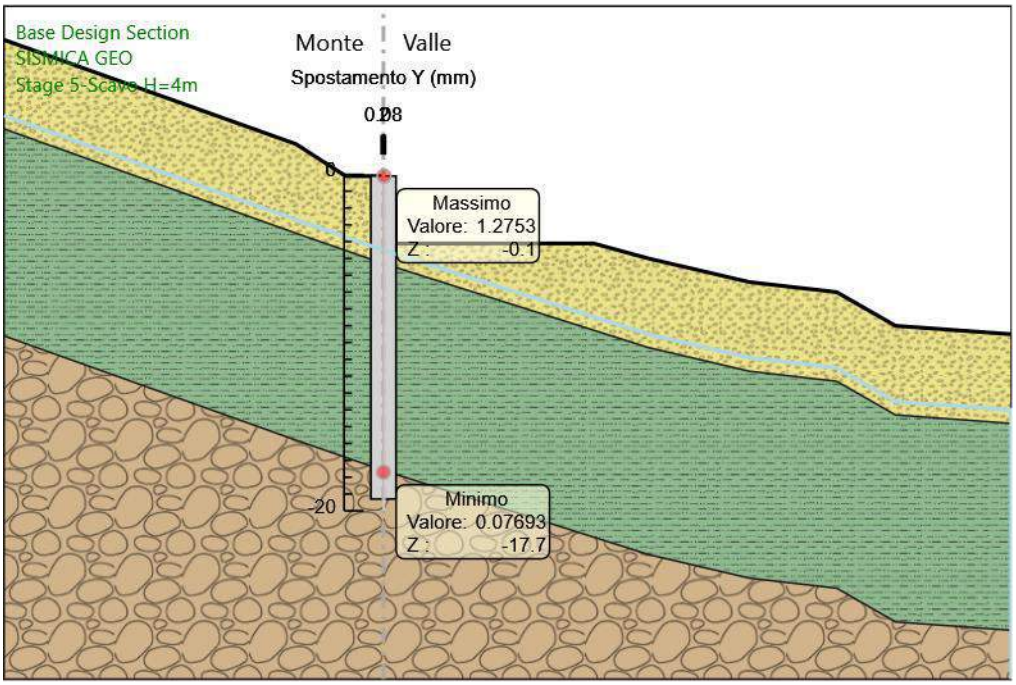
Design Assumption: SISMICA GEO
Stage: Stage 3-Paratia
Spostamento orizzontale

6.5.11. Grafico Spostamento SISMICA GEO - Stage: Stage 4-Scavo H=2m



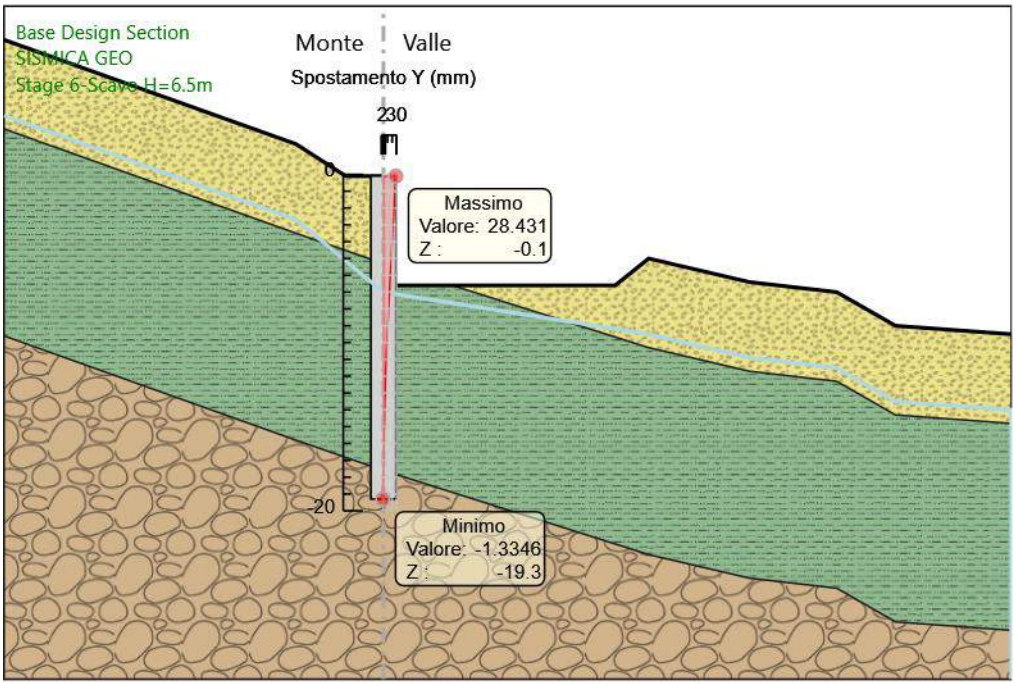
Design Assumption: SISMICA GEO
Stage: Stage 4-Scavo H=2m
Spostamento orizzontale

6.5.12. Grafico Spostamento SISMICA GEO - Stage: Stage 5-Scavo H=4m



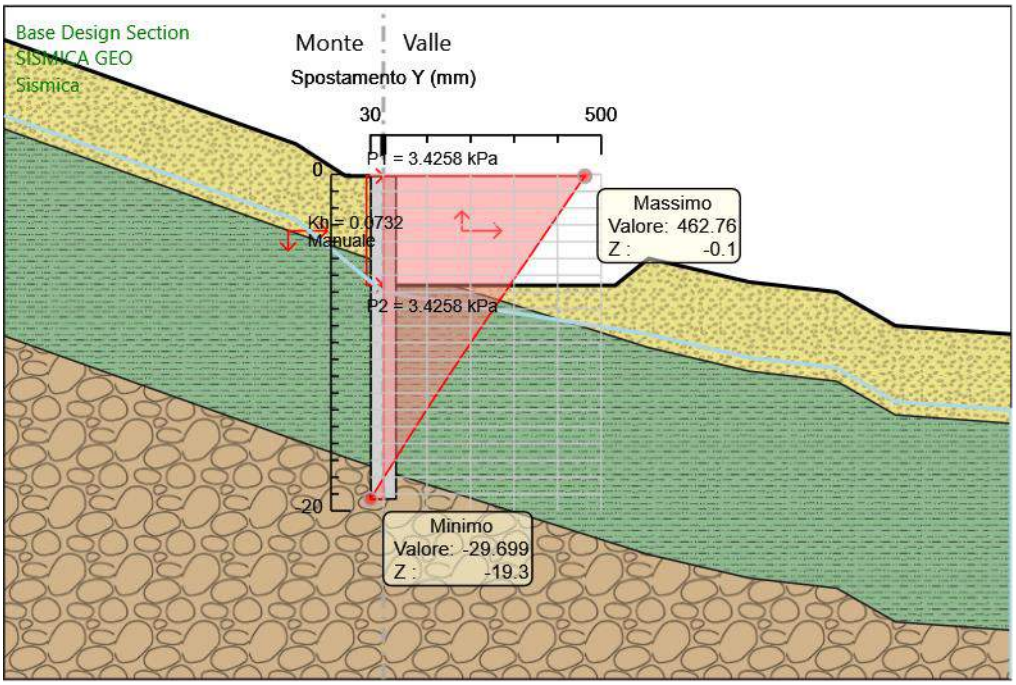
Design Assumption: SISMICA GEO
Stage: Stage 5-Scavo H=4m
Spostamento orizzontale

6.5.13. Grafico Spostamento SISMICA GEO - Stage: Stage 6-Scavo H=6.5m



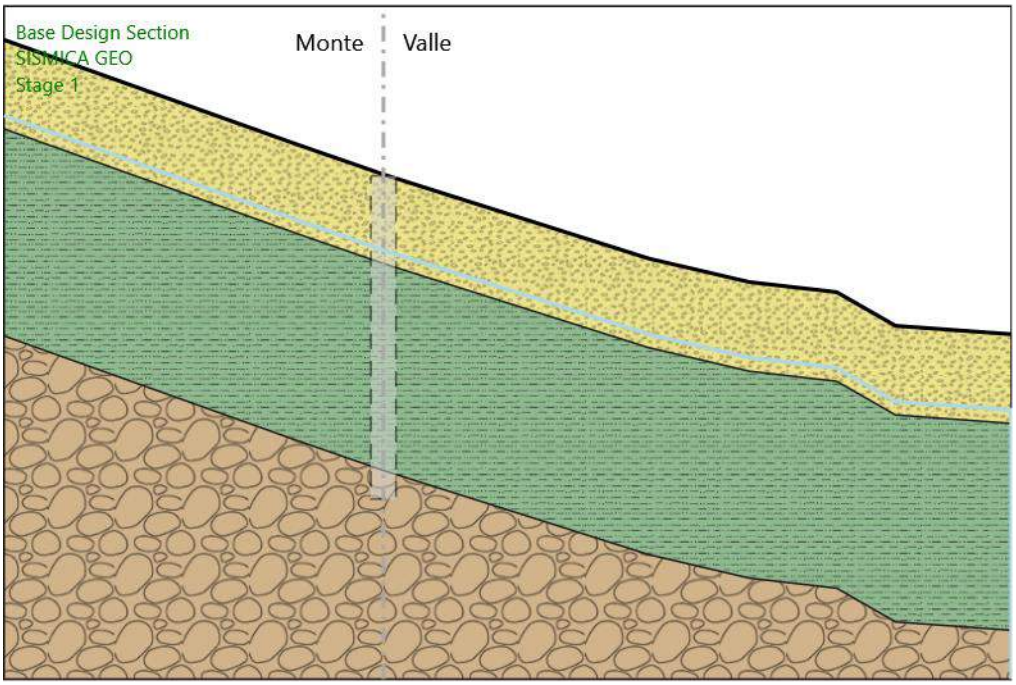
Design Assumption: SISMICA GEO
Stage: Stage 6-Scavo H=6.5m
Spostamento orizzontale

6.5.14. Grafico Spostamento SISMICA GEO - Stage: Sismica



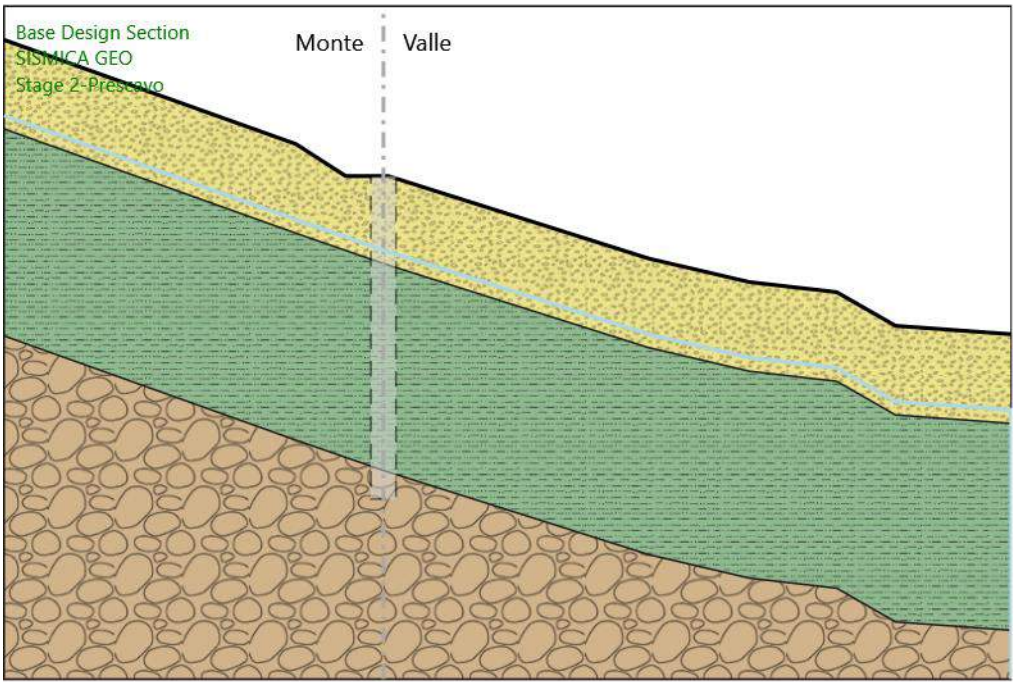
Design Assumption: SISMICA GEO
Stage: Sismica
Spostamento orizzontale

6.5.15. Grafico Risultati Momento SISMICA GEO - Stage: Stage 1



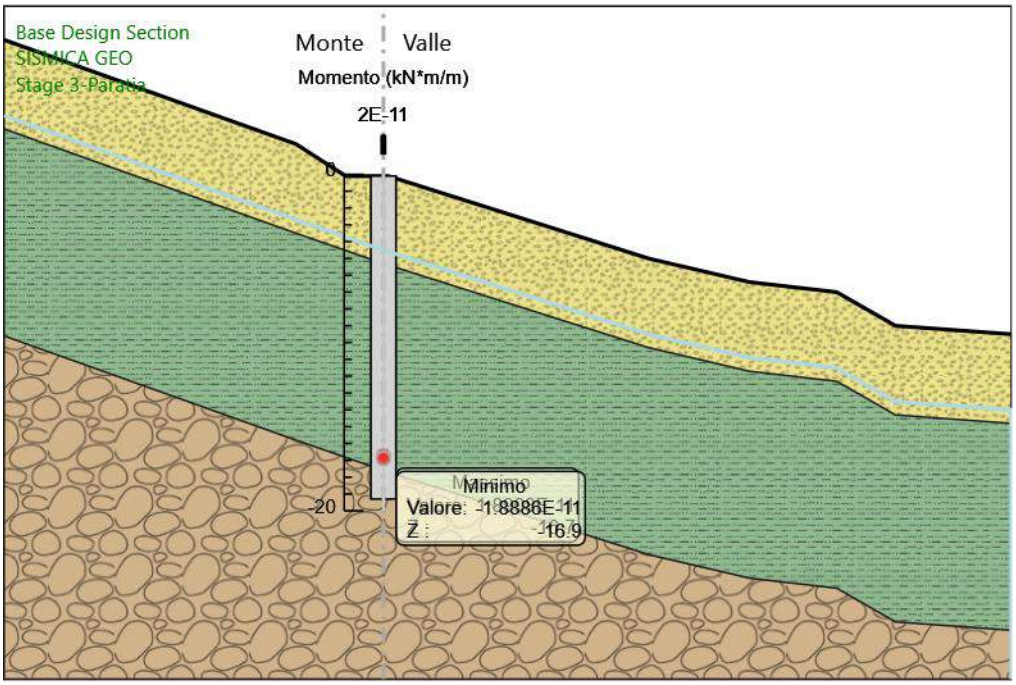
Design Assumption: SISMICA GEO
Stage: Stage 1
Momento

6.5.16. Grafico Risultati Momento SISMICA GEO - Stage: Stage 2-Prescavo



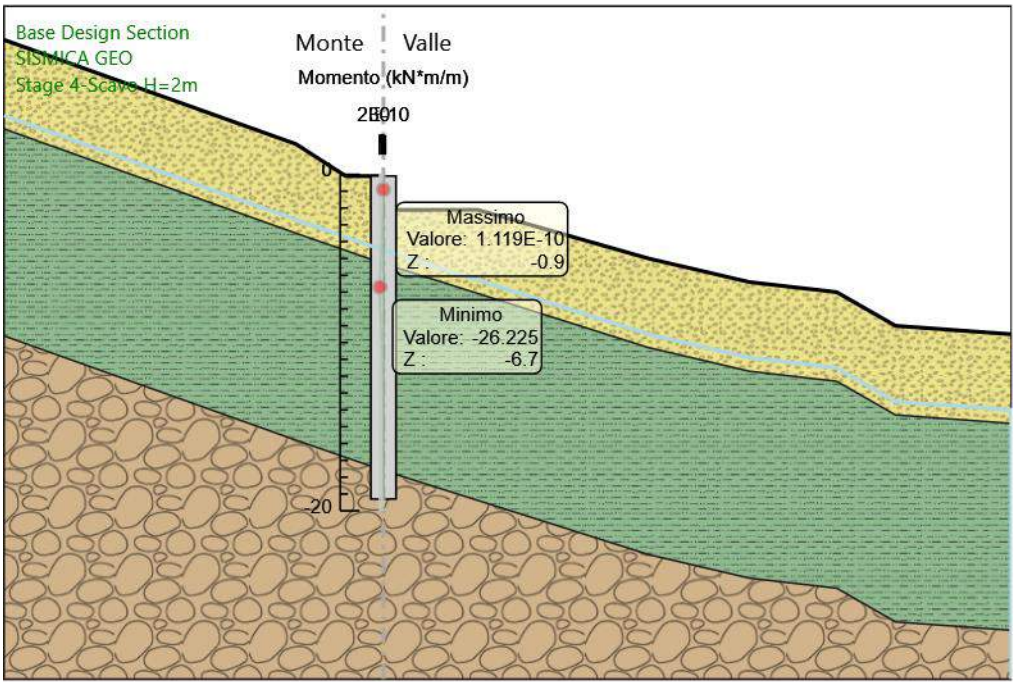
Design Assumption: SISMICA GEO
Stage: Stage 2-Prescavo
Momento

6.5.17. Grafico Risultati Momento SISMICA GEO - Stage: Stage 3-Paratia



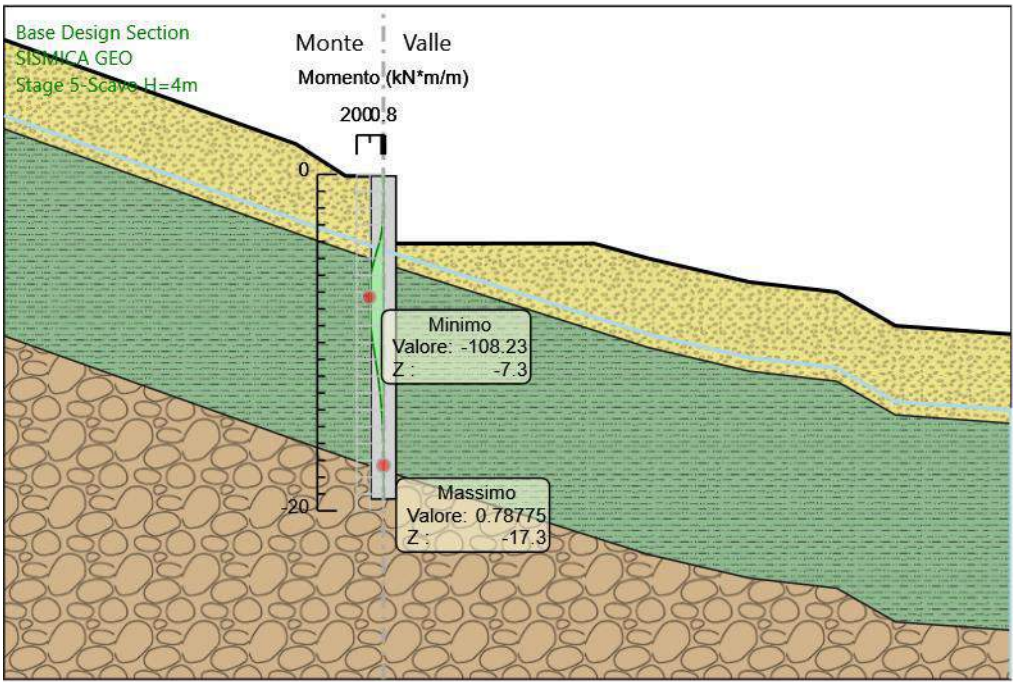
Design Assumption: SISMICA GEO
Stage: Stage 3-Paratia
Momento

6.5.18. Grafico Risultati Momento SISMICA GEO - Stage: Stage 4-Scavo H=2m



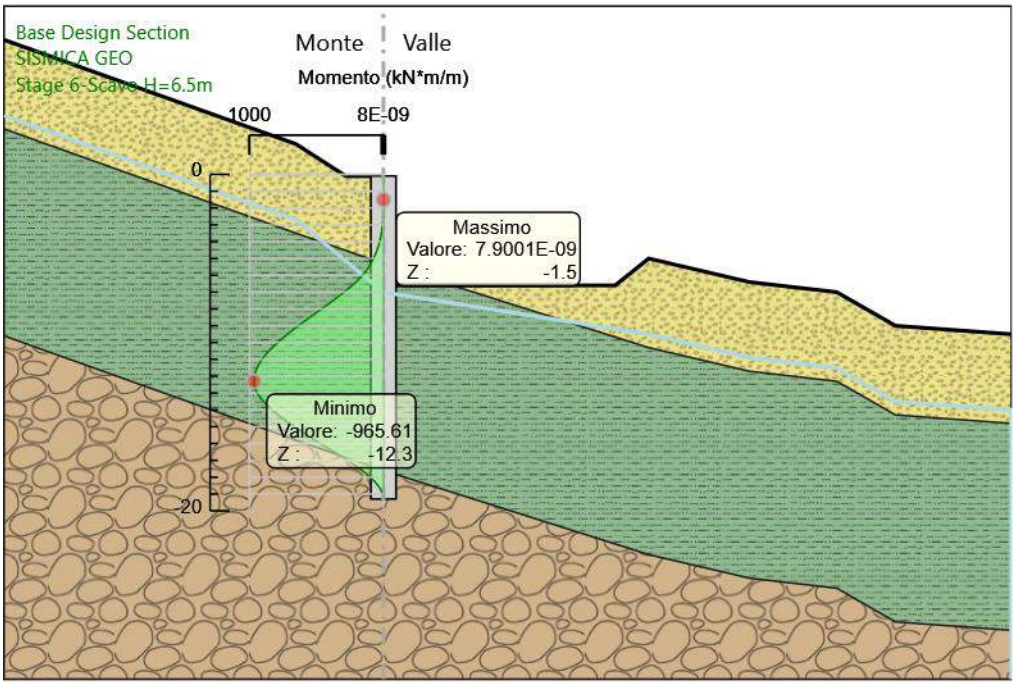
Design Assumption: SISMICA GEO
Stage: Stage 4-Scavo H=2m
Momento

6.5.19. Grafico Risultati Momento SISMICA GEO - Stage: Stage 5-Scavo H=4m



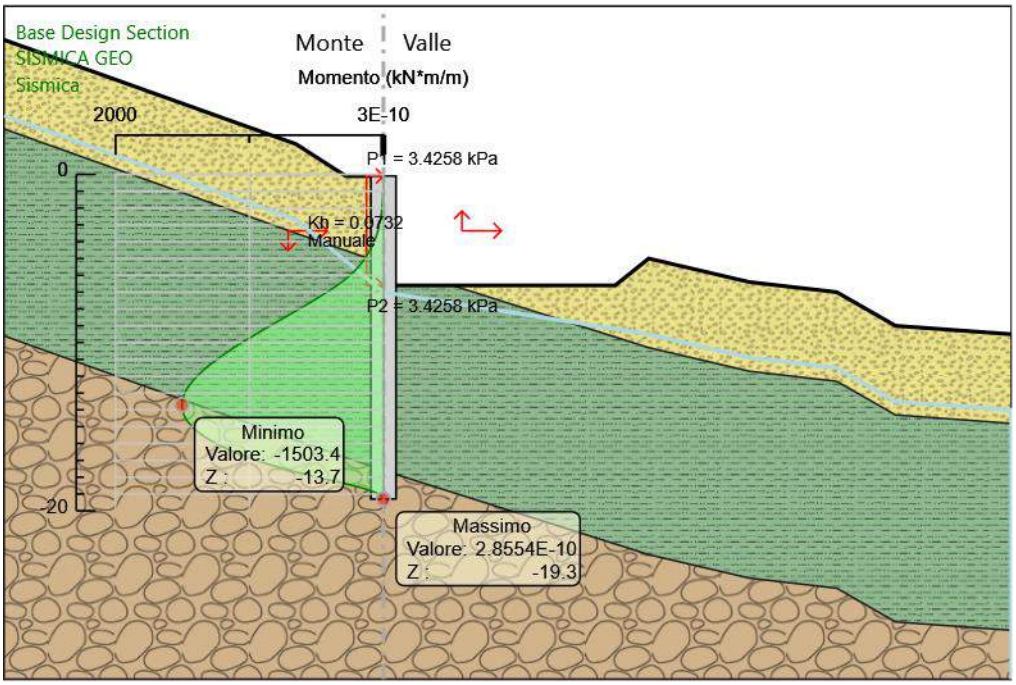
Design Assumption: SISMICA GEO
Stage: Stage 5-Scavo H=4m
Momento

6.5.20. Grafico Risultati Momento SISMICA GEO - Stage: Stage 6-Scavo H=6.5m



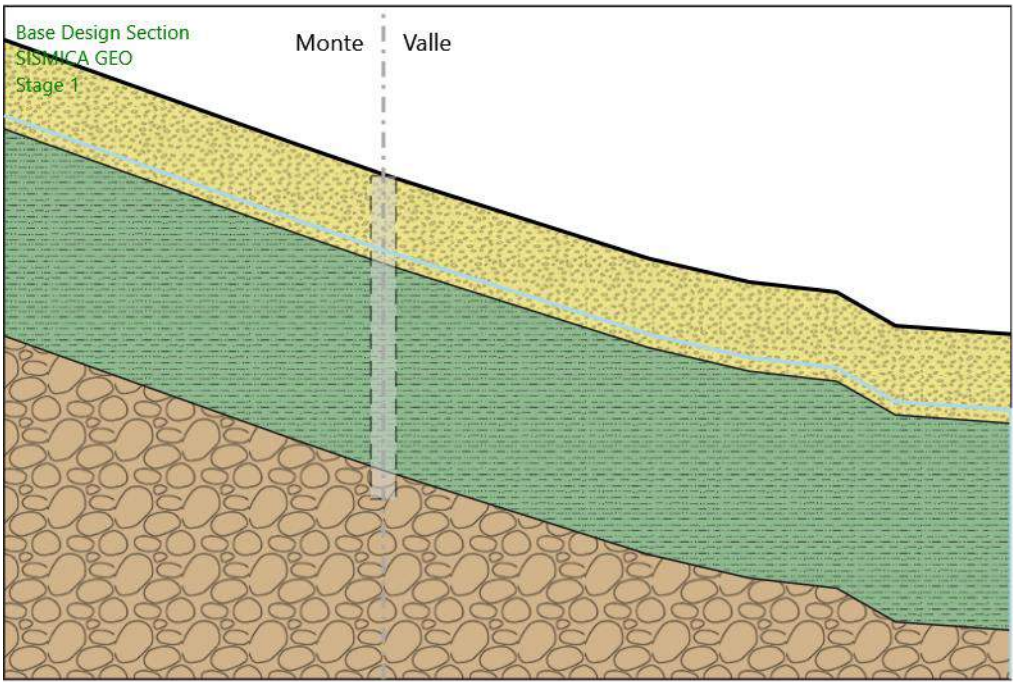
Design Assumption: SISMICA GEO
Stage: Stage 6-Scavo H=6.5m
Momento

6.5.21. Grafico Risultati Momento SISMICA GEO - Stage: Sismica



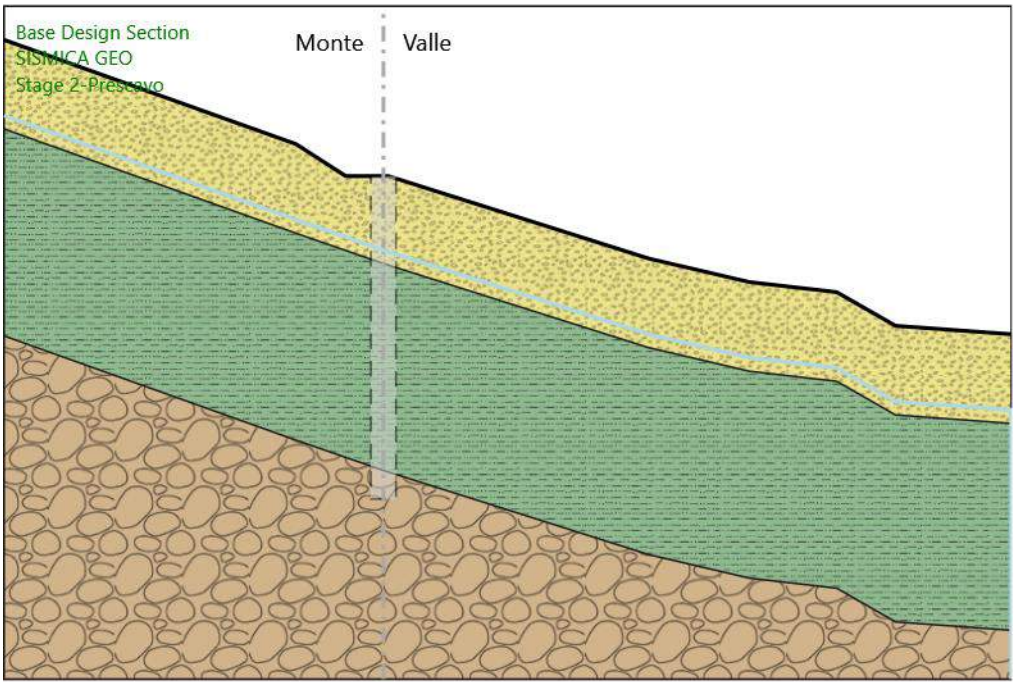
Design Assumption: SISMICA GEO
Stage: Sismica
Momento

6.5.22. Grafico Risultati Taglio SISMICA GEO - Stage: Stage 1



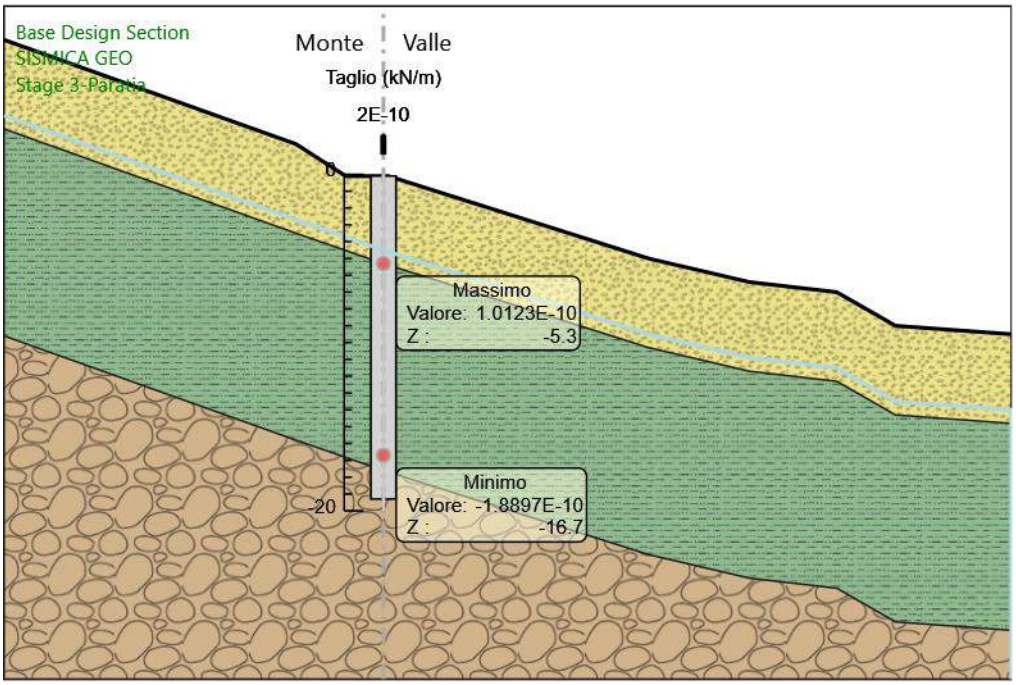
Design Assumption: SISMICA GEO
Stage: Stage 1
Taglio

6.5.23. Grafico Risultati Taglio SISMICA GEO - Stage: Stage 2-Prescavo



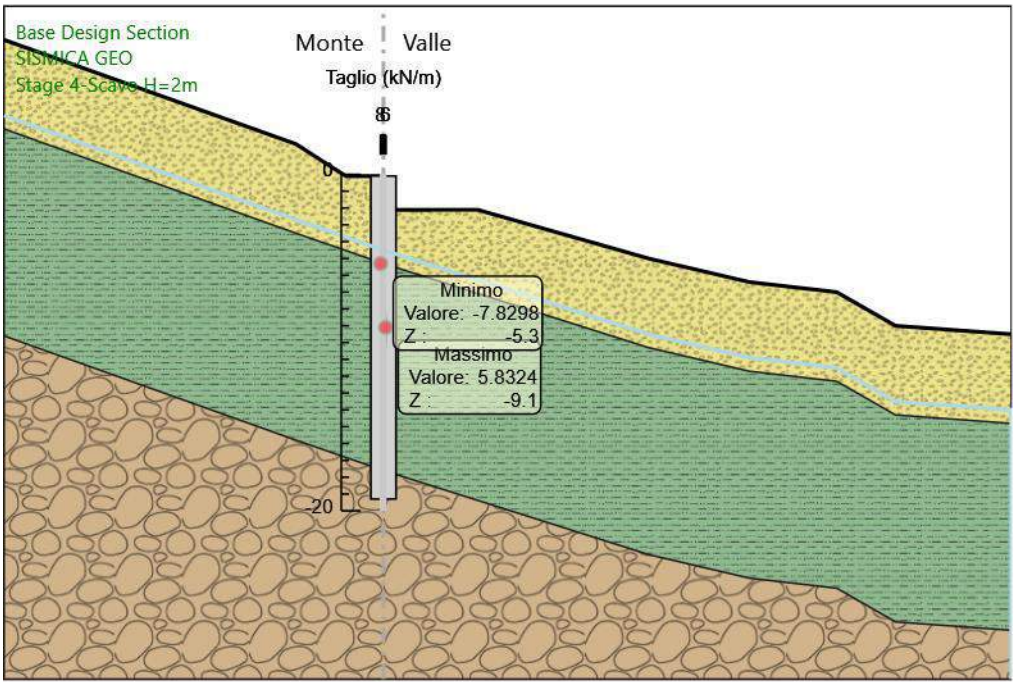
Design Assumption: SISMICA GEO
Stage: Stage 2-Prescavo
Taglio

6.5.24. Grafico Risultati Taglio SISMICA GEO - Stage: Stage 3-Paratia



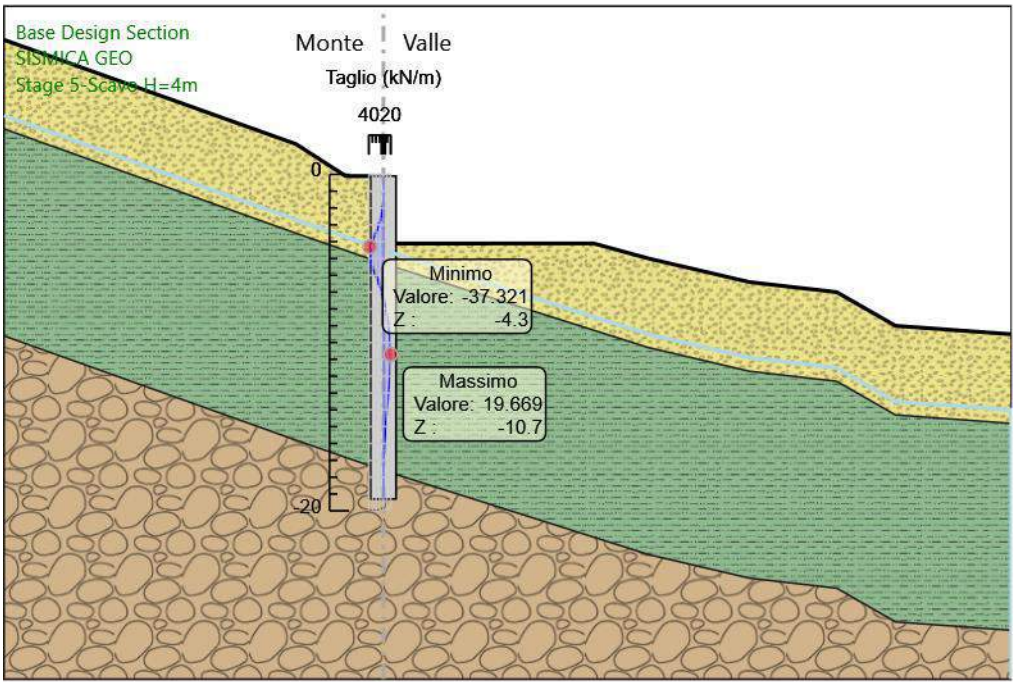
Design Assumption: SISMICA GEO
Stage: Stage 3-Paratia
Taglio

6.5.25. Grafico Risultati Taglio SISMICA GEO - Stage: Stage 4-Scavo H=2m



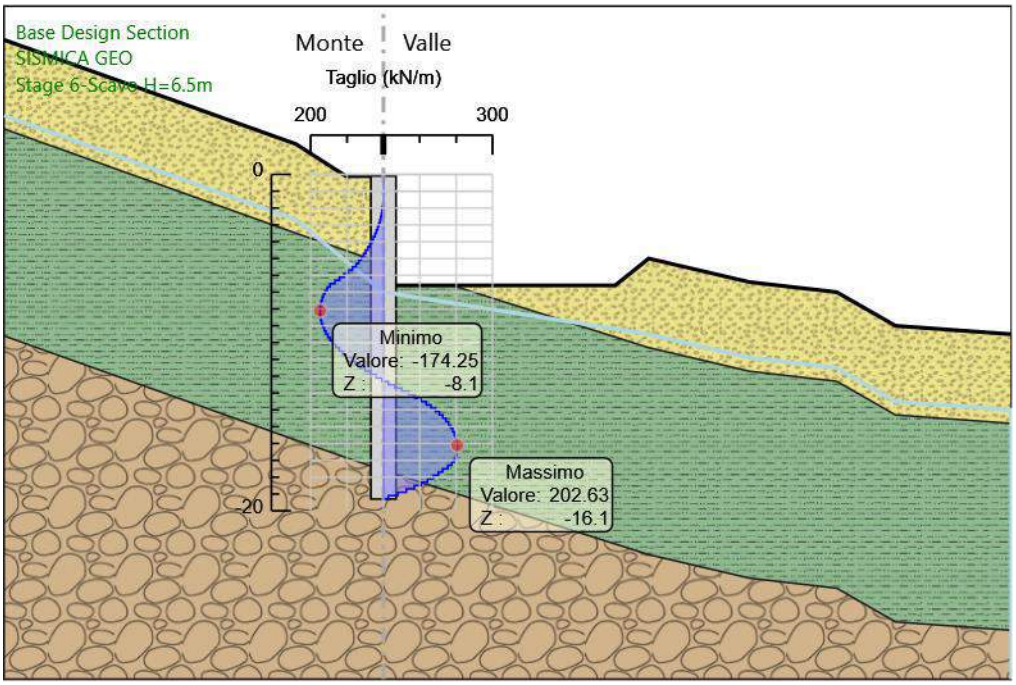
Design Assumption: SISMICA GEO
Stage: Stage 4-Scavo H=2m
Taglio

6.5.26. Grafico Risultati Taglio SISMICA GEO - Stage: Stage 5-Scavo H=4m



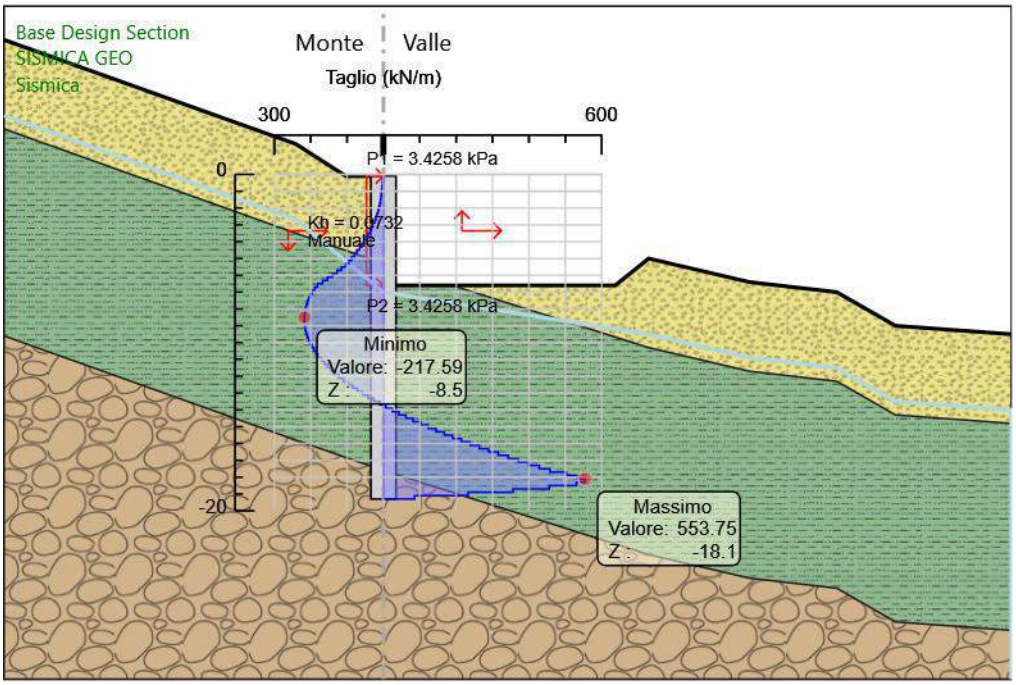
Design Assumption: SISMICA GEO
Stage: Stage 5-Scavo H=4m
Taglio

6.5.27. Grafico Risultati Taglio SISMICA GEO - Stage: Stage 6-Scavo H=6.5m



Design Assumption: SISMICA GEO
Stage: Stage 6-Scavo H=6.5m
Taglio

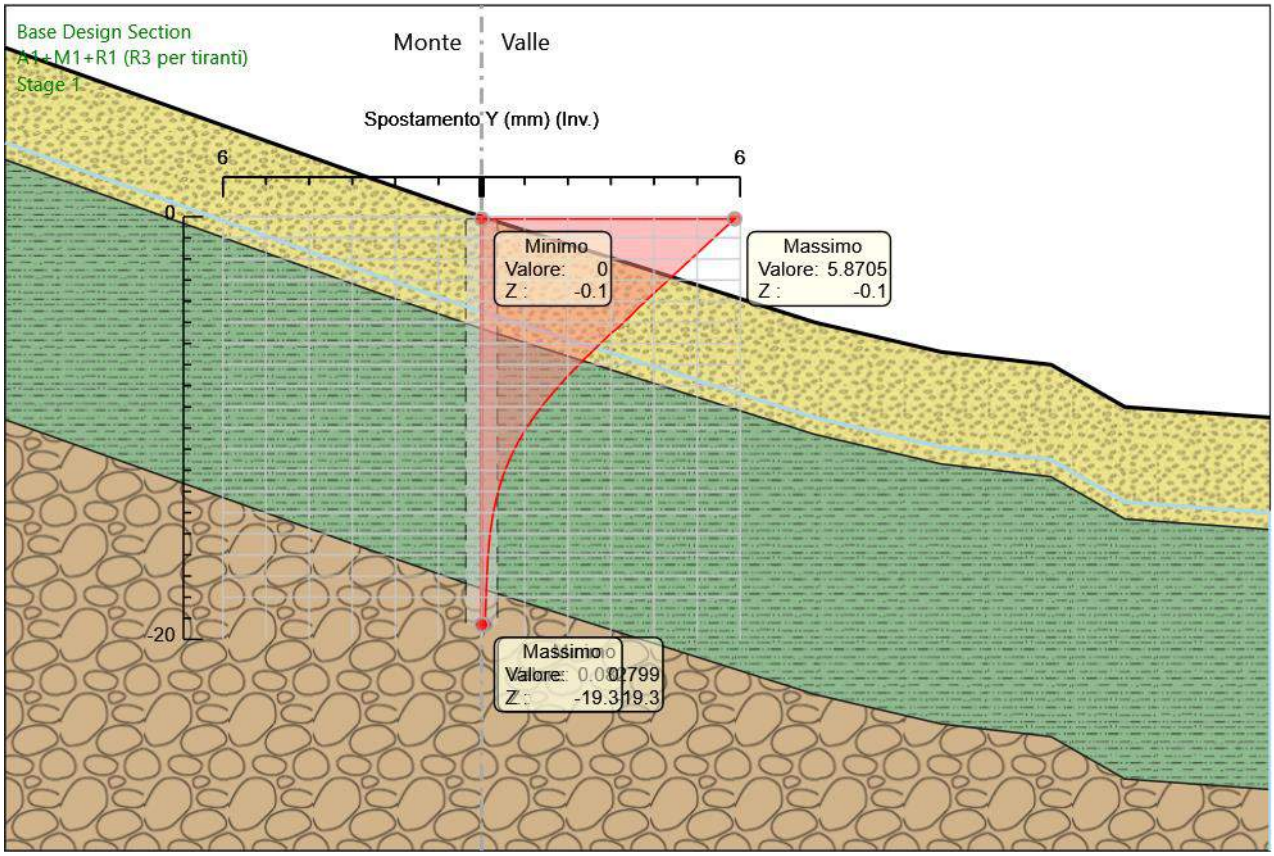
6.5.28. Grafico Risultati Taglio SISMICA GEO - Stage: Sismica



Design Assumption: SISMICA GEO
Stage: Sismica
Taglio

7. Descrizione sintetica dei risultati delle Design Assumption (Inviluppi)

7.1. Grafico Inviluppi Spostamento



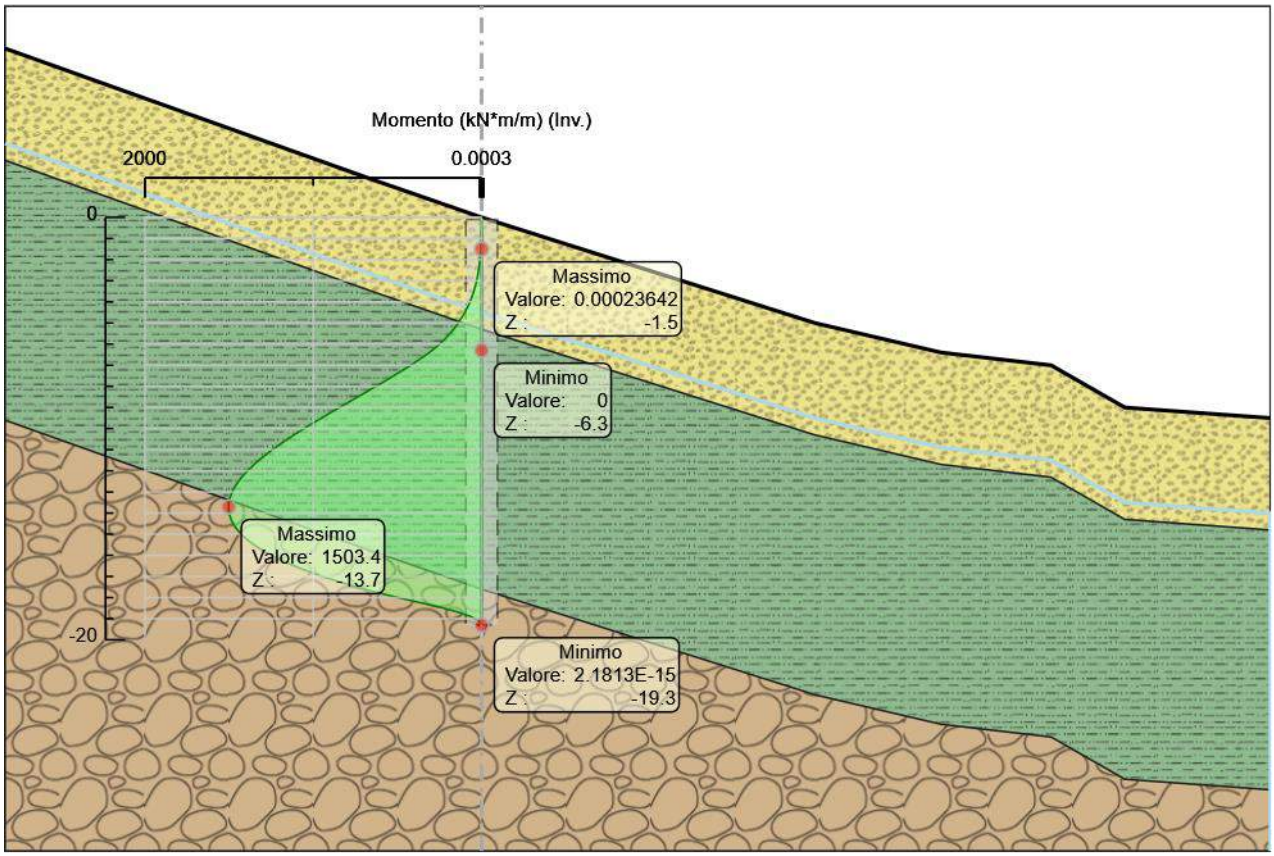
Spostamento

7.2. Tabella Inviluppi Momento WallElement

Selected Design Assumptions	Inviluppi: Momento	Muro: WallElement
Z (m)	Lato sinistro (kN*m/m)	Lato destro (kN*m/m)
-0.1	0	0
-0.3	0.108	0
-0.5	0.43	0
-0.7	0.968	0
-0.9	1.72	0
-1.1	2.688	0
-1.3	3.87	0
-1.5	5.268	0
-1.7	6.944	0
-1.9	8.972	0
-2.1	11.421	0
-2.3	14.366	0
-2.5	17.878	0
-2.7	22.028	0
-2.9	26.89	0
-3.1	32.535	0
-3.3	39.034	0
-3.5	46.461	0
-3.7	54.887	0
-3.9	64.384	0
-4.1	75.024	0
-4.3	86.88	0
-4.5	100.023	0
-4.7	114.525	0
-4.9	130.459	0
-5.1	147.896	0
-5.3	166.909	0
-5.5	187.569	0
-5.7	210.586	0
-5.9	236.064	0
-6.1	264.105	0
-6.3	294.814	0
-6.5	328.292	0
-6.7	364.591	0
-6.9	402.432	0
-7.1	441.543	0
-7.3	481.664	0
-7.5	522.667	0
-7.7	564.419	0
-7.9	606.791	0
-8.1	649.648	0
-8.3	692.859	0
-8.5	736.291	0
-8.7	779.808	0
-8.9	823.279	0
-9.1	866.569	0
-9.3	909.544	0
-9.5	952.069	0
-9.7	994.011	0
-9.9	1035.235	0
-10.1	1075.606	0
-10.3	1114.991	0
-10.5	1153.255	0
-10.7	1190.263	0
-10.9	1225.881	0
-11.1	1259.974	0
-11.3	1292.406	0
-11.5	1323.044	0
-11.7	1351.757	0
-11.9	1378.409	0
-12.1	1402.867	0
-12.3	1424.995	0
-12.5	1444.659	0
-12.7	1461.725	0
-12.9	1476.058	0
-13.1	1487.524	0
-13.3	1495.987	0

Selected Design Assumptions	Inviluppi: Momento	Muro: WallElement
Z (m)	Lato sinistro (kN*m/m)	Lato destro (kN*m/m)
-13.5	1501.314	0
-13.7	1503.369	0
-13.9	1502.018	0
-14.1	1497.127	0
-14.3	1488.561	0
-14.5	1476.185	0
-14.7	1459.864	0
-14.9	1439.464	0
-15.1	1414.851	0
-15.3	1385.889	0
-15.5	1352.445	0
-15.7	1314.382	0
-15.9	1271.567	0
-16.1	1223.866	0
-16.3	1171.142	0
-16.5	1113.262	0
-16.7	1050.092	0
-16.9	981.495	0
-17.1	907.34	0
-17.3	827.497	0
-17.5	741.838	0
-17.7	650.228	0
-17.9	549.593	0
-18.1	442.87	0
-18.3	332.119	0
-18.5	226.01	0
-18.7	134.902	0
-18.9	63.676	0
-19.1	17.114	0
-19.3	0	0

7.3. Grafico Inviluppi Momento



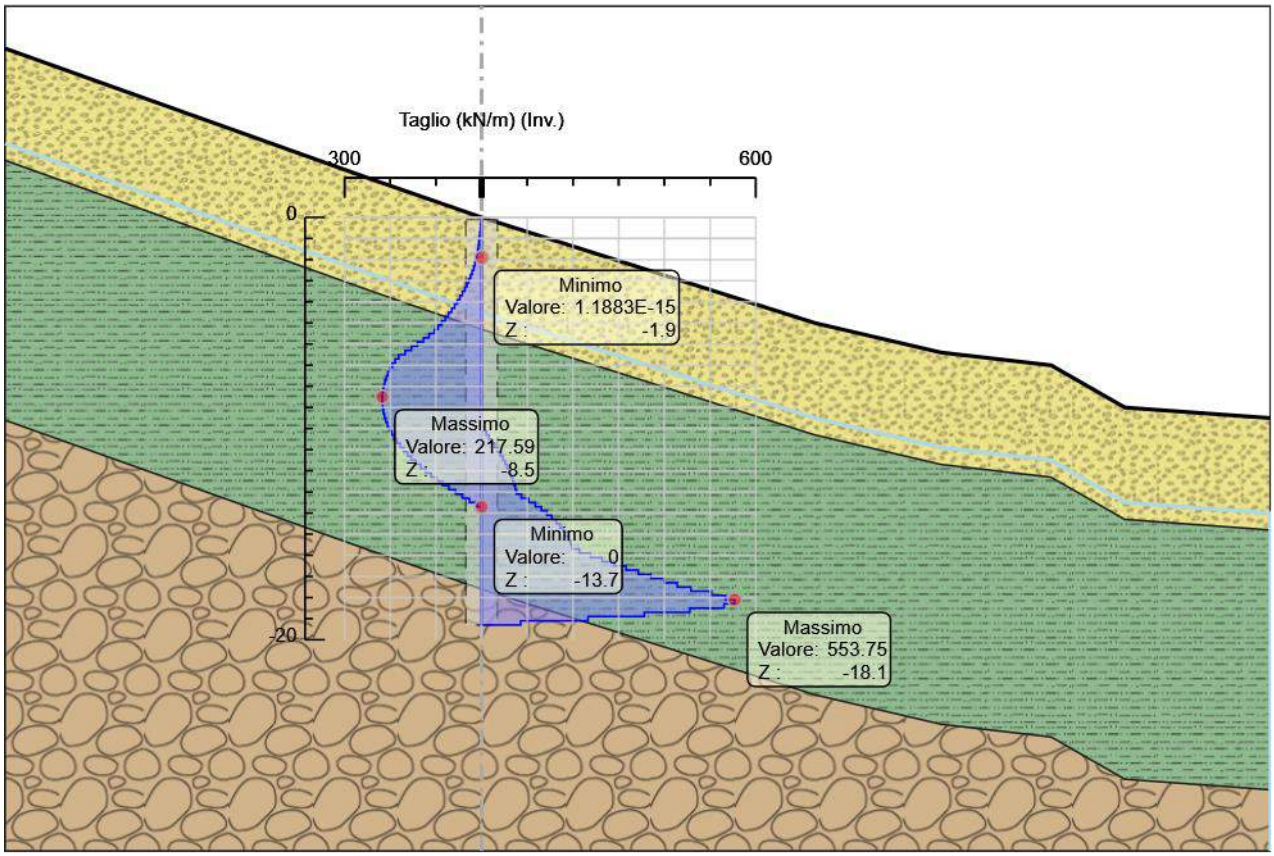
Momento

7.4. Tabella Inviluppi Taglio WallElement

Selected Design Assumptions	Inviluppi: Taglio	Muro: WallElement
Z (m)	Lato sinistro (kN/m)	Lato destro (kN/m)
-0.1	0.538	0
-0.3	1.613	0
-0.5	2.688	0
-0.7	3.763	0
-0.9	4.838	0
-1.1	5.913	0
-1.3	6.988	0
-1.5	8.382	0
-1.7	10.136	0
-1.9	12.25	0
-2.1	14.724	0
-2.3	17.558	0
-2.5	20.753	0
-2.7	24.308	0
-2.9	28.223	0
-3.1	32.498	0
-3.3	37.134	0
-3.5	42.13	0
-3.7	47.486	0
-3.9	53.202	0
-4.1	59.278	0
-4.3	65.715	0
-4.5	72.512	0
-4.7	79.669	0
-4.9	87.186	0
-5.1	95.064	0
-5.3	103.301	0
-5.5	115.086	0
-5.7	127.388	0
-5.9	140.207	0
-6.1	153.542	0
-6.3	167.394	0
-6.5	181.492	0
-6.7	189.206	0
-6.9	195.556	0
-7.1	200.606	0
-7.3	205.012	0
-7.5	208.764	0
-7.7	211.857	0
-7.9	214.289	0
-8.1	216.056	0
-8.3	217.156	0
-8.5	217.59	0
-8.7	217.59	0
-8.9	217.354	0
-9.1	216.449	0
-9.3	214.874	0
-9.5	212.628	0
-9.7	209.71	0
-9.9	206.121	4.255
-10.1	201.86	10.299
-10.3	196.926	15.919
-10.5	191.32	21.689
-10.7	185.04	28.66
-10.9	178.088	35.112
-11.1	170.463	41.072
-11.3	162.164	46.564
-11.5	153.191	51.614
-11.7	143.562	56.246
-11.9	133.261	60.484
-12.1	122.287	64.351
-12.3	110.641	67.869
-12.5	98.322	71.06
-12.7	85.33	73.946
-12.9	71.665	76.547
-13.1	57.327	86.882
-13.3	42.317	102.86

Selected Design Assumptions	Inviluppi: Taglio	Muro: WallElement
Z (m)	Lato sinistro (kN/m)	Lato destro (kN/m)
-13.5	26.633	117.475
-13.7	10.277	130.774
-13.9	0	142.801
-14.1	0	153.603
-14.3	0	163.22
-14.5	0	171.693
-14.7	0	179.063
-14.9	0	185.366
-15.1	0	190.637
-15.3	0	194.911
-15.5	0	198.218
-15.7	0	214.074
-15.9	0	238.509
-16.1	0	263.617
-16.3	0	289.399
-16.5	0	315.854
-16.7	0	342.982
-16.9	0	370.775
-17.1	0	399.214
-17.3	0	428.298
-17.5	0	458.028
-17.7	0	503.173
-17.9	0	533.617
-18.1	0	553.752
-18.3	0	553.752
-18.5	0	530.548
-18.7	0	455.541
-18.9	0	356.13
-19.1	0	232.806
-19.3	0	85.572

7.5. Grafico Inviluppi Taglio



Taglio

7.6. Inviluppo Spinta Reale Efficace / Spinta Passiva

Design Assumption	Stage	Muro	Lato	Inviluppo Spinta Reale Efficace / Spinta Passiva %
SISMICA GEO	Sismica	Left Wall	LEFT	16.82
SISMICA GEO	Sismica	Left Wall	RIGHT	70.77

7.7. Inviluppo Spinta Reale Efficace / Spinta Attiva

Design Assumption	Stage	Muro	Lato	Inviluppo Spinta Reale Efficace / Spinta Attiva %
A2+M2+R1	Stage 1	Left Wall	LEFT	110.51
A2+M2+R1	Stage 2-Prescavo	Left Wall	RIGHT	238.6

8. Allegati

8.1. Design Assumption : Nominal - File di Paratie - File di input (.d)

```
* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: Nominal
 * Time:giovedì 27 gennaio 2022 16:40:54
 * 1: Defining general settings
 UNIT  m kN
 TITLE New Project
 DELTA 0.2
 option param itemax 40
 option control contact lagrange

 option control hinges 0 0.0001 0.001

 * 2: Defining wall(s)
 WALL LeftWall_36 0 -19.3 -0.1 1

 * 3: Defining surfaces for wall(s)
 SOIL 0_L LeftWall_36 -19.3 -0.1 1 0
 SOIL 0_R LeftWall_36 -19.3 -0.1 2 180

 * 4: Defining soil layers
 *
 * Soil Profile (Ecla_20887_22088_L_0)
 *
 LDATA Ecla_20887_22088_L_0 0 LeftWall_36
 ATREST 0.5 0.5 1
 WEIGHT 19 9 10
 PERMEABILITY 1E-05
 RESISTANCE 10 25 0 0 0
 TZDATA  LINEAR 10000 0 25 0.5 0
 KSCALE  0 0
 YOUNG 30000 90000
 ENDL
 *
 * Soil Profile (Salt_167_22090_L_0)
 *
 LDATA Salt_167_22090_L_0 -5.3 LeftWall_36
 ATREST 0.5 0.5 1
 WEIGHT 20 10 10
 PERMEABILITY 1E-05
 RESISTANCE 10 26 0 0 0
 TZDATA  LINEAR 10000 0 25 0.5 0
 KSCALE  0 0
 YOUNG 2E+05 6E+05
 ENDL
 *
 * Soil Profile (Sch_168_22092_L_0)
 *
 LDATA Sch_168_22092_L_0 -17.6 LeftWall_36
 ATREST 0.5 0.5 1
 WEIGHT 23 13 10
 PERMEABILITY 1E-05
 RESISTANCE 63 31 0 0 0
 TZDATA  LINEAR 10000 0 25 0.5 0
 KSCALE  0 0
 YOUNG 1.35E+05 4.05E+05
 ENDL

 * 5: Defining structural materials
 * Steel material: 114 Name=Fe360 E=206000200 kPa
 MATERIAL Fe360_114 2.06E+08
 * Concrete material: 112 Name=C32/40 E=33345800 kPa
 MATERIAL C3240_112 3.3346E+07

 * 6: Defining structural elements
 * 6.1: Beams and combined Wall Elements
 ** rev 2021 and later
 BEAM WallElement_23099 LeftWall_36 -19.3 -0.1 C3240_112 1.206 1.0395 0.14618 25.987 00 00 0


 * 6.2: Supports




 * 6.3: Strips

 * 7: Defining Steps
 STEP Stage1_2689
 CHANGE Ecla_20887_22088_L_0 U-FRICT=25 LeftWall_36
 CHANGE Ecla_20887_22088_L_0 D-FRICT=25 LeftWall_36
 CHANGE Ecla_20887_22088_L_0 U-KA=0.517 LeftWall_36
```

```
CHANGE Ecla_20887_22088_L_0 U-KP=4.591 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KA=0.296 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KP=1.614 LeftWall_36
CHANGE Salt_167_22090_L_0 U-FRICT=26 LeftWall_36
CHANGE Salt_167_22090_L_0 D-FRICT=26 LeftWall_36
CHANGE Salt_167_22090_L_0 U-KA=0.491 LeftWall_36
CHANGE Salt_167_22090_L_0 U-KP=4.663 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KA=0.285 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KP=1.717 LeftWall_36
CHANGE Sch_168_22092_L_0 U-FRICT=31 LeftWall_36
CHANGE Sch_168_22092_L_0 D-FRICT=31 LeftWall_36
CHANGE Sch_168_22092_L_0 U-KA=0.374 LeftWall_36
CHANGE Sch_168_22092_L_0 U-KP=6.38 LeftWall_36
CHANGE Sch_168_22092_L_0 D-KA=0.235 LeftWall_36
CHANGE Sch_168_22092_L_0 D-KP=2.288 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-COHE=10 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-ADHES=0 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-COHE=10 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-ADHES=0 LeftWall_36
CHANGE Salt_167_22090_L_0 U-COHE=10 LeftWall_36
CHANGE Salt_167_22090_L_0 U-ADHES=0 LeftWall_36
CHANGE Salt_167_22090_L_0 D-COHE=10 LeftWall_36
CHANGE Salt_167_22090_L_0 D-ADHES=0 LeftWall_36
CHANGE Sch_168_22092_L_0 U-COHE=63 LeftWall_36
CHANGE Sch_168_22092_L_0 U-ADHES=0 LeftWall_36
CHANGE Sch_168_22092_L_0 D-COHE=63 LeftWall_36
CHANGE Sch_168_22092_L_0 D-ADHES=0 LeftWall_36
SETWALL LeftWall_36
GEOM 0 0
SURCHARGE 0 0 0 0
WATER -4.3201 0.34439 -19.3 0 0
ENDSTEP

STEP Stage2-Prescavo_40026
CHANGE Ecla_20887_22088_L_0 U-KA=0.39 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-KP=4.584 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KA=0.306 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KP=1.776 LeftWall_36
CHANGE Salt_167_22090_L_0 U-KA=0.483 LeftWall_36
CHANGE Salt_167_22090_L_0 U-KP=4.671 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KA=0.288 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KP=1.769 LeftWall_36
CHANGE Sch_168_22092_L_0 U-KA=0.369 LeftWall_36
CHANGE Sch_168_22092_L_0 U-KP=6.394 LeftWall_36
CHANGE Sch_168_22092_L_0 D-KA=0.237 LeftWall_36
CHANGE Sch_168_22092_L_0 D-KP=2.343 LeftWall_36
SETWALL LeftWall_36
GEOM -0.1 -0.1
SURCHARGE 0 0 0 0
WATER -4.3201 0.34439 -19.3 0 0
ENDSTEP

STEP Stage3-Paratia_40248
SETWALL LeftWall_36
GEOM -0.1 -0.1
SURCHARGE 0 0 0 0
WATER -4.3201 0.34439 -19.3 0 0
ADD WallElement_23099
ENDSTEP

STEP Stage4-ScavoH=2m_40470
CHANGE Ecla_20887_22088_L_0 D-KA=0.359 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KP=3.231 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KA=0.334 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KP=2.621 LeftWall_36
CHANGE Sch_168_22092_L_0 D-KA=0.272 LeftWall_36
CHANGE Sch_168_22092_L_0 D-KP=3.327 LeftWall_36
SETWALL LeftWall_36
GEOM -0.1 -2.11
SURCHARGE 0 0 0 0
WATER -4.3201 0.34439 -19.3 0 0
ENDSTEP

STEP Stage5-ScavoH=4m_41742
CHANGE Ecla_20887_22088_L_0 D-KP=3.226 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KA=0.344 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KP=3.217 LeftWall_36
CHANGE Sch_168_22092_L_0 D-KA=0.279 LeftWall_36
CHANGE Sch_168_22092_L_0 D-KP=4.119 LeftWall_36
SETWALL LeftWall_36
GEOM -0.1 -4.11
SURCHARGE 0 0 0 0
WATER -4.3201 0.34439 -19.3 0 0
ENDSTEP

STEP Stage6-ScavoH=6.5m_41964
CHANGE Ecla_20887_22088_L_0 D-KP=3.222 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KP=3.567 LeftWall_36
CHANGE Sch_168_22092_L_0 D-KP=4.772 LeftWall_36
SETWALL LeftWall_36
GEOM -0.1 -6.6
SURCHARGE 0 0 0 0
```

New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   96
C U R R E N T   T I M E   I S   7.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

EL	TA	TB	MA	MB
1	0.53696	-0.53696	4.66397E-10	0.10739
2	1.6109	-1.6109	-0.10739	0.42957
3	2.6848	-2.6848	-0.42957	0.96653
4	3.7587	-3.7587	-0.96653	1.7183
5	4.8327	-4.8327	-1.7183	2.6848
6	5.9066	-5.9066	-2.6848	3.8661
7	6.9805	-6.9805	-3.8661	5.2622
8	8.0544	-8.0544	-5.2622	6.8731
9	9.1284	-9.1284	-6.8731	8.6988
10	10.372	-10.372	-8.6988	10.773
11	11.912	-11.912	-10.773	13.156
12	13.748	-13.748	-13.156	15.905
13	15.881	-15.881	-15.905	19.081
14	18.310	-18.310	-19.081	22.743
15	21.036	-21.036	-22.743	26.950
16	24.057	-24.057	-26.950	31.762
17	27.376	-27.376	-31.762	37.237
18	30.991	-30.991	-37.237	43.435
19	34.902	-34.902	-43.435	50.416
20	39.109	-39.109	-50.416	58.237
21	43.613	-43.613	-58.237	66.960
22	48.413	-48.413	-66.960	76.643
23	53.510	-53.510	-76.643	87.345
24	58.903	-58.903	-87.345	99.125
25	64.593	-64.593	-99.125	112.04
26	70.579	-70.579	-112.04	126.16
27	76.861	-76.861	-126.16	141.53
28	85.086	-85.086	-141.53	158.55
29	93.696	-93.696	-158.55	177.29
30	102.69	-102.69	-177.29	197.83
31	112.08	-112.08	-197.83	220.24
32	121.85	-121.85	-220.24	244.61
33	131.73	-131.73	-244.61	270.96
34	132.65	-132.65	-270.96	297.49
35	131.54	-131.54	-297.49	323.80
36	128.50	-128.50	-323.80	349.50
37	124.46	-124.46	-349.50	374.39
38	119.43	-119.43	-374.39	398.28
39	113.40	-113.40	-398.28	420.95
40	106.35	-106.35	-420.95	442.23
41	98.301	-98.301	-442.23	461.89
42	89.233	-89.233	-461.89	479.73
43	79.150	-79.150	-479.73	495.56
44	68.051	-68.051	-495.56	509.17
45	55.934	-55.934	-509.17	520.36
46	43.854	-43.854	-520.36	529.13
47	32.508	-32.508	-529.13	535.63
48	21.867	-21.867	-535.63	540.00
49	11.906	-11.906	-540.00	542.39
50	2.5969	-2.5969	-542.39	542.91
51	-6.0875	6.0875	-542.91	541.69
52	-14.174	14.174	-541.69	538.85
53	-21.689	21.689	-538.85	534.52
54	-28.660	28.660	-534.52	528.78
55	-35.112	35.112	-528.78	521.76
56	-41.072	41.072	-521.76	513.55
57	-46.564	46.564	-513.55	504.23
58	-51.614	51.614	-504.23	493.91
59	-56.246	56.246	-493.91	482.66
60	-60.484	60.484	-482.66	470.56
61	-64.351	64.351	-470.56	457.69
62	-67.869	67.869	-457.69	444.12
63	-71.060	71.060	-444.12	429.91
64	-73.946	73.946	-429.91	415.12
65	-76.547	76.547	-415.12	399.81
66	-78.882	78.882	-399.81	384.03
67	-80.970	80.970	-384.03	367.84
68	-82.831	82.831	-367.84	351.27
69	-84.480	84.480	-351.27	334.38
70	-85.935	85.935	-334.38	317.19

71	-87.211	87.211	-317.19	299.75
72	-88.324	88.324	-299.75	282.08
73	-88.988	88.988	-282.08	264.29
74	-89.212	89.212	-264.29	246.44
75	-89.033	89.033	-246.44	228.64
76	-88.487	88.487	-228.64	210.94
77	-87.583	87.583	-210.94	193.42
78	-86.141	86.141	-193.42	176.19
79	-84.205	84.205	-176.19	159.35
80	-81.814	81.814	-159.35	142.99
81	-79.003	79.003	-142.99	127.19
82	-75.786	75.786	-127.19	112.03
83	-72.139	72.139	-112.03	97.605
84	-68.185	68.185	-97.605	83.968
85	-63.944	63.944	-83.968	71.179
86	-59.431	59.431	-71.179	59.293
87	-54.661	54.661	-59.293	48.361
88	-49.646	49.646	-48.361	38.431
89	-44.207	44.207	-38.431	29.590
90	-38.647	38.647	-29.590	21.860
91	-32.972	32.972	-21.860	15.266
92	-27.203	27.203	-15.266	9.8255
93	-21.333	21.333	-9.8255	5.5589
94	-15.365	15.365	-5.5589	2.4859
95	-9.2976	9.2976	-2.4859	0.62642
96	-3.1321	3.1321	-0.62642	-2.23565E-12

```
+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                Exe Time :27 January 2022   16:41:00                                                   |
+-----------------------------------------------------------------------------------------------------------------------+


     F I N A L    I N C R E M E N T A L    A N A L Y S I S

                    S U M M A R Y

     STEP                                  NO. OF ITERATIONS

        1           CONVERGENCE :YES                       2
        2           CONVERGENCE :YES                       2
        3           CONVERGENCE :YES                       2
        4           CONVERGENCE :YES                       3
        5           CONVERGENCE :YES                       5
        6           CONVERGENCE :YES                       6
        7           CONVERGENCE :YES                       5


 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....    0.10 [sec]
DATABASE  CREATION CPU TIME.....    0.38 [sec]
```

8.11. Design Assumption : SISMICA GEO - File di Paratie - File di input (.d)

```
* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: SISMICA GEO
 * Time:giovedì 27 gennaio 2022 16:41:01
 * 1: Defining general settings
 UNIT  m kN
 TITLE New Project
 DELTA 0.2
 option param itemax 40
 option control contact lagrange

 option control hinges 0 0.0001 0.001

 * 2: Defining wall(s)
 WALL LeftWall_36 0 -19.3 -0.1 1

 * 3: Defining surfaces for wall(s)
 SOIL 0_L LeftWall_36 -19.3 -0.1 1 0
 SOIL 0_R LeftWall_36 -19.3 -0.1 2 180

 * 4: Defining soil layers
 *
 * Soil Profile (Ecla_20887_22088_L_0)
 *
 LDATA Ecla_20887_22088_L_0 0 LeftWall_36
 ATREST 0.5 0.5 1
 WEIGHT 19 9 10
 PERMEABILITY 1E-05
 RESISTANCE 10 25 0 0 0
 TZDATA  LINEAR 10000 0 25 0.5 0
 KSCALE  0 0
 YOUNG 30000 90000
 ENDL
 *
 * Soil Profile (Salt_167_22090_L_0)
 *
 LDATA Salt_167_22090_L_0 -5.3 LeftWall_36
 ATREST 0.5 0.5 1
 WEIGHT 20 10 10
 PERMEABILITY 1E-05
 RESISTANCE 10 26 0 0 0
 TZDATA  LINEAR 10000 0 25 0.5 0
 KSCALE  0 0
 YOUNG 2E+05 6E+05
 ENDL
 *
 * Soil Profile (Sch_168_22092_L_0)
 *
 LDATA Sch_168_22092_L_0 -17.6 LeftWall_36
 ATREST 0.5 0.5 1
 WEIGHT 23 13 10
 PERMEABILITY 1E-05
 RESISTANCE 63 31 0 0 0
 TZDATA  LINEAR 10000 0 25 0.5 0
 KSCALE  0 0
 YOUNG 1.35E+05 4.05E+05
 ENDL

 * 5: Defining structural materials
 * Steel material: 114 Name=Fe360 E=206000200 kPa
 MATERIAL Fe360_114 2.06E+08
 * Concrete material: 112 Name=C32/40 E=33345800 kPa
 MATERIAL C3240_112 3.3346E+07

 * 6: Defining structural elements
 * 6.1: Beams and combined Wall Elements
 ** rev 2021 and later
 BEAM WallElement_23099 LeftWall_36 -19.3 -0.1 C3240_112 1.206 1.0395 0.14618 25.987 00 00 0


 * 6.2: Supports




 * 6.3: Strips

 * 7: Defining Steps
 STEP Stage1_2689
 CHANGE Ecla_20887_22088_L_0 U-FRICT=20.458 LeftWall_36
 CHANGE Ecla_20887_22088_L_0 D-FRICT=20.458 LeftWall_36
 CHANGE Ecla_20887_22088_L_0 U-KA=0.707 LeftWall_36
 CHANGE Ecla_20887_22088_L_0 U-KP=3.377 LeftWall_36
 CHANGE Ecla_20887_22088_L_0 D-KA=0.352 LeftWall_36
 CHANGE Ecla_20887_22088_L_0 D-KP=1.224 LeftWall_36
 CHANGE Salt_167_22090_L_0 U-FRICT=21.315 LeftWall_36
 CHANGE Salt_167_22090_L_0 D-FRICT=21.315 LeftWall_36
```

```
CHANGE Salt_167_22090_L_0 U-KA=0.666 LeftWall_36
CHANGE Salt_167_22090_L_0 U-KP=3.457 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KA=0.341 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KP=1.307 LeftWall_36
CHANGE Sch_168_22092_L_0 U-FRICT=25.673 LeftWall_36
CHANGE Sch_168_22092_L_0 D-FRICT=25.673 LeftWall_36
CHANGE Sch_168_22092_L_0 U-KA=0.5 LeftWall_36
CHANGE Sch_168_22092_L_0 U-KP=4.457 LeftWall_36
CHANGE Sch_168_22092_L_0 D-KA=0.289 LeftWall_36
CHANGE Sch_168_22092_L_0 D-KP=1.711 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-COHE=8 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-ADHES=0 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-COHE=8 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-ADHES=0 LeftWall_36
CHANGE Salt_167_22090_L_0 U-COHE=8 LeftWall_36
CHANGE Salt_167_22090_L_0 U-ADHES=0 LeftWall_36
CHANGE Salt_167_22090_L_0 D-COHE=8 LeftWall_36
CHANGE Salt_167_22090_L_0 D-ADHES=0 LeftWall_36
CHANGE Sch_168_22092_L_0 U-COHE=50.4 LeftWall_36
CHANGE Sch_168_22092_L_0 U-ADHES=0 LeftWall_36
CHANGE Sch_168_22092_L_0 D-COHE=50.4 LeftWall_36
CHANGE Sch_168_22092_L_0 D-ADHES=0 LeftWall_36
SETWALL LeftWall_36
GEOM 0 0
SURCHARGE 0 0 0 0
WATER -4.3201 0.34439 -19.3 0 0
ENDSTEP

STEP Stage2-Prescavo_40026
CHANGE Ecla_20887_22088_L_0 U-KA=0.474 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-KP=3.375 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KA=0.365 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KP=1.38 LeftWall_36
CHANGE Salt_167_22090_L_0 U-KA=0.646 LeftWall_36
CHANGE Salt_167_22090_L_0 U-KP=3.461 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KA=0.345 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KP=1.356 LeftWall_36
CHANGE Sch_168_22092_L_0 U-KA=0.491 LeftWall_36
CHANGE Sch_168_22092_L_0 U-KP=4.464 LeftWall_36
CHANGE Sch_168_22092_L_0 D-KA=0.292 LeftWall_36
CHANGE Sch_168_22092_L_0 D-KP=1.755 LeftWall_36
SETWALL LeftWall_36
GEOM -0.1 -0.1
SURCHARGE 0 0 0 0
WATER -4.3201 0.34439 -19.3 0 0
ENDSTEP

STEP Stage3-Paratia_40248
SETWALL LeftWall_36
GEOM -0.1 -0.1
SURCHARGE 0 0 0 0
WATER -4.3201 0.34439 -19.3 0 0
ADD WallElement_23099
ENDSTEP

STEP Stage4-ScavoH=2m_40470
CHANGE Ecla_20887_22088_L_0 D-KA=0.432 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KP=2.542 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KA=0.404 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KP=2.066 LeftWall_36
CHANGE Sch_168_22092_L_0 D-KA=0.338 LeftWall_36
CHANGE Sch_168_22092_L_0 D-KP=2.495 LeftWall_36
SETWALL LeftWall_36
GEOM -0.1 -2.11
SURCHARGE 0 0 0 0
WATER -4.3201 0.34439 -19.3 0 0
ENDSTEP

STEP Stage5-ScavoH=4m_41742
CHANGE Ecla_20887_22088_L_0 D-KP=2.538 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KA=0.417 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KP=2.515 LeftWall_36
CHANGE Sch_168_22092_L_0 D-KA=0.349 LeftWall_36
CHANGE Sch_168_22092_L_0 D-KP=3.051 LeftWall_36
SETWALL LeftWall_36
GEOM -0.1 -4.11
SURCHARGE 0 0 0 0
WATER -4.3201 0.34439 -19.3 0 0
ENDSTEP

STEP Stage6-ScavoH=6.5m_41964
CHANGE Ecla_20887_22088_L_0 D-KP=2.535 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KP=2.764 LeftWall_36
CHANGE Sch_168_22092_L_0 D-KP=3.485 LeftWall_36
SETWALL LeftWall_36
GEOM -0.1 -6.6
SURCHARGE 0 0 0 0
WATER -6.5702 0.51203 -19.3 0 0
ENDSTEP

STEP Sismica_42606
SETWALL LeftWall_36
```

```
GEOM -0.1 -6.6
SURCHARGE 0 0 0 0
WATER -6.5702 0.51203 -19.3 0 0
CHANGE Ecla_20887_22088_L_0 U-KAED=0.56598 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-KAEW=0.68001 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-KPED=3.511 LeftWall_36
CHANGE Ecla_20887_22088_L_0 U-KPEW=3.4705 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KAED=0.47399 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KAEW=0.55588 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KPED=2.2967 LeftWall_36
CHANGE Ecla_20887_22088_L_0 D-KPEW=2.0935 LeftWall_36
CHANGE Salt_167_22090_L_0 U-KAED=0.963 LeftWall_36
CHANGE Salt_167_22090_L_0 U-KAEW=1.0293 LeftWall_36
CHANGE Salt_167_22090_L_0 U-KPED=3.5504 LeftWall_36
CHANGE Salt_167_22090_L_0 U-KPEW=3.4747 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KAED=0.45858 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KAEW=0.52891 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KPED=2.5241 LeftWall_36
CHANGE Salt_167_22090_L_0 D-KPEW=2.3507 LeftWall_36
CHANGE Sch_168_22092_L_0 U-KAED=0.64891 LeftWall_36
CHANGE Sch_168_22092_L_0 U-KAEW=0.9744 LeftWall_36
CHANGE Sch_168_22092_L_0 U-KPED=4.5548 LeftWall_36
CHANGE Sch_168_22092_L_0 U-KPEW=4.4709 LeftWall_36
CHANGE Sch_168_22092_L_0 D-KAED=0.38729 LeftWall_36
CHANGE Sch_168_22092_L_0 D-KAEW=0.43353 LeftWall_36
CHANGE Sch_168_22092_L_0 D-KPED=3.1946 LeftWall_36
CHANGE Sch_168_22092_L_0 D-KPEW=3.0453 LeftWall_36
EQK USER 0.0732 0.0366 -0.0366 0 0.5 0 0.5 0 0
* Defining seismic surcharge pressures on wall LeftWall_36
*          min elevation = -6,6
*          max elevation = -0,1
*          average gamma = 19,2
*                     kh = 0,0732
*                deltaQ = 22,26744
DLOAD step LeftWall_36 -6.6 3.4258 -0.1 3.4258
* Include pressure contribution from wall: LeftWall_36
* Include wall contribution
DLOAD step LeftWall_36 -6.6 1.9023 -0.1 1.9023
ENDSTEP
```

8.12. Design Assumption : SISMICA GEO - File di Paratie - File di output (.out)

```
+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*          |
|                                                                                                                   |
|                                                 ParatiePlus                                                       |
|                                    Exe Time :27 January 2022   16:41:02                                           |
+-------------------------------------------------------------------------------------------------------------------+

                  ********************************************************
                  *                                                      *
                  *  PARATIE PLUS Non-Linear Spring Engine               *
                  *                                                      *
                  *          AN ELASTOPLASTIC FINITE ELEMENT PROGRAM     *
                  *          FOR FLEXIBLE EARTH-RETAINING STRUCTURES     *
                  *                                                      *
                  *          Written by CEAS s.r.l. (ITALY)              *
                  *          with the scientific supervision of          *
                  *          Roberto Nova - full professor SOIL MECHANICS*
                  *          at Politecnico di Milano (ITALY)            *
                  *                                                      *
                  ********************************************************
                  *                                                      *
                  *  RELEASE   2022.0.0   *Build date:Sep 13, 2021*      *
                  *                                                      *
                  *                                                      *
                  *  CEAS S.R.L  VIALE   GIUSTINIANO 10                  *
                  *              20129   M I L A N O  (ITALIA)           *
                  *  TEL.        +39 02 2020221                          *
                  *                                                      *
                  *  email       bruno.becci@ceas.it                     *
                  *  Web Page    www.ceas.it     www.paratieplus.com     *
                  ********************************************************



 JOB : ParatiePlus
 STARTING
ACCEPTED   &lt;FILE,GENW                                                                    &gt;
ACCEPTED   &lt;FILE,PLOTTER,BINARY                                                          &gt;
ACCEPTED   &lt;SOLVE TOTAL_STRESS                                                           &gt;
ACCEPTED   &lt;PARAM ITEMAX 40                                                              &gt;
ACCEPTED   &lt;CONTROL CONTACT LAGRANGE                                                     &gt;
ACCEPTED   &lt;CONTROL HINGES 0 0.0001 0.001                                                &gt;
```

```
                    ********************************************************
                    *                                                      *
                    *  WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED  *
                    *    BY THE PROGRAM.                                   *
                    ********************************************************

 PRELIMINARY OPERATIONS CPU TIME     0.01 [sec]
```

```
+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                 ParatiePlus                                                           |
|                                  Exe Time :27 January 2022   16:41:02                                                 |
+-----------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................   97
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)...................... 194
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    3
NO. OF SOLUTION STEPS (NSTE)...................    7
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN ..................... 165
NO. OF LONG NAMES (LASTNAME) ..................   23
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
MAX INELASTIC DISPL. TABLE LENGTH..............    0
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


IDOFA (01) =  2  Y-DISPL.F
IDOFA (02) =  4   X-ROT. F

 RELEVANT ITEMS UNITS

 STRESSES                  kPa
 Y-DISPLACEMENTS           m
 ROTATIONS                 RADIANS
 BEAM AND SLAB MOMENTS     kN*m/m
 BEAM SHEAR FORCES         kN/m
 ANCHOR FORCES             kN/m
 AXIAL FORCES IN TRUSSES   kN/m
 AXIAL FORCES SPRINGS      kN/m
 Y-REACTIONS               kN/m
 X-MOMENT REACTIONS        kN*m/m
 ETC.
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*              |
|                                                                                                                         |
|                                              ParatiePlus                                                                |
|                                 Exe Time :27 January 2022   16:41:02                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
                  P R E P R O C E S S O R     D A T A

                  N O.  O F   C O M M A N D S    165

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
    4 : option param itemax 40
    5 : option control contact lagrange
    6 : option control hinges 0 0.0001 0.001
    7 : WALL LeftWall_36 0 -19.3 -0.1 1
    8 : SOIL 0_L LeftWall_36 -19.3 -0.1 1 0
    9 : SOIL 0_R LeftWall_36 -19.3 -0.1 2 180
   10 : LDATA Ecla_20887_22088_L_0 0 LeftWall_36
   11 : ATREST 0.5 0.5 1
   12 : WEIGHT 19 9 10
   13 : PERMEABILITY 1E-05
   14 : RESISTANCE 10 25 0 0 0
   15 : TZDATA  LINEAR 10000 0 25 0.5 0
   16 : KSCALE  0 0
   17 : YOUNG 30000 90000
   18 : ENDL
   19 : LDATA Salt_167_22090_L_0 -5.3 LeftWall_36
   20 : ATREST 0.5 0.5 1
   21 : WEIGHT 20 10 10
   22 : PERMEABILITY 1E-05
   23 : RESISTANCE 10 26 0 0 0
   24 : TZDATA  LINEAR 10000 0 25 0.5 0
   25 : KSCALE  0 0
   26 : YOUNG 2E+05 6E+05
   27 : ENDL
   28 : LDATA Sch_168_22092_L_0 -17.6 LeftWall_36
   29 : ATREST 0.5 0.5 1
   30 : WEIGHT 23 13 10
   31 : PERMEABILITY 1E-05
   32 : RESISTANCE 63 31 0 0 0
   33 : TZDATA  LINEAR 10000 0 25 0.5 0
   34 : KSCALE  0 0
   35 : YOUNG 1.35E+05 4.05E+05
   36 : ENDL
   37 : MATERIAL Fe360_114 2.06E+08
   38 : MATERIAL C3240_112 3.3346E+07
   39 : BEAM WallElement_23099 LeftWall_36 -19.3 -0.1 C3240_112 1.206 1.0395 0.14618 25.987 00 00 0
   40 : STEP Stage1_2689
   41 : CHANGE Ecla_20887_22088_L_0 U-FRICT=20.458 LeftWall_36
   42 : CHANGE Ecla_20887_22088_L_0 D-FRICT=20.458 LeftWall_36
   43 : CHANGE Ecla_20887_22088_L_0 U-KA=0.707 LeftWall_36
   44 : CHANGE Ecla_20887_22088_L_0 U-KP=3.377 LeftWall_36
   45 : CHANGE Ecla_20887_22088_L_0 D-KA=0.352 LeftWall_36
   46 : CHANGE Ecla_20887_22088_L_0 D-KP=1.224 LeftWall_36
   47 : CHANGE Salt_167_22090_L_0 U-FRICT=21.315 LeftWall_36
   48 : CHANGE Salt_167_22090_L_0 D-FRICT=21.315 LeftWall_36
   49 : CHANGE Salt_167_22090_L_0 U-KA=0.666 LeftWall_36
   50 : CHANGE Salt_167_22090_L_0 U-KP=3.457 LeftWall_36
   51 : CHANGE Salt_167_22090_L_0 D-KA=0.341 LeftWall_36
   52 : CHANGE Salt_167_22090_L_0 D-KP=1.307 LeftWall_36
   53 : CHANGE Sch_168_22092_L_0 U-FRICT=25.673 LeftWall_36
   54 : CHANGE Sch_168_22092_L_0 D-FRICT=25.673 LeftWall_36
   55 : CHANGE Sch_168_22092_L_0 U-KA=0.5 LeftWall_36
   56 : CHANGE Sch_168_22092_L_0 U-KP=4.457 LeftWall_36
   57 : CHANGE Sch_168_22092_L_0 D-KA=0.289 LeftWall_36
   58 : CHANGE Sch_168_22092_L_0 D-KP=1.711 LeftWall_36
   59 : CHANGE Ecla_20887_22088_L_0 U-COHE=8 LeftWall_36
   60 : CHANGE Ecla_20887_22088_L_0 U-ADHES=0 LeftWall_36
   61 : CHANGE Ecla_20887_22088_L_0 D-COHE=8 LeftWall_36
   62 : CHANGE Ecla_20887_22088_L_0 D-ADHES=0 LeftWall_36
   63 : CHANGE Salt_167_22090_L_0 U-COHE=8 LeftWall_36
   64 : CHANGE Salt_167_22090_L_0 U-ADHES=0 LeftWall_36
   65 : CHANGE Salt_167_22090_L_0 D-COHE=8 LeftWall_36
   66 : CHANGE Salt_167_22090_L_0 D-ADHES=0 LeftWall_36
   67 : CHANGE Sch_168_22092_L_0 U-COHE=50.4 LeftWall_36
   68 : CHANGE Sch_168_22092_L_0 U-ADHES=0 LeftWall_36
   69 : CHANGE Sch_168_22092_L_0 D-COHE=50.4 LeftWall_36
   70 : CHANGE Sch_168_22092_L_0 D-ADHES=0 LeftWall_36
   71 : SETWALL LeftWall_36
   72 : GEOM 0 0
   73 : SURCHARGE 0 0 0 0
   74 : WATER -4.3201 0.34439 -19.3 0 0
   75 : ENDSTEP
   76 : STEP Stage2-Prescavo_40026
   77 : CHANGE Ecla_20887_22088_L_0 U-KA=0.474 LeftWall_36
   78 : CHANGE Ecla_20887_22088_L_0 U-KP=3.375 LeftWall_36
   79 : CHANGE Ecla_20887_22088_L_0 D-KA=0.365 LeftWall_36
```

```
 80 : CHANGE Ecla_20887_22088_L_0 D-KP=1.38 LeftWall_36
 81 : CHANGE Salt_167_22090_L_0 U-KA=0.646 LeftWall_36
 82 : CHANGE Salt_167_22090_L_0 U-KP=3.461 LeftWall_36
 83 : CHANGE Salt_167_22090_L_0 D-KA=0.345 LeftWall_36
 84 : CHANGE Salt_167_22090_L_0 D-KP=1.356 LeftWall_36
 85 : CHANGE Sch_168_22092_L_0 U-KA=0.491 LeftWall_36
 86 : CHANGE Sch_168_22092_L_0 U-KP=4.464 LeftWall_36
 87 : CHANGE Sch_168_22092_L_0 D-KA=0.292 LeftWall_36
 88 : CHANGE Sch_168_22092_L_0 D-KP=1.755 LeftWall_36
 89 : SETWALL LeftWall_36
 90 : GEOM -0.1 -0.1
 91 : SURCHARGE 0 0 0 0
 92 : WATER -4.3201 0.34439 -19.3 0 0
 93 : ENDSTEP
 94 : STEP Stage3-Paratia_40248
 95 : SETWALL LeftWall_36
 96 : GEOM -0.1 -0.1
 97 : SURCHARGE 0 0 0 0
 98 : WATER -4.3201 0.34439 -19.3 0 0
 99 : ADD WallElement_23099
100 : ENDSTEP
101 : STEP Stage4-ScavoH=2m_40470
102 : CHANGE Ecla_20887_22088_L_0 D-KA=0.432 LeftWall_36
103 : CHANGE Ecla_20887_22088_L_0 D-KP=2.542 LeftWall_36
104 : CHANGE Salt_167_22090_L_0 D-KA=0.404 LeftWall_36
105 : CHANGE Salt_167_22090_L_0 D-KP=2.066 LeftWall_36
106 : CHANGE Sch_168_22092_L_0 D-KA=0.338 LeftWall_36
107 : CHANGE Sch_168_22092_L_0 D-KP=2.495 LeftWall_36
108 : SETWALL LeftWall_36
109 : GEOM -0.1 -2.11
110 : SURCHARGE 0 0 0 0
111 : WATER -4.3201 0.34439 -19.3 0 0
112 : ENDSTEP
113 : STEP Stage5-ScavoH=4m_41742
114 : CHANGE Ecla_20887_22088_L_0 D-KP=2.538 LeftWall_36
115 : CHANGE Salt_167_22090_L_0 D-KA=0.417 LeftWall_36
116 : CHANGE Salt_167_22090_L_0 D-KP=2.515 LeftWall_36
117 : CHANGE Sch_168_22092_L_0 D-KA=0.349 LeftWall_36
118 : CHANGE Sch_168_22092_L_0 D-KP=3.051 LeftWall_36
119 : SETWALL LeftWall_36
120 : GEOM -0.1 -4.11
121 : SURCHARGE 0 0 0 0
122 : WATER -4.3201 0.34439 -19.3 0 0
123 : ENDSTEP
124 : STEP Stage6-ScavoH=6.5m_41964
125 : CHANGE Ecla_20887_22088_L_0 D-KP=2.535 LeftWall_36
126 : CHANGE Salt_167_22090_L_0 D-KP=2.764 LeftWall_36
127 : CHANGE Sch_168_22092_L_0 D-KP=3.485 LeftWall_36
128 : SETWALL LeftWall_36
129 : GEOM -0.1 -6.6
130 : SURCHARGE 0 0 0 0
131 : WATER -6.5702 0.51203 -19.3 0 0
132 : ENDSTEP
133 : STEP Sismica_42606
134 : SETWALL LeftWall_36
135 : GEOM -0.1 -6.6
136 : SURCHARGE 0 0 0 0
137 : WATER -6.5702 0.51203 -19.3 0 0
138 : CHANGE Ecla_20887_22088_L_0 U-KAED=0.56598 LeftWall_36
139 : CHANGE Ecla_20887_22088_L_0 U-KAEW=0.68001 LeftWall_36
140 : CHANGE Ecla_20887_22088_L_0 U-KPED=3.511 LeftWall_36
141 : CHANGE Ecla_20887_22088_L_0 U-KPEW=3.4705 LeftWall_36
142 : CHANGE Ecla_20887_22088_L_0 D-KAED=0.47399 LeftWall_36
143 : CHANGE Ecla_20887_22088_L_0 D-KAEW=0.55588 LeftWall_36
144 : CHANGE Ecla_20887_22088_L_0 D-KPED=2.2967 LeftWall_36
145 : CHANGE Ecla_20887_22088_L_0 D-KPEW=2.0935 LeftWall_36
146 : CHANGE Salt_167_22090_L_0 U-KAED=0.963 LeftWall_36
147 : CHANGE Salt_167_22090_L_0 U-KAEW=1.0293 LeftWall_36
148 : CHANGE Salt_167_22090_L_0 U-KPED=3.5504 LeftWall_36
149 : CHANGE Salt_167_22090_L_0 U-KPEW=3.4747 LeftWall_36
150 : CHANGE Salt_167_22090_L_0 D-KAED=0.45858 LeftWall_36
151 : CHANGE Salt_167_22090_L_0 D-KAEW=0.52891 LeftWall_36
152 : CHANGE Salt_167_22090_L_0 D-KPED=2.5241 LeftWall_36
153 : CHANGE Salt_167_22090_L_0 D-KPEW=2.3507 LeftWall_36
154 : CHANGE Sch_168_22092_L_0 U-KAED=0.64891 LeftWall_36
155 : CHANGE Sch_168_22092_L_0 U-KAEW=0.9744 LeftWall_36
156 : CHANGE Sch_168_22092_L_0 U-KPED=4.5548 LeftWall_36
157 : CHANGE Sch_168_22092_L_0 U-KPEW=4.4709 LeftWall_36
158 : CHANGE Sch_168_22092_L_0 D-KAED=0.38729 LeftWall_36
159 : CHANGE Sch_168_22092_L_0 D-KAEW=0.43353 LeftWall_36
160 : CHANGE Sch_168_22092_L_0 D-KPED=3.1946 LeftWall_36
161 : CHANGE Sch_168_22092_L_0 D-KPEW=3.0453 LeftWall_36
162 : EQK USER 0.0732 0.0366 -0.0366 0 0.5 0 0.5 0 0
163 : DLOAD step LeftWall_36 -6.6 3.4258 -0.1 3.4258
164 : DLOAD step LeftWall_36 -6.6 1.9023 -0.1 1.9023
165 : ENDSTEP
```

N O D A L P O I N T D A T A

NODE	Y-COORD	Z-COORD	/ NODE	Y-COORD	Z-COORD	/ NODE	Y-COORD	Z-COORD	/ NODE	Y-COORD	Z-COORD	/
1	0.0000	-0.10000	/ 2	0.0000	-0.30000	/ 3	0.0000	-0.50000	/ 4	0.0000	-0.70000	/
5	0.0000	-0.90000	/ 6	0.0000	-1.1000	/ 7	0.0000	-1.3000	/ 8	0.0000	-1.5000	/
9	0.0000	-1.7000	/ 10	0.0000	-1.9000	/ 11	0.0000	-2.1000	/ 12	0.0000	-2.3000	/
13	0.0000	-2.5000	/ 14	0.0000	-2.7000	/ 15	0.0000	-2.9000	/ 16	0.0000	-3.1000	/
17	0.0000	-3.3000	/ 18	0.0000	-3.5000	/ 19	0.0000	-3.7000	/ 20	0.0000	-3.9000	/
21	0.0000	-4.1000	/ 22	0.0000	-4.3000	/ 23	0.0000	-4.5000	/ 24	0.0000	-4.7000	/
25	0.0000	-4.9000	/ 26	0.0000	-5.1000	/ 27	0.0000	-5.3000	/ 28	0.0000	-5.5000	/
29	0.0000	-5.7000	/ 30	0.0000	-5.9000	/ 31	0.0000	-6.1000	/ 32	0.0000	-6.3000	/
33	0.0000	-6.5000	/ 34	0.0000	-6.7000	/ 35	0.0000	-6.9000	/ 36	0.0000	-7.1000	/
37	0.0000	-7.3000	/ 38	0.0000	-7.5000	/ 39	0.0000	-7.7000	/ 40	0.0000	-7.9000	/
41	0.0000	-8.1000	/ 42	0.0000	-8.3000	/ 43	0.0000	-8.5000	/ 44	0.0000	-8.7000	/
45	0.0000	-8.9000	/ 46	0.0000	-9.1000	/ 47	0.0000	-9.3000	/ 48	0.0000	-9.5000	/
49	0.0000	-9.7000	/ 50	0.0000	-9.9000	/ 51	0.0000	-10.100	/ 52	0.0000	-10.300	/
53	0.0000	-10.500	/ 54	0.0000	-10.700	/ 55	0.0000	-10.900	/ 56	0.0000	-11.100	/
57	0.0000	-11.300	/ 58	0.0000	-11.500	/ 59	0.0000	-11.700	/ 60	0.0000	-11.900	/
61	0.0000	-12.100	/ 62	0.0000	-12.300	/ 63	0.0000	-12.500	/ 64	0.0000	-12.700	/
65	0.0000	-12.900	/ 66	0.0000	-13.100	/ 67	0.0000	-13.300	/ 68	0.0000	-13.500	/
69	0.0000	-13.700	/ 70	0.0000	-13.900	/ 71	0.0000	-14.100	/ 72	0.0000	-14.300	/
73	0.0000	-14.500	/ 74	0.0000	-14.700	/ 75	0.0000	-14.900	/ 76	0.0000	-15.100	/
77	0.0000	-15.300	/ 78	0.0000	-15.500	/ 79	0.0000	-15.700	/ 80	0.0000	-15.900	/
81	0.0000	-16.100	/ 82	0.0000	-16.300	/ 83	0.0000	-16.500	/ 84	0.0000	-16.700	/
85	0.0000	-16.900	/ 86	0.0000	-17.100	/ 87	0.0000	-17.300	/ 88	0.0000	-17.500	/
89	0.0000	-17.700	/ 90	0.0000	-17.900	/ 91	0.0000	-18.100	/ 92	0.0000	-18.300	/
93	0.0000	-18.500	/ 94	0.0000	-18.700	/ 95	0.0000	-18.900	/ 96	0.0000	-19.100	/
97	0.0000	-19.300	/									

```
+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :27 January 2022   16:41:02                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                                                        :
   5  97   0   1   0   0   0   0   0   0   0   0   0   0   3   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active
    7   active

 material set no.    1

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  2.00000


 material set no.    3

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  3.00000


 element data

   el    n  mat      area     .....     .....     .....      flag
-------------------------------------------------------------------

    1    1    1    0.1000       0.000       0.000       0.000       1.000
    2    2    1    0.2000       0.000       0.000       0.000       1.000
    3    3    1    0.2000       0.000       0.000       0.000       1.000
    4    4    1    0.2000       0.000       0.000       0.000       1.000
    5    5    1    0.2000       0.000       0.000       0.000       1.000
    6    6    1    0.2000       0.000       0.000       0.000       1.000
    7    7    1    0.2000       0.000       0.000       0.000       1.000
    8    8    1    0.2000       0.000       0.000       0.000       1.000
    9    9    1    0.2000       0.000       0.000       0.000       1.000
   10   10    1    0.2000       0.000       0.000       0.000       1.000
   11   11    1    0.2000       0.000       0.000       0.000       1.000
   12   12    1    0.2000       0.000       0.000       0.000       1.000
   13   13    1    0.2000       0.000       0.000       0.000       1.000
   14   14    1    0.2000       0.000       0.000       0.000       1.000
   15   15    1    0.2000       0.000       0.000       0.000       1.000
   16   16    1    0.2000       0.000       0.000       0.000       1.000
   17   17    1    0.2000       0.000       0.000       0.000       1.000
   18   18    1    0.2000       0.000       0.000       0.000       1.000
   19   19    1    0.2000       0.000       0.000       0.000       1.000
   20   20    1    0.2000       0.000       0.000       0.000       1.000
   21   21    1    0.2000       0.000       0.000       0.000       1.000
   22   22    1    0.2000       0.000       0.000       0.000       1.000
   23   23    1    0.2000       0.000       0.000       0.000       1.000
   24   24    1    0.2000       0.000       0.000       0.000       1.000
   25   25    1    0.2000       0.000       0.000       0.000       1.000
   26   26    1    0.2000       0.000       0.000       0.000       1.000
   27   27    1    0.2000       0.000       0.000       0.000       1.000
   28   28    2    0.2000       0.000       0.000       0.000       1.000
   29   29    2    0.2000       0.000       0.000       0.000       1.000
   30   30    2    0.2000       0.000       0.000       0.000       1.000
   31   31    2    0.2000       0.000       0.000       0.000       1.000
   32   32    2    0.2000       0.000       0.000       0.000       1.000
   33   33    2    0.2000       0.000       0.000       0.000       1.000
   34   34    2    0.2000       0.000       0.000       0.000       1.000
   35   35    2    0.2000       0.000       0.000       0.000       1.000
   36   36    2    0.2000       0.000       0.000       0.000       1.000
   37   37    2    0.2000       0.000       0.000       0.000       1.000
   38   38    2    0.2000       0.000       0.000       0.000       1.000
   39   39    2    0.2000       0.000       0.000       0.000       1.000
   40   40    2    0.2000       0.000       0.000       0.000       1.000
```

41	41	2	0.2000	0.000	0.000	0.000	1.000
42	42	2	0.2000	0.000	0.000	0.000	1.000
43	43	2	0.2000	0.000	0.000	0.000	1.000
44	44	2	0.2000	0.000	0.000	0.000	1.000
45	45	2	0.2000	0.000	0.000	0.000	1.000
46	46	2	0.2000	0.000	0.000	0.000	1.000
47	47	2	0.2000	0.000	0.000	0.000	1.000
48	48	2	0.2000	0.000	0.000	0.000	1.000
49	49	2	0.2000	0.000	0.000	0.000	1.000
50	50	2	0.2000	0.000	0.000	0.000	1.000
51	51	2	0.2000	0.000	0.000	0.000	1.000
52	52	2	0.2000	0.000	0.000	0.000	1.000
53	53	2	0.2000	0.000	0.000	0.000	1.000
54	54	2	0.2000	0.000	0.000	0.000	1.000
55	55	2	0.2000	0.000	0.000	0.000	1.000
56	56	2	0.2000	0.000	0.000	0.000	1.000
57	57	2	0.2000	0.000	0.000	0.000	1.000
58	58	2	0.2000	0.000	0.000	0.000	1.000
59	59	2	0.2000	0.000	0.000	0.000	1.000
60	60	2	0.2000	0.000	0.000	0.000	1.000
61	61	2	0.2000	0.000	0.000	0.000	1.000
62	62	2	0.2000	0.000	0.000	0.000	1.000
63	63	2	0.2000	0.000	0.000	0.000	1.000
64	64	2	0.2000	0.000	0.000	0.000	1.000
65	65	2	0.2000	0.000	0.000	0.000	1.000
66	66	2	0.2000	0.000	0.000	0.000	1.000
67	67	2	0.2000	0.000	0.000	0.000	1.000
68	68	2	0.2000	0.000	0.000	0.000	1.000
69	69	2	0.2000	0.000	0.000	0.000	1.000
70	70	2	0.2000	0.000	0.000	0.000	1.000
71	71	2	0.2000	0.000	0.000	0.000	1.000
72	72	2	0.2000	0.000	0.000	0.000	1.000
73	73	2	0.2000	0.000	0.000	0.000	1.000
74	74	2	0.2000	0.000	0.000	0.000	1.000
75	75	2	0.2000	0.000	0.000	0.000	1.000
76	76	2	0.2000	0.000	0.000	0.000	1.000
77	77	2	0.2000	0.000	0.000	0.000	1.000
78	78	2	0.2000	0.000	0.000	0.000	1.000
79	79	2	0.2000	0.000	0.000	0.000	1.000
80	80	2	0.2000	0.000	0.000	0.000	1.000
81	81	2	0.2000	0.000	0.000	0.000	1.000
82	82	2	0.2000	0.000	0.000	0.000	1.000
83	83	2	0.2000	0.000	0.000	0.000	1.000
84	84	2	0.2000	0.000	0.000	0.000	1.000
85	85	2	0.2000	0.000	0.000	0.000	1.000
86	86	2	0.2000	0.000	0.000	0.000	1.000
87	87	2	0.2000	0.000	0.000	0.000	1.000
88	88	2	0.2000	0.000	0.000	0.000	1.000
89	89	3	0.2000	0.000	0.000	0.000	1.000
90	90	3	0.2000	0.000	0.000	0.000	1.000
91	91	3	0.2000	0.000	0.000	0.000	1.000
92	92	3	0.2000	0.000	0.000	0.000	1.000
93	93	3	0.2000	0.000	0.000	0.000	1.000
94	94	3	0.2000	0.000	0.000	0.000	1.000
95	95	3	0.2000	0.000	0.000	0.000	1.000
96	96	3	0.2000	0.000	0.000	0.000	1.000
97	97	3	0.1000	0.000	0.000	0.000	1.000

```
+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :27 January 2022   16:41:02                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                                                        :
   5  97   0   1   0   0   0   0   0   0   0   0   0   0   3   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active
    7   active

 material set no.    1

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  2.00000


 material set no.    3

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  3.00000


 element data

   el    n  mat      area     .....     .....     .....      flag
-----------------------------------------------------------------

    1    1    1    0.1000       0.000       0.000       0.000       2.000
    2    2    1    0.2000       0.000       0.000       0.000       2.000
    3    3    1    0.2000       0.000       0.000       0.000       2.000
    4    4    1    0.2000       0.000       0.000       0.000       2.000
    5    5    1    0.2000       0.000       0.000       0.000       2.000
    6    6    1    0.2000       0.000       0.000       0.000       2.000
    7    7    1    0.2000       0.000       0.000       0.000       2.000
    8    8    1    0.2000       0.000       0.000       0.000       2.000
    9    9    1    0.2000       0.000       0.000       0.000       2.000
   10   10    1    0.2000       0.000       0.000       0.000       2.000
   11   11    1    0.2000       0.000       0.000       0.000       2.000
   12   12    1    0.2000       0.000       0.000       0.000       2.000
   13   13    1    0.2000       0.000       0.000       0.000       2.000
   14   14    1    0.2000       0.000       0.000       0.000       2.000
   15   15    1    0.2000       0.000       0.000       0.000       2.000
   16   16    1    0.2000       0.000       0.000       0.000       2.000
   17   17    1    0.2000       0.000       0.000       0.000       2.000
   18   18    1    0.2000       0.000       0.000       0.000       2.000
   19   19    1    0.2000       0.000       0.000       0.000       2.000
   20   20    1    0.2000       0.000       0.000       0.000       2.000
   21   21    1    0.2000       0.000       0.000       0.000       2.000
   22   22    1    0.2000       0.000       0.000       0.000       2.000
   23   23    1    0.2000       0.000       0.000       0.000       2.000
   24   24    1    0.2000       0.000       0.000       0.000       2.000
   25   25    1    0.2000       0.000       0.000       0.000       2.000
   26   26    1    0.2000       0.000       0.000       0.000       2.000
   27   27    1    0.2000       0.000       0.000       0.000       2.000
   28   28    2    0.2000       0.000       0.000       0.000       2.000
   29   29    2    0.2000       0.000       0.000       0.000       2.000
   30   30    2    0.2000       0.000       0.000       0.000       2.000
   31   31    2    0.2000       0.000       0.000       0.000       2.000
   32   32    2    0.2000       0.000       0.000       0.000       2.000
   33   33    2    0.2000       0.000       0.000       0.000       2.000
   34   34    2    0.2000       0.000       0.000       0.000       2.000
   35   35    2    0.2000       0.000       0.000       0.000       2.000
   36   36    2    0.2000       0.000       0.000       0.000       2.000
   37   37    2    0.2000       0.000       0.000       0.000       2.000
   38   38    2    0.2000       0.000       0.000       0.000       2.000
   39   39    2    0.2000       0.000       0.000       0.000       2.000
   40   40    2    0.2000       0.000       0.000       0.000       2.000
```

41	41	2	0.2000	0.000	0.000	0.000	2.000
42	42	2	0.2000	0.000	0.000	0.000	2.000
43	43	2	0.2000	0.000	0.000	0.000	2.000
44	44	2	0.2000	0.000	0.000	0.000	2.000
45	45	2	0.2000	0.000	0.000	0.000	2.000
46	46	2	0.2000	0.000	0.000	0.000	2.000
47	47	2	0.2000	0.000	0.000	0.000	2.000
48	48	2	0.2000	0.000	0.000	0.000	2.000
49	49	2	0.2000	0.000	0.000	0.000	2.000
50	50	2	0.2000	0.000	0.000	0.000	2.000
51	51	2	0.2000	0.000	0.000	0.000	2.000
52	52	2	0.2000	0.000	0.000	0.000	2.000
53	53	2	0.2000	0.000	0.000	0.000	2.000
54	54	2	0.2000	0.000	0.000	0.000	2.000
55	55	2	0.2000	0.000	0.000	0.000	2.000
56	56	2	0.2000	0.000	0.000	0.000	2.000
57	57	2	0.2000	0.000	0.000	0.000	2.000
58	58	2	0.2000	0.000	0.000	0.000	2.000
59	59	2	0.2000	0.000	0.000	0.000	2.000
60	60	2	0.2000	0.000	0.000	0.000	2.000
61	61	2	0.2000	0.000	0.000	0.000	2.000
62	62	2	0.2000	0.000	0.000	0.000	2.000
63	63	2	0.2000	0.000	0.000	0.000	2.000
64	64	2	0.2000	0.000	0.000	0.000	2.000
65	65	2	0.2000	0.000	0.000	0.000	2.000
66	66	2	0.2000	0.000	0.000	0.000	2.000
67	67	2	0.2000	0.000	0.000	0.000	2.000
68	68	2	0.2000	0.000	0.000	0.000	2.000
69	69	2	0.2000	0.000	0.000	0.000	2.000
70	70	2	0.2000	0.000	0.000	0.000	2.000
71	71	2	0.2000	0.000	0.000	0.000	2.000
72	72	2	0.2000	0.000	0.000	0.000	2.000
73	73	2	0.2000	0.000	0.000	0.000	2.000
74	74	2	0.2000	0.000	0.000	0.000	2.000
75	75	2	0.2000	0.000	0.000	0.000	2.000
76	76	2	0.2000	0.000	0.000	0.000	2.000
77	77	2	0.2000	0.000	0.000	0.000	2.000
78	78	2	0.2000	0.000	0.000	0.000	2.000
79	79	2	0.2000	0.000	0.000	0.000	2.000
80	80	2	0.2000	0.000	0.000	0.000	2.000
81	81	2	0.2000	0.000	0.000	0.000	2.000
82	82	2	0.2000	0.000	0.000	0.000	2.000
83	83	2	0.2000	0.000	0.000	0.000	2.000
84	84	2	0.2000	0.000	0.000	0.000	2.000
85	85	2	0.2000	0.000	0.000	0.000	2.000
86	86	2	0.2000	0.000	0.000	0.000	2.000
87	87	2	0.2000	0.000	0.000	0.000	2.000
88	88	2	0.2000	0.000	0.000	0.000	2.000
89	89	3	0.2000	0.000	0.000	0.000	2.000
90	90	3	0.2000	0.000	0.000	0.000	2.000
91	91	3	0.2000	0.000	0.000	0.000	2.000
92	92	3	0.2000	0.000	0.000	0.000	2.000
93	93	3	0.2000	0.000	0.000	0.000	2.000
94	94	3	0.2000	0.000	0.000	0.000	2.000
95	95	3	0.2000	0.000	0.000	0.000	2.000
96	96	3	0.2000	0.000	0.000	0.000	2.000
97	97	3	0.1000	0.000	0.000	0.000	2.000

ELEMENT GROUP NO. 3

WallElement_23099 :
2 96 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0
.....
.....2D WALL ELEMENT.....
.....

element group behaviour throughout stage analysis

stage	status
1	inactive
2	inactive
3	active
4	active
5	active
6	active
7	active

material set no. 1

prop(1) young modulus 0.333500E+08
prop(2) modification time 0.00000
prop(3) new young modulus 0.00000
prop(4) poisson ratio 0.00000
prop(5) future 0.00000

no. of step variable items: 1

step	inertia multipier
1	1.000
2	1.000
3	1.000
4	1.000
5	1.000
6	1.000
7	1.000

element data

el	na	nb	mat	erc1	erc2	thick	area	inertia	wgt(-z)	by-i	by-j
1	1	2	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
2	2	3	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
3	3	4	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
4	4	5	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
5	5	6	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
6	6	7	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
7	7	8	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
8	8	9	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
9	9	10	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
10	10	11	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
11	11	12	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
12	12	13	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
13	13	14	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
14	14	15	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
15	15	16	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
16	16	17	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
17	17	18	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
18	18	19	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
19	19	20	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
20	20	21	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
21	21	22	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
22	22	23	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
23	23	24	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
24	24	25	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
25	25	26	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
26	26	27	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
27	27	28	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
28	28	29	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
29	29	30	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
30	30	31	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
31	31	32	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
32	32	33	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
33	33	34	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
34	34	35	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
35	35	36	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
36	36	37	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
37	37	38	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
38	38	39	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
39	39	40	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000

40	40	41	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
41	41	42	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
42	42	43	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
43	43	44	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
44	44	45	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
45	45	46	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
46	46	47	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
47	47	48	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
48	48	49	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
49	49	50	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
50	50	51	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
51	51	52	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
52	52	53	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
53	53	54	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
54	54	55	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
55	55	56	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
56	56	57	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
57	57	58	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
58	58	59	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
59	59	60	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
60	60	61	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
61	61	62	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
62	62	63	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
63	63	64	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
64	64	65	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
65	65	66	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
66	66	67	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
67	67	68	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
68	68	69	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
69	69	70	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
70	70	71	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
71	71	72	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
72	72	73	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
73	73	74	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
74	74	75	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
75	75	76	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
76	76	77	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
77	77	78	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
78	78	79	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
79	79	80	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
80	80	81	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
81	81	82	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
82	82	83	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
83	83	84	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
84	84	85	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
85	85	86	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
86	86	87	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
87	87	88	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
88	88	89	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
89	89	90	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
90	90	91	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
91	91	92	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
92	92	93	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
93	93	94	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
94	94	95	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
95	95	96	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
96	96	97	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000

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+-------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*           |
|                                                                                                                   |
|                                                ParatiePlus                                                        |
|                                  Exe Time :27 January 2022   16:41:02                                             |
+-------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ..................    0
NO. OF LOAD CURVES  (NLCUR) ..................   14
MAXIMUM POINTS/LCURVE (NPTM)..................    5
```

L O A D D A T A

LOAD FUNCTION NUMBER = 1
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
0.80000	0.0000E+00
1.00000	0.1000E+01
1.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 2
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
1.80000	0.0000E+00
2.00000	0.1000E+01
2.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 3
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
2.80000	0.0000E+00
3.00000	0.1000E+01
3.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 4
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
3.80000	0.0000E+00
4.00000	0.1000E+01
4.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 5
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
4.80000	0.0000E+00
5.00000	0.1000E+01
5.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 6
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
5.80000	0.0000E+00
6.00000	0.1000E+01
6.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 7

```
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   6.80000    0.0000E+00
   7.00000    0.1000E+01
   7.20000    0.0000E+00
   8.00000    0.0000E+00



LOAD FUNCTION NUMBER   =    8
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   0.80000    0.0000E+00
   1.00000    0.1000E+01
   8.00000    0.1000E+01



LOAD FUNCTION NUMBER   =    9
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   1.80000    0.0000E+00
   2.00000    0.1000E+01
   8.00000    0.1000E+01



LOAD FUNCTION NUMBER   =   10
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   2.80000    0.0000E+00
   3.00000    0.1000E+01
   8.00000    0.1000E+01



LOAD FUNCTION NUMBER   =   11
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   3.80000    0.0000E+00
   4.00000    0.1000E+01
   8.00000    0.1000E+01



LOAD FUNCTION NUMBER   =   12
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   4.80000    0.0000E+00
   5.00000    0.1000E+01
   8.00000    0.1000E+01



LOAD FUNCTION NUMBER   =   13
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   5.80000    0.0000E+00
   6.00000    0.1000E+01
   8.00000    0.1000E+01



LOAD FUNCTION NUMBER   =   14
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   6.80000    0.0000E+00
   7.00000    0.1000E+01
```

8.00000 0.1000E+01

PROCESSING DISTRIBUTED LOADS CARD NO. 1
AT Y-COORD 0.000 Z-COORD -6.600 PRESSURE 3.426
Z-COORD -.1000 PRESSURE 3.426
L.CURVE 7

NO. OF GENERATED NODAL FORCES 33

NODE	Z-LVL	FORCE /	NODE	Z-LVL	FORCE /	NODE	Z-LVL	FORCE /
33	-.6500E+01	0.5165800E+00 /	32	-.6300E+01	0.6905532E+00 /	31	-.6100E+01	0.6905515E+00 /
30	-.5900E+01	0.6905515E+00 /	29	-.5700E+01	0.6905532E+00 /	28	-.5500E+01	0.6905532E+00 /
27	-.5300E+01	0.6905532E+00 /	26	-.5100E+01	0.6905515E+00 /	25	-.4900E+01	0.6905515E+00 /
24	-.4700E+01	0.6905532E+00 /	23	-.4500E+01	0.6905532E+00 /	22	-.4300E+01	0.6905532E+00 /
21	-.4100E+01	0.6905515E+00 /	20	-.3900E+01	0.6905515E+00 /	19	-.3700E+01	0.6905549E+00 /
18	-.3500E+01	0.6905549E+00 /	17	-.3300E+01	0.6905532E+00 /	16	-.3100E+01	0.6905532E+00 /
15	-.2900E+01	0.6905532E+00 /	14	-.2700E+01	0.6905532E+00 /	13	-.2500E+01	0.6905532E+00 /
12	-.2300E+01	0.6905532E+00 /	11	-.2100E+01	0.6905532E+00 /	10	-.1900E+01	0.6905532E+00 /
9	-.1700E+01	0.6905532E+00 /	8	-.1500E+01	0.6905532E+00 /	7	-.1300E+01	0.6905532E+00 /
6	-.1100E+01	0.6905532E+00 /	5	-.9000E+00	0.6905532E+00 /	4	-.7000E+00	0.6905532E+00 /
3	-.5000E+00	0.6905532E+00 /	2	-.3000E+00	0.6905532E+00 /	1	-.1000E+00	0.3452766E+00 /

OVERALL APPLIED Y FORCE FOR CURRENT DISTRIBUTED LOAD 22.269

PROCESSING DISTRIBUTED LOADS CARD NO. 2
AT Y-COORD 0.000 Z-COORD -6.600 PRESSURE 1.902
Z-COORD -.1000 PRESSURE 1.902
L.CURVE 7

NO. OF GENERATED NODAL FORCES 33

NODE	Z-LVL	FORCE /	NODE	Z-LVL	FORCE /	NODE	Z-LVL	FORCE /
33	-.6500E+01	0.2867879E+00 /	32	-.6300E+01	0.3833719E+00 /	31	-.6100E+01	0.3833710E+00 /
30	-.5900E+01	0.3833710E+00 /	29	-.5700E+01	0.3833719E+00 /	28	-.5500E+01	0.3833719E+00 /
27	-.5300E+01	0.3833719E+00 /	26	-.5100E+01	0.3833710E+00 /	25	-.4900E+01	0.3833710E+00 /
24	-.4700E+01	0.3833719E+00 /	23	-.4500E+01	0.3833719E+00 /	22	-.4300E+01	0.3833719E+00 /
21	-.4100E+01	0.3833710E+00 /	20	-.3900E+01	0.3833710E+00 /	19	-.3700E+01	0.3833729E+00 /
18	-.3500E+01	0.3833729E+00 /	17	-.3300E+01	0.3833719E+00 /	16	-.3100E+01	0.3833719E+00 /
15	-.2900E+01	0.3833719E+00 /	14	-.2700E+01	0.3833719E+00 /	13	-.2500E+01	0.3833719E+00 /
12	-.2300E+01	0.3833719E+00 /	11	-.2100E+01	0.3833719E+00 /	10	-.1900E+01	0.3833719E+00 /
9	-.1700E+01	0.3833719E+00 /	8	-.1500E+01	0.3833719E+00 /	7	-.1300E+01	0.3833719E+00 /
6	-.1100E+01	0.3833719E+00 /	5	-.9000E+00	0.3833719E+00 /	4	-.7000E+00	0.3833719E+00 /
3	-.5000E+00	0.3833719E+00 /	2	-.3000E+00	0.3833719E+00 /	1	-.1000E+00	0.1916860E+00 /

OVERALL APPLIED Y FORCE FOR CURRENT DISTRIBUTED LOAD 12.363

NO. OF DISTRIBUTED LOAD CARDS 2

L O A D B A L A N C E

STEP 1 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 0.0000000
STEP 1 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

STEP 2 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 0.0000000
STEP 2 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

STEP 3 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 0.0000000
STEP 3 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

STEP 4 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 0.0000000
STEP 4 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

STEP 5 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 0.0000000
STEP 5 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

STEP 6 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 0.0000000
STEP 6 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

STEP 7 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 34.632000
STEP 7 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

LOAD INPUT SECTION COMPLETED

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                Exe Time :27 January 2022   16:41:02                                                   |
+-----------------------------------------------------------------------------------------------------------------------+


NO. OF LAYERS ..............................    3
NO. OF DATA PER LAYER.......................  160
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LAYER DESCRIPTORS FOR STEP NO. 1

NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 1 FOR STEP NO. 1

ITEM NO. 1<NAME >= 18.000 (BOTH WALLS)
ITEM NO. 2<NATURE >= 1.0000 (BOTH WALLS)
ITEM NO. 3<LEVEL >= 0.0000 (BOTH WALLS)
ITEM NO. 4<WALL >= 1.0000 (BOTH WALLS)
ITEM NO. 5<GAMMAD >= 19.000 (BOTH WALLS)
ITEM NO. 6<GAMMAB >= 9.0000 (BOTH WALLS)
ITEM NO. 7<GAMMAW >= 10.000 (BOTH WALLS)
ITEM NO. 8<U-COHE >= 8.0000 WALL NO. 1
ITEM NO. 8<U-COHE >= 10.000 WALL NO. 2
ITEM NO. 9<U-FRICT >= 20.458 WALL NO. 1
ITEM NO. 9<U-FRICT >= 25.000 WALL NO. 2
ITEM NO. 10<U-KA >= 0.70700 WALL NO. 1
ITEM NO. 11<U-KP >= 3.3770 WALL NO. 1
ITEM NO. 12<K0-NC >= 0.50000 (BOTH WALLS)
ITEM NO. 13<NEXP >= 0.50000 (BOTH WALLS)
ITEM NO. 14<OCR >= 1.0000 (BOTH WALLS)
ITEM NO. 16<MODEL >= 1.0000 (BOTH WALLS)
ITEM NO. 17<EVC >= 30000. (BOTH WALLS)
ITEM NO. 18<EUR >= 90000. (BOTH WALLS)
ITEM NO. 27<U-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 58<U-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 60<U-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 61<U-TZALPH>= 0.50000 (BOTH WALLS)
ITEM NO. 82<D-NATURE>= 1.0000 (BOTH WALLS)
ITEM NO. 83<D-LEVEL >= 0.0000 (BOTH WALLS)
ITEM NO. 88<D-COHE >= 8.0000 WALL NO. 1
ITEM NO. 88<D-COHE >= 10.000 WALL NO. 2
ITEM NO. 89<D-FRICT >= 20.458 WALL NO. 1
ITEM NO. 89<D-FRICT >= 25.000 WALL NO. 2
ITEM NO. 90<D-KA >= 0.35200 WALL NO. 1
ITEM NO. 91<D-KP >= 1.2240 WALL NO. 1
ITEM NO. 107<D-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138<D-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 140<D-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 141<D-TZALPH>= 0.50000 (BOTH WALLS)

NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 2 FOR STEP NO. 1

ITEM NO. 1<NAME >= 19.000 (BOTH WALLS)
ITEM NO. 2<NATURE >= 1.0000 (BOTH WALLS)
ITEM NO. 3<LEVEL >= -5.3000 (BOTH WALLS)
ITEM NO. 4<WALL >= 1.0000 (BOTH WALLS)
ITEM NO. 5<GAMMAD >= 20.000 (BOTH WALLS)
ITEM NO. 6<GAMMAB >= 10.000 (BOTH WALLS)
ITEM NO. 7<GAMMAW >= 10.000 (BOTH WALLS)
ITEM NO. 8<U-COHE >= 8.0000 WALL NO. 1
ITEM NO. 8<U-COHE >= 10.000 WALL NO. 2
ITEM NO. 9<U-FRICT >= 21.315 WALL NO. 1
ITEM NO. 9<U-FRICT >= 26.000 WALL NO. 2
ITEM NO. 10<U-KA >= 0.66600 WALL NO. 1
ITEM NO. 11<U-KP >= 3.4570 WALL NO. 1
ITEM NO. 12<K0-NC >= 0.50000 (BOTH WALLS)
ITEM NO. 13<NEXP >= 0.50000 (BOTH WALLS)
ITEM NO. 14<OCR >= 1.0000 (BOTH WALLS)
ITEM NO. 16<MODEL >= 1.0000 (BOTH WALLS)
ITEM NO. 17<EVC >= 0.20000E+06 (BOTH WALLS)
ITEM NO. 18<EUR >= 0.60000E+06 (BOTH WALLS)
ITEM NO. 27<U-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 58<U-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 60<U-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 61<U-TZALPH>= 0.50000 (BOTH WALLS)
ITEM NO. 82<D-NATURE>= 1.0000 (BOTH WALLS)
ITEM NO. 83<D-LEVEL >= 0.0000 (BOTH WALLS)
ITEM NO. 88<D-COHE >= 8.0000 WALL NO. 1
ITEM NO. 88<D-COHE >= 10.000 WALL NO. 2
ITEM NO. 89<D-FRICT >= 21.315 WALL NO. 1
ITEM NO. 89<D-FRICT >= 26.000 WALL NO. 2
ITEM NO. 90<D-KA >= 0.34100 WALL NO. 1
ITEM NO. 91<D-KP >= 1.3070 WALL NO. 1
ITEM NO. 107<D-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138<D-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 140<D-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 141<D-TZALPH>= 0.50000 (BOTH WALLS)

NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 3 FOR STEP NO. 1

ITEM NO. 1<NAME >= 20.000 (BOTH WALLS)

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ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -17.600     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  23.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  13.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  50.400     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  63.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  25.673     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  31.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.50000     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.4570     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.13500E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.40500E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  50.400     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  63.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  25.673     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  31.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.28900     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.7110     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    2

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  20.458     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  25.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.47400     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  3.3750     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  20.458     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  25.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.36500     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.3800     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    2

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -5.3000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  21.315     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.64600     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  3.4610     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
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ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  21.315     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.34500     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.3560     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    3 FOR STEP NO.    2

ITEM NO.   1&lt;NAME    &gt;=  20.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -17.600     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  23.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  13.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  50.400     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  63.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  25.673     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  31.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.49100     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.4640     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.13500E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.40500E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  50.400     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  63.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  25.673     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  31.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.29200     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.7550     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    3

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  20.458     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  25.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.47400     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  3.3750     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     WALL NO.        2
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ITEM NO.  89&lt;D-FRICT &gt;=  20.458     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  25.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.36500     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.3800     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    3

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -5.3000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  21.315     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.64600     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  3.4610     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  21.315     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.34500     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.3560     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    3 FOR STEP NO.    3

ITEM NO.   1&lt;NAME    &gt;=  20.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -17.600     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  23.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  13.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  50.400     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  63.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  25.673     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  31.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.49100     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.4640     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.13500E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.40500E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  50.400     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  63.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  25.673     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  31.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.29200     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.7550     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    4

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
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ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  20.458     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  25.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.47400     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  3.3750     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  20.458     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  25.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.43200     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.5420     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    4

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -5.3000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  21.315     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.64600     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  3.4610     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  21.315     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.40400     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.0660     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    3 FOR STEP NO.    4

ITEM NO.   1&lt;NAME    &gt;=  20.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -17.600     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  23.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  13.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  50.400     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  63.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  25.673     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  31.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.49100     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.4640     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.13500E+06 (BOTH WALLS)
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ITEM NO.  18&lt;EUR     &gt;= 0.40500E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  50.400     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  63.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  25.673     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  31.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.33800     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.4950     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    5

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  20.458     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  25.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.47400     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  3.3750     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  20.458     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  25.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.43200     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.5380     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    5

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -5.3000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  21.315     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.64600     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  3.4610     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  21.315     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.41700     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.5150     WALL NO.        1
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ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    3 FOR STEP NO.    5

ITEM NO.   1&lt;NAME    &gt;=  20.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -17.600     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  23.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  13.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  50.400     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  63.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  25.673     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  31.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.49100     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.4640     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.13500E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.40500E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  50.400     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  63.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  25.673     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  31.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.34900     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  3.0510     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    6


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    6

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  20.458     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  25.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.47400     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  3.3750     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  20.458     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  25.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.43200     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.5350     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    6

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -5.3000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
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ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  21.315     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.64600     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  3.4610     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  21.315     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.41700     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.7640     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    3 FOR STEP NO.    6

ITEM NO.   1&lt;NAME    &gt;=  20.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -17.600     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  23.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  13.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  50.400     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  63.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  25.673     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  31.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.49100     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.4640     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.13500E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.40500E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  50.400     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  63.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  25.673     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  31.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.34900     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  3.4850     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    7


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    7

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  19.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  9.0000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  20.458     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  25.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.47400     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  3.3750     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;=  30000.     (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;=  90000.     (BOTH WALLS)
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ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  47&lt;U-KAED  &gt;= 0.56598     WALL NO.        1
ITEM NO.  48&lt;U-KAEW  &gt;= 0.68001     WALL NO.        1
ITEM NO.  49&lt;U-KPED  &gt;=  3.5110     WALL NO.        1
ITEM NO.  50&lt;U-KPEW  &gt;=  3.4705     WALL NO.        1
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  20.458     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  25.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.43200     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.5350     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 127&lt;D-KAED  &gt;= 0.47399     WALL NO.        1
ITEM NO. 128&lt;D-KAEW  &gt;= 0.55588     WALL NO.        1
ITEM NO. 129&lt;D-KPED  &gt;=  2.2967     WALL NO.        1
ITEM NO. 130&lt;D-KPEW  &gt;=  2.0935     WALL NO.        1
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    7

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -5.3000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  21.315     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.64600     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  3.4610     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  47&lt;U-KAED  &gt;= 0.96300     WALL NO.        1
ITEM NO.  48&lt;U-KAEW  &gt;=  1.0293     WALL NO.        1
ITEM NO.  49&lt;U-KPED  &gt;=  3.5504     WALL NO.        1
ITEM NO.  50&lt;U-KPEW  &gt;=  3.4747     WALL NO.        1
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  8.0000     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  21.315     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.41700     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.7640     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 127&lt;D-KAED  &gt;= 0.45858     WALL NO.        1
ITEM NO. 128&lt;D-KAEW  &gt;= 0.52891     WALL NO.        1
ITEM NO. 129&lt;D-KPED  &gt;=  2.5241     WALL NO.        1
ITEM NO. 130&lt;D-KPEW  &gt;=  2.3507     WALL NO.        1
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    3 FOR STEP NO.    7

ITEM NO.   1&lt;NAME    &gt;=  20.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -17.600     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  23.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  13.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  50.400     WALL NO.        1
ITEM NO.   8&lt;U-COHE  &gt;=  63.000     WALL NO.        2
ITEM NO.   9&lt;U-FRICT &gt;=  25.673     WALL NO.        1
ITEM NO.   9&lt;U-FRICT &gt;=  31.000     WALL NO.        2
ITEM NO.  10&lt;U-KA    &gt;= 0.49100     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.4640     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.13500E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.40500E+06 (BOTH WALLS)
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ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  47&lt;U-KAED  &gt;= 0.64891     WALL NO.        1
ITEM NO.  48&lt;U-KAEW  &gt;= 0.97440     WALL NO.        1
ITEM NO.  49&lt;U-KPED  &gt;=  4.5548     WALL NO.        1
ITEM NO.  50&lt;U-KPEW  &gt;=  4.4709     WALL NO.        1
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  50.400     WALL NO.        1
ITEM NO.  88&lt;D-COHE  &gt;=  63.000     WALL NO.        2
ITEM NO.  89&lt;D-FRICT &gt;=  25.673     WALL NO.        1
ITEM NO.  89&lt;D-FRICT &gt;=  31.000     WALL NO.        2
ITEM NO.  90&lt;D-KA    &gt;= 0.34900     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  3.4850     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 127&lt;D-KAED  &gt;= 0.38729     WALL NO.        1
ITEM NO. 128&lt;D-KAEW  &gt;= 0.43353     WALL NO.        1
ITEM NO. 129&lt;D-KPED  &gt;=  3.1946     WALL NO.        1
ITEM NO. 130&lt;D-KPEW  &gt;=  3.0453     WALL NO.        1
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON    21 VALUES
```

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+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                 ParatiePlus                                                           |
|                                  Exe Time :27 January 2022   16:41:02                                                 |
+-----------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1 no. of subincrements     1
                                        LEFT WALL    RIGHT WALL
Y                                        0.000       -0.9990E+30
Z-PC                                     0.000         0.000
Z-EXCAVATION                             0.000         0.000
Z-WATER_TABLE                           -4.320       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL                0.000         0.000
ZQ                                       0.000         0.000
DZW_OF_THE_WATER_TABLE                  0.3444         0.000
QS_ON_THE_EXCAVATION_SIDE                0.000         0.000
ZQS                                      0.000       -0.9990E+30
ZCUT                                     0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES        -19.30        -19.30
WATER_BEHAVIOUR_FLAG (LINING OPT)        0.000         0.000
PORE_UPDATE_FLAG                         0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)         0.000         0.000
lateral thrusts reduction elevatio       0.000         0.000
Downhill reduction factor for effe       0.000         0.000
Downhill reduction factor for pore       0.000         0.000
Uphill reduction factor for effect       0.000         0.000
Uphill reduction factor for pore p       0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]         0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]        0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]        0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]          0.000         0.000
UPHILL DELTA/PHI RATIO                   0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
DOWNHILL DELTA/PHI RATIO                 0.000         0.000
DYN.WATER BEHAVIOUR                      0.000         0.000
Excess pore pressure RATIO Ru            0.000         0.000
SEISMIC PRESSURE LOWER VALUE             0.000         0.000
SEISMIC PRESSURE UPPER VALUE             0.000         0.000
SEISMIC PRESSURE LOWER LEVEL             0.000         0.000
SEISMIC PRESSURE UPPER LEVEL             0.000         0.000

=============================================================================================================end of step    1


STEP  NO.     2 no. of subincrements     1
                                        LEFT WALL    RIGHT WALL
Y                                        0.000       -0.9990E+30
Z-PC                                    -0.1000         0.000
Z-EXCAVATION                            -0.1000         0.000
Z-WATER_TABLE                            -4.320       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL                0.000         0.000
ZQ                                       0.000         0.000
DZW_OF_THE_WATER_TABLE                  0.3444         0.000
QS_ON_THE_EXCAVATION_SIDE                0.000         0.000
ZQS                                      0.000       -0.9990E+30
ZCUT                                     0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES        -19.30        -19.30
WATER_BEHAVIOUR_FLAG (LINING OPT)        0.000         0.000
PORE_UPDATE_FLAG                         0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)         0.000         0.000
lateral thrusts reduction elevatio       0.000         0.000
Downhill reduction factor for effe       0.000         0.000
Downhill reduction factor for pore       0.000         0.000
Uphill reduction factor for effect       0.000         0.000
Uphill reduction factor for pore p       0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]         0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]        0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]        0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]          0.000         0.000
UPHILL DELTA/PHI RATIO                   0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
DOWNHILL DELTA/PHI RATIO                 0.000         0.000
DYN.WATER BEHAVIOUR                      0.000         0.000
Excess pore pressure RATIO Ru            0.000         0.000
SEISMIC PRESSURE LOWER VALUE             0.000         0.000
SEISMIC PRESSURE UPPER VALUE             0.000         0.000
SEISMIC PRESSURE LOWER LEVEL             0.000         0.000
SEISMIC PRESSURE UPPER LEVEL             0.000         0.000

=============================================================================================================end of step    2


STEP  NO.     3 no. of subincrements     1
                                        LEFT WALL    RIGHT WALL
Y                                        0.000       -0.9990E+30
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Z-PC                                -0.1000         0.000
Z-EXCAVATION                        -0.1000         0.000
Z-WATER_TABLE                        -4.320       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL             0.000         0.000
ZQ                                    0.000         0.000
DZW_OF_THE_WATER_TABLE               0.3444         0.000
QS_ON_THE_EXCAVATION_SIDE             0.000         0.000
ZQS                                   0.000       -0.9990E+30
ZCUT                                  0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -19.30        -19.30
WATER_BEHAVIOUR_FLAG (LINING OPT)     0.000         0.000
PORE_UPDATE_FLAG                      0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)      0.000         0.000
lateral thrusts reduction elevatio    0.000         0.000
Downhill reduction factor for effe    0.000         0.000
Downhill reduction factor for pore    0.000         0.000
Uphill reduction factor for effect    0.000         0.000
Uphill reduction factor for pore p    0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]      0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]     0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]     0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
UPHILL DELTA/PHI RATIO                0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]     0.000         0.000
DOWNHILL DELTA/PHI RATIO              0.000         0.000
DYN.WATER BEHAVIOUR                   0.000         0.000
Excess pore pressure RATIO Ru         0.000         0.000
SEISMIC PRESSURE LOWER VALUE          0.000         0.000
SEISMIC PRESSURE UPPER VALUE          0.000         0.000
SEISMIC PRESSURE LOWER LEVEL          0.000         0.000
SEISMIC PRESSURE UPPER LEVEL          0.000         0.000

=============================================================================================================end of step    3


STEP  NO.     4 no. of subincrements     1
                                     LEFT WALL    RIGHT WALL
Y                                     0.000       -0.9990E+30
Z-PC                                -0.1000         0.000
Z-EXCAVATION                         -2.110         0.000
Z-WATER_TABLE                        -4.320       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL             0.000         0.000
ZQ                                    0.000         0.000
DZW_OF_THE_WATER_TABLE               0.3444         0.000
QS_ON_THE_EXCAVATION_SIDE             0.000         0.000
ZQS                                   0.000       -0.9990E+30
ZCUT                                  0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -19.30        -19.30
WATER_BEHAVIOUR_FLAG (LINING OPT)     0.000         0.000
PORE_UPDATE_FLAG                      0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)      0.000         0.000
lateral thrusts reduction elevatio    0.000         0.000
Downhill reduction factor for effe    0.000         0.000
Downhill reduction factor for pore    0.000         0.000
Uphill reduction factor for effect    0.000         0.000
Uphill reduction factor for pore p    0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]      0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]     0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]     0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
UPHILL DELTA/PHI RATIO                0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]     0.000         0.000
DOWNHILL DELTA/PHI RATIO              0.000         0.000
DYN.WATER BEHAVIOUR                   0.000         0.000
Excess pore pressure RATIO Ru         0.000         0.000
SEISMIC PRESSURE LOWER VALUE          0.000         0.000
SEISMIC PRESSURE UPPER VALUE          0.000         0.000
SEISMIC PRESSURE LOWER LEVEL          0.000         0.000
SEISMIC PRESSURE UPPER LEVEL          0.000         0.000

=============================================================================================================end of step    4


STEP  NO.     5 no. of subincrements     1
                                     LEFT WALL    RIGHT WALL
Y                                     0.000       -0.9990E+30
Z-PC                                -0.1000         0.000
Z-EXCAVATION                         -4.110         0.000
Z-WATER_TABLE                        -4.320       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL             0.000         0.000
ZQ                                    0.000         0.000
DZW_OF_THE_WATER_TABLE               0.3444         0.000
QS_ON_THE_EXCAVATION_SIDE             0.000         0.000
ZQS                                   0.000       -0.9990E+30
ZCUT                                  0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -19.30        -19.30
WATER_BEHAVIOUR_FLAG (LINING OPT)     0.000         0.000
PORE_UPDATE_FLAG                      0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)      0.000         0.000
lateral thrusts reduction elevatio    0.000         0.000
Downhill reduction factor for effe    0.000         0.000
Downhill reduction factor for pore    0.000         0.000
```

```
Uphill reduction factor for effect      0.000         0.000
Uphill reduction factor for pore p      0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]        0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]       0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]       0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]         0.000         0.000
UPHILL DELTA/PHI RATIO                  0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
DOWNHILL DELTA/PHI RATIO                0.000         0.000
DYN.WATER BEHAVIOUR                     0.000         0.000
Excess pore pressure RATIO Ru           0.000         0.000
SEISMIC PRESSURE LOWER VALUE            0.000         0.000
SEISMIC PRESSURE UPPER VALUE            0.000         0.000
SEISMIC PRESSURE LOWER LEVEL            0.000         0.000
SEISMIC PRESSURE UPPER LEVEL            0.000         0.000

==========================================================================================================end of step    5


STEP  NO.     6 no. of subincrements     1
                                       LEFT WALL    RIGHT WALL
Y                                       0.000       -0.9990E+30
Z-PC                                   -0.1000        0.000
Z-EXCAVATION                           -6.600         0.000
Z-WATER_TABLE                          -6.570       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL               0.000         0.000
ZQ                                      0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.5120         0.000
QS_ON_THE_EXCAVATION_SIDE               0.000         0.000
ZQS                                     0.000       -0.9990E+30
ZCUT                                    0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES       -19.30        -19.30
WATER_BEHAVIOUR_FLAG (LINING OPT)       0.000         0.000
PORE_UPDATE_FLAG                        0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)        0.000         0.000
lateral thrusts reduction elevatio      0.000         0.000
Downhill reduction factor for effe      0.000         0.000
Downhill reduction factor for pore      0.000         0.000
Uphill reduction factor for effect      0.000         0.000
Uphill reduction factor for pore p      0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]        0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]       0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]       0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]         0.000         0.000
UPHILL DELTA/PHI RATIO                  0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
DOWNHILL DELTA/PHI RATIO                0.000         0.000
DYN.WATER BEHAVIOUR                     0.000         0.000
Excess pore pressure RATIO Ru           0.000         0.000
SEISMIC PRESSURE LOWER VALUE            0.000         0.000
SEISMIC PRESSURE UPPER VALUE            0.000         0.000
SEISMIC PRESSURE LOWER LEVEL            0.000         0.000
SEISMIC PRESSURE UPPER LEVEL            0.000         0.000

==========================================================================================================end of step    6


STEP  NO.     7 no. of subincrements     1
                                       LEFT WALL    RIGHT WALL
Y                                       0.000       -0.9990E+30
Z-PC                                   -0.1000        0.000
Z-EXCAVATION                           -6.600         0.000
Z-WATER_TABLE                          -6.570       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL               0.000         0.000
ZQ                                      0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.5120         0.000
QS_ON_THE_EXCAVATION_SIDE               0.000         0.000
ZQS                                     0.000       -0.9990E+30
ZCUT                                    0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES       -19.30        -19.30
WATER_BEHAVIOUR_FLAG (LINING OPT)       0.000         0.000
PORE_UPDATE_FLAG                        0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)        0.000         0.000
lateral thrusts reduction elevatio      0.000         0.000
Downhill reduction factor for effe      0.000         0.000
Downhill reduction factor for pore      0.000         0.000
Uphill reduction factor for effect      0.000         0.000
Uphill reduction factor for pore p      0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]      -0.7320E-01     0.000
                                        MANUAL
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.3660E-01     0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]     -0.3660E-01     0.000
UPHILL BETA ANGLE (SLOPE) [deg]         0.000         0.000
UPHILL DELTA/PHI RATIO                 0.5000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.5000         0.000
DYN.WATER BEHAVIOUR                     0.000         0.000
Excess pore pressure RATIO Ru           0.000         0.000
SEISMIC PRESSURE LOWER VALUE            0.000         0.000
SEISMIC PRESSURE UPPER VALUE            0.000         0.000
SEISMIC PRESSURE LOWER LEVEL            0.000         0.000
SEISMIC PRESSURE UPPER LEVEL            0.000         0.000
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==========================================================================================================end of step    7


 LEFT-HAND WALL

 LOWER  LEVEL         -19.30000
 UPPER  LEVEL          -0.10000

 RIGHT-HAND WALL

 LOWER  LEVEL         -19.30000
 UPPER  LEVEL          -0.10000



 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        8999

 NO. OF D.P.W  FOR THIS AREA      14826
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO          40

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1637E+06 RIMNOR= 0.000
           RENORM= 2.895     REMNOR= 0.000     RATIO =0.4205E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 52.73     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1637E+06 RDR   = 0.000
           RATIOT=0.4205E-02 RATIOR= 0.000
           MAX UN=0.3396     IEQ=    47 NODE     24 DOF   1  Y-DISPL.F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1637E+06 RIMNOR= 0.000
           RENORM= 468.7     REMNOR= 0.000     RATIO =0.5350E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 52.73     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1637E+06 RDR   = 0.000
           RATIOT=0.5350E-01 RATIOR= 0.000
           MAX UN= 4.508     IEQ=   175 NODE     88 DOF   1  Y-DISPL.F
           MIN UN=-.7105E-14 IEQ=   185 NODE     93 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1637E+06 RIMNOR= 0.000
           RENORM=0.4449E-27 REMNOR= 0.000     RATIO =0.5213E-16 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 52.73     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1637E+06 RDR   = 0.000
           RATIOT=0.5213E-16 RATIOR= 0.000
           MAX UN=0.7105E-14 IEQ=   185 NODE     93 DOF   1  Y-DISPL.F
           MIN UN=-.7105E-14 IEQ=   125 NODE     63 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :27 January 2022   16:41:02                                                 |
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New Project
SOLUTION REACHED USING     3 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    1     ( AT TIME   1.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
   23   2.9290683E-04    0.000000
   24   3.6580372E-04    0.000000
   25   3.8756865E-04    0.000000
   26   4.0933348E-04    0.000000
   27   4.3109841E-04    0.000000
   28   3.7390678E-05    0.000000
   29   4.0318869E-05    0.000000
   30   4.3247060E-05    0.000000
   31   4.6175236E-05    0.000000
   32   4.9103427E-05    0.000000
   33   5.2031618E-05    0.000000
   34   5.4959809E-05    0.000000
   35   5.7888000E-05    0.000000
   36   6.0816191E-05    0.000000
   37   6.3744368E-05    0.000000
   38   6.6672559E-05    0.000000
   39   6.9600750E-05    0.000000
   40   7.2528941E-05    0.000000
   41   7.5457132E-05    0.000000
   42   7.8385308E-05    0.000000
   43   8.1313499E-05    0.000000
   44   8.4241690E-05    0.000000
   45   8.7169881E-05    0.000000
   46   9.0098072E-05    0.000000
   47   9.3026249E-05    0.000000
   48   9.5954440E-05    0.000000
   49   9.8882631E-05    0.000000
   50   1.0181082E-04    0.000000
   51   1.0473894E-04    0.000000
   52   1.0766713E-04    0.000000
   53   1.1059532E-04    0.000000
   54   1.1352351E-04    0.000000
   55   1.1645170E-04    0.000000
   56   1.1937989E-04    0.000000
   57   1.2230809E-04    0.000000
   58   1.2523628E-04    0.000000
   59   1.2816447E-04    0.000000
   60   1.3109266E-04    0.000000
   61   1.3402085E-04    0.000000
   62   1.3694904E-04    0.000000
   63   1.3987723E-04    0.000000
   64   1.4280542E-04    0.000000
   65   1.4573361E-04    0.000000
   66   1.4866180E-04    0.000000
   67   1.5159000E-04    0.000000
   68   1.5451819E-04    0.000000
   69   1.5744638E-04    0.000000
   70   1.6037457E-04    0.000000
   71   1.6330276E-04    0.000000
   72   1.6623095E-04    0.000000
   73   1.6915914E-04    0.000000
   74   1.7208733E-04    0.000000
   75   1.7501552E-04    0.000000
   76   1.7794371E-04    0.000000
   77   1.8087191E-04    0.000000
   78   1.8380010E-04    0.000000
   79   1.8672829E-04    0.000000
   80   1.8965648E-04    0.000000
   81   1.9258467E-04    0.000000
   82   1.9551286E-04    0.000000
   83   1.9844105E-04    0.000000
   84   2.0136924E-04    0.000000
   85   2.0429743E-04    0.000000
   86   2.0722563E-04    0.000000
   87   2.1015382E-04    0.000000
   88   2.1308201E-04    0.000000
   89   5.8527621E-07    0.000000
   90   5.1211668E-07    0.000000
   91   4.3895716E-07    0.000000
   92   3.6579763E-07    0.000000
   93   2.9263810E-07    0.000000
   94   2.1947858E-07    0.000000
   95   1.4631905E-07    0.000000
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96   7.3159526E-08    0.000000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:41:02                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                        :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   97
C U R R E N T   T I M E   I S      1.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D  9.5000E-02   0.000       1.900      0.9500       1.900      0.9500           V-C  1.6879E+04 -0.1000       0.000
1.000       1.000      0.9500       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.5700       0.000       5.700       2.850       5.700       2.850           V-C  1.6879E+04 -0.3000       0.000
1.000       1.000       2.850       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D  0.9500       0.000       9.500       4.750       9.500       4.750           V-C  1.6879E+04 -0.5000       0.000
1.000       1.000       4.750       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.330       0.000       13.30       6.650       13.30       6.650           V-C  1.6879E+04 -0.7000       0.000
1.000       1.000       6.650       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.710       0.000       17.10       8.550       17.10       8.550           V-C  1.6879E+04 -0.9000       0.000
1.000       1.000       8.550       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   2.090       0.000       20.90       10.45       20.90       10.45           V-C  1.6879E+04  -1.100       0.000
1.000       1.000       10.45       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.470       0.000       24.70       12.35       24.70       12.35           V-C  1.6879E+04  -1.300       0.000
1.000       1.000       12.35       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   2.850       0.000       28.50       14.25       28.50       14.25           V-C  1.6879E+04  -1.500       0.000
1.000       1.000       14.25       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.230       0.000       32.30       16.15       32.30       16.15           V-C  1.6879E+04  -1.700       0.000
1.000       1.000       16.15       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   3.610       0.000       36.10       18.05       36.10       18.05           V-C  1.6879E+04  -1.900       0.000
1.000       1.000       18.05       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   3.990       0.000       39.90       19.95       39.90       19.95           V-C  1.6879E+04  -2.100       0.000
1.000       1.000       19.95       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.370       0.000       43.70       21.85       43.70       21.85           V-C  1.6879E+04  -2.300       0.000
1.000       1.000       21.85       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   4.750       0.000       47.50       23.75       47.50       23.75           V-C  1.6879E+04  -2.500       0.000
1.000       1.000       23.75       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.130       0.000       51.30       25.65       51.30       25.65           V-C  1.6879E+04  -2.700       0.000
1.000       1.000       25.65       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.510       0.000       55.10       27.55       55.10       27.55           V-C  1.6879E+04  -2.900       0.000
1.000       1.000       27.55       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   5.890       0.000       58.90       29.45       58.90       29.45           V-C  1.6879E+04  -3.100       0.000
1.000       1.000       29.45       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.270       0.000       62.70       31.35       62.70       31.35           V-C  1.6879E+04  -3.300       0.000
1.000       1.000       31.35       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   6.650       0.000       66.50       33.25       66.50       33.25           V-C  1.6879E+04  -3.500       0.000
1.000       1.000       33.25       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   7.030       0.000       70.30       35.15       70.30       35.15           V-C  1.6879E+04  -3.700       0.000
1.000       1.000       35.15       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.410       0.000       74.10       37.05       74.10       37.05           V-C  1.6879E+04  -3.900       0.000
1.000       1.000       37.05       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   7.790       0.000       77.90       38.95       77.90       38.95           V-C  1.6879E+04  -4.100       0.000
1.000       1.000       38.95       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   8.170       0.000       81.70       40.85       81.70       40.85           V-C  1.6879E+04  -4.300       0.000
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1.000       1.000       40.85       0.000       0.000       0.000       0.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D    9.503     -2.9291E-04   83.72       45.74       83.72       45.74         ACTIVE   0.000      -4.500       1.778
1.000       1.000       47.52       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D    10.16     -3.6580E-04   85.55       47.03       85.55       47.03         ACTIVE   0.000      -4.700       3.755
1.000       1.000       50.78       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D    10.81     -3.8757E-04   87.37       48.32       87.37       48.32         ACTIVE   0.000      -4.900       5.732
1.000       1.000       54.05       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D    11.46     -4.0933E-04   89.19       49.61       89.19       49.61         ACTIVE   0.000      -5.100       7.708
1.000       1.000       57.31       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D    12.12     -4.3110E-04   91.01       50.89       91.01       50.89         ACTIVE   0.000      -5.300       9.685
1.000       1.000       60.58       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D    12.11     -3.7391E-05   93.04       48.91       93.04       48.91         ACTIVE   0.000      -5.500       11.66
1.000       1.000       60.57       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D    12.78     -4.0319E-05   95.06       50.25       95.06       50.25         ACTIVE   0.000      -5.700       13.64
1.000       1.000       63.89       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D    13.44     -4.3247E-05   97.08       51.60       97.08       51.60         ACTIVE   0.000      -5.900       15.62
1.000       1.000       67.22       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D    14.11     -4.6175E-05   99.11       52.95       99.11       52.95         ACTIVE   0.000      -6.100       17.59
1.000       1.000       70.54       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D    14.77     -4.9103E-05   101.1       54.30       101.1       54.30         ACTIVE   0.000      -6.300       19.57
1.000       1.000       73.86       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D    15.44     -5.2032E-05   103.2       55.64       103.2       55.64         ACTIVE   0.000      -6.500       21.55
1.000       1.000       77.19       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D    16.10     -5.4960E-05   105.2       56.99       105.2       56.99         ACTIVE   0.000      -6.700       23.52
1.000       1.000       80.51       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D    16.77     -5.7888E-05   107.2       58.34       107.2       58.34         ACTIVE   0.000      -6.900       25.50
1.000       1.000       83.84       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D    17.43     -6.0816E-05   109.2       59.69       109.2       59.69         ACTIVE   0.000      -7.100       27.48
1.000       1.000       87.16       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D    18.10     -6.3744E-05   111.2       61.03       111.2       61.03         ACTIVE   0.000      -7.300       29.45
1.000       1.000       90.49       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D    18.76     -6.6673E-05   113.3       62.38       113.3       62.38         ACTIVE   0.000      -7.500       31.43
1.000       1.000       93.81       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D    19.43     -6.9601E-05   115.3       63.73       115.3       63.73         ACTIVE   0.000      -7.700       33.41
1.000       1.000       97.13       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D    20.09     -7.2529E-05   117.3       65.08       117.3       65.08         ACTIVE   0.000      -7.900       35.38
1.000       1.000       100.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D    20.76     -7.5457E-05   119.3       66.42       119.3       66.42         ACTIVE   0.000      -8.100       37.36
1.000       1.000       103.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D    21.42     -7.8385E-05   121.4       67.77       121.4       67.77         ACTIVE   0.000      -8.300       39.34
1.000       1.000       107.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D    22.09     -8.1313E-05   123.4       69.12       123.4       69.12         ACTIVE   0.000      -8.500       41.31
1.000       1.000       110.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D    22.75     -8.4242E-05   125.4       70.47       125.4       70.47         ACTIVE   0.000      -8.700       43.29
1.000       1.000       113.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D    23.42     -8.7170E-05   127.4       71.81       127.4       71.81         ACTIVE   0.000      -8.900       45.27
1.000       1.000       117.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D    24.08     -9.0098E-05   129.5       73.16       129.5       73.16         ACTIVE   0.000      -9.100       47.24
1.000       1.000       120.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D    24.75     -9.3026E-05   131.5       74.51       131.5       74.51         ACTIVE   0.000      -9.300       49.22
1.000       1.000       123.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D    25.41     -9.5954E-05   133.5       75.86       133.5       75.86         ACTIVE   0.000      -9.500       51.20
1.000       1.000       127.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D    26.08     -9.8883E-05   135.5       77.20       135.5       77.20         ACTIVE   0.000      -9.700       53.17
1.000       1.000       130.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D    26.74     -1.0181E-04   137.5       78.55       137.5       78.55         ACTIVE   0.000      -9.900       55.15
1.000       1.000       133.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D    27.40     -1.0474E-04   139.6       79.90       139.6       79.90         ACTIVE   0.000      -10.10       57.13
1.000       1.000       137.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D    28.07     -1.0767E-04   141.6       81.25       141.6       81.25         ACTIVE   0.000      -10.30       59.10
1.000       1.000       140.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   28.73     -1.1060E-04   143.6       82.59       143.6       82.59          ACTIVE   0.000      -10.50       61.08
1.000       1.000       143.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   29.40     -1.1352E-04   145.6       83.94       145.6       83.94          ACTIVE   0.000      -10.70       63.06
1.000       1.000       147.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   30.06     -1.1645E-04   147.7       85.29       147.7       85.29          ACTIVE   0.000      -10.90       65.03
1.000       1.000       150.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   30.73     -1.1938E-04   149.7       86.64       149.7       86.64          ACTIVE   0.000      -11.10       67.01
1.000       1.000       153.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   31.39     -1.2231E-04   151.7       87.98       151.7       87.98          ACTIVE   0.000      -11.30       68.99
1.000       1.000       157.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   32.06     -1.2524E-04   153.7       89.33       153.7       89.33          ACTIVE   0.000      -11.50       70.96
1.000       1.000       160.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   32.72     -1.2816E-04   155.8       90.68       155.8       90.68          ACTIVE   0.000      -11.70       72.94
1.000       1.000       163.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   33.39     -1.3109E-04   157.8       92.03       157.8       92.03          ACTIVE   0.000      -11.90       74.92
1.000       1.000       166.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   34.05     -1.3402E-04   159.8       93.37       159.8       93.37          ACTIVE   0.000      -12.10       76.89
1.000       1.000       170.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   34.72     -1.3695E-04   161.8       94.72       161.8       94.72          ACTIVE   0.000      -12.30       78.87
1.000       1.000       173.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   35.38     -1.3988E-04   163.9       96.07       163.9       96.07          ACTIVE   0.000      -12.50       80.85
1.000       1.000       176.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   36.05     -1.4281E-04   165.9       97.42       165.9       97.42          ACTIVE   0.000      -12.70       82.82
1.000       1.000       180.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   36.71     -1.4573E-04   167.9       98.76       167.9       98.76          ACTIVE   0.000      -12.90       84.80
1.000       1.000       183.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   37.38     -1.4866E-04   169.9       100.1       169.9       100.1          ACTIVE   0.000      -13.10       86.78
1.000       1.000       186.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   38.04     -1.5159E-04   171.9       101.5       171.9       101.5          ACTIVE   0.000      -13.30       88.75
1.000       1.000       190.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   38.71     -1.5452E-04   174.0       102.8       174.0       102.8          ACTIVE   0.000      -13.50       90.73
1.000       1.000       193.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   39.37     -1.5745E-04   176.0       104.2       176.0       104.2          ACTIVE   0.000      -13.70       92.71
1.000       1.000       196.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   40.04     -1.6037E-04   178.0       105.5       178.0       105.5          ACTIVE   0.000      -13.90       94.68
1.000       1.000       200.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   40.70     -1.6330E-04   180.0       106.8       180.0       106.8          ACTIVE   0.000      -14.10       96.66
1.000       1.000       203.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   41.37     -1.6623E-04   182.1       108.2       182.1       108.2          ACTIVE   0.000      -14.30       98.64
1.000       1.000       206.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   42.03     -1.6916E-04   184.1       109.5       184.1       109.5          ACTIVE   0.000      -14.50       100.6
1.000       1.000       210.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   42.70     -1.7209E-04   186.1       110.9       186.1       110.9          ACTIVE   0.000      -14.70       102.6
1.000       1.000       213.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   43.36     -1.7502E-04   188.1       112.2       188.1       112.2          ACTIVE   0.000      -14.90       104.6
1.000       1.000       216.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   44.03     -1.7794E-04   190.2       113.6       190.2       113.6          ACTIVE   0.000      -15.10       106.5
1.000       1.000       220.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   44.69     -1.8087E-04   192.2       114.9       192.2       114.9          ACTIVE   0.000      -15.30       108.5
1.000       1.000       223.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   45.36     -1.8380E-04   194.2       116.3       194.2       116.3          ACTIVE   0.000      -15.50       110.5
1.000       1.000       226.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   46.02     -1.8673E-04   196.2       117.6       196.2       117.6          ACTIVE   0.000      -15.70       112.5
1.000       1.000       230.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   46.69     -1.8966E-04   198.2       119.0       198.2       119.0          ACTIVE   0.000      -15.90       114.5
1.000       1.000       233.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   47.35     -1.9258E-04   200.3       120.3       200.3       120.3          ACTIVE   0.000      -16.10       116.4
1.000       1.000       236.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   48.02     -1.9551E-04   202.3       121.7       202.3       121.7          ACTIVE   0.000      -16.30       118.4
1.000       1.000       240.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  83 D   48.68     -1.9844E-04   204.3       123.0       204.3       123.0          ACTIVE   0.000      -16.50       120.4
1.000       1.000       243.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
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0.0000      0.0000      0.0000      0.0000      0.0000
  84 D   49.34     -2.0137E-04   206.3       124.4       206.3       124.4          ACTIVE   0.000      -16.70       122.4
1.000       1.000       246.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  85 D   50.01     -2.0430E-04   208.4       125.7       208.4       125.7          ACTIVE   0.000      -16.90       124.3
1.000       1.000       250.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  86 D   50.67     -2.0723E-04   210.4       127.1       210.4       127.1          ACTIVE   0.000      -17.10       126.3
1.000       1.000       253.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  87 D   51.34     -2.1015E-04   212.4       128.4       212.4       128.4          ACTIVE   0.000      -17.30       128.3
1.000       1.000       256.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  88 D   52.00     -2.1308E-04   214.4       129.8       214.4       129.8          ACTIVE   0.000      -17.50       130.3
1.000       1.000       260.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  89 D   48.09     -5.8528E-07   216.8       108.2       216.8       108.4           UL-RL  2.5158E+05  -17.70       132.2
1.000       1.000       240.5       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  90 D   48.76     -5.1212E-07   219.4       109.6       219.4       109.7           UL-RL  2.5158E+05  -17.90       134.2
1.000       1.000       243.8       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  91 D   49.42     -4.3896E-07   222.0       110.9       222.0       111.0           UL-RL  2.5158E+05  -18.10       136.2
1.000       1.000       247.1       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  92 D   50.08     -3.6580E-07   224.6       112.2       224.6       112.3           UL-RL  2.5158E+05  -18.30       138.2
1.000       1.000       250.4       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  93 D   50.74     -2.9264E-07   227.2       113.6       227.2       113.6           UL-RL  2.5158E+05  -18.50       140.2
1.000       1.000       253.7       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  94 D   51.40     -2.1948E-07   229.9       114.9       229.9       114.9           UL-RL  2.5158E+05  -18.70       142.1
1.000       1.000       257.0       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  95 D   52.06     -1.4632E-07   232.5       116.2       232.5       116.2           UL-RL  2.5158E+05  -18.90       144.1
1.000       1.000       260.3       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  96 D   52.72     -7.3160E-08   235.1       117.5       235.1       117.6           UL-RL  2.5158E+05  -19.10       146.1
1.000       1.000       263.6       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  97 D   26.69       0.000       237.7       118.9       237.7       118.9            V-C  8.3859E+04  -19.30       148.1
1.000       1.000       266.9       0.000       0.000       0.000       0.000     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:41:02                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   97
C U R R E N T   T I M E   I S      1.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D  9.5000E-02   0.000       1.900      0.9500       1.900      0.9500           V-C  1.6272E+04 -0.1000       0.000
1.000       1.000      0.9500       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.5700       0.000       5.700       2.850       5.700       2.850           V-C  1.6272E+04 -0.3000       0.000
1.000       1.000       2.850       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D  0.9500       0.000       9.500       4.750       9.500       4.750           V-C  1.6272E+04 -0.5000       0.000
1.000       1.000       4.750       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.330       0.000       13.30       6.650       13.30       6.650           V-C  1.6272E+04 -0.7000       0.000
1.000       1.000       6.650       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.710       0.000       17.10       8.550       17.10       8.550           V-C  1.6272E+04 -0.9000       0.000
1.000       1.000       8.550       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   2.090       0.000       20.90       10.45       20.90       10.45           V-C  1.6272E+04  -1.100       0.000
1.000       1.000       10.45       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.470       0.000       24.70       12.35       24.70       12.35           V-C  1.6272E+04  -1.300       0.000
1.000       1.000       12.35       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   2.850       0.000       28.50       14.25       28.50       14.25           V-C  1.6272E+04  -1.500       0.000
1.000       1.000       14.25       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.230       0.000       32.30       16.15       32.30       16.15           V-C  1.6272E+04  -1.700       0.000
1.000       1.000       16.15       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   3.610       0.000       36.10       18.05       36.10       18.05           V-C  1.6272E+04  -1.900       0.000
1.000       1.000       18.05       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   3.990       0.000       39.90       19.95       39.90       19.95           V-C  1.6272E+04  -2.100       0.000
1.000       1.000       19.95       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.370       0.000       43.70       21.85       43.70       21.85           V-C  1.6272E+04  -2.300       0.000
1.000       1.000       21.85       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   4.750       0.000       47.50       23.75       47.50       23.75           V-C  1.6272E+04  -2.500       0.000
1.000       1.000       23.75       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.130       0.000       51.30       25.65       51.30       25.65           V-C  1.6272E+04  -2.700       0.000
1.000       1.000       25.65       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.510       0.000       55.10       27.55       55.10       27.55           V-C  1.6272E+04  -2.900       0.000
1.000       1.000       27.55       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   5.890       0.000       58.90       29.45       58.90       29.45           V-C  1.6272E+04  -3.100       0.000
1.000       1.000       29.45       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.270       0.000       62.70       31.35       62.70       31.35           V-C  1.6272E+04  -3.300       0.000
1.000       1.000       31.35       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   6.650       0.000       66.50       33.25       66.50       33.25           V-C  1.6272E+04  -3.500       0.000
1.000       1.000       33.25       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   7.030       0.000       70.30       35.15       70.30       35.15           V-C  1.6272E+04  -3.700       0.000
1.000       1.000       35.15       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.410       0.000       74.10       37.05       74.10       37.05           V-C  1.6272E+04  -3.900       0.000
1.000       1.000       37.05       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   7.790       0.000       77.90       38.95       77.90       38.95           V-C  1.6272E+04  -4.100       0.000
1.000       1.000       38.95       0.000       0.000       0.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   8.170       0.000       81.70       40.85       81.70       40.85           V-C  1.6272E+04  -4.300       0.000
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1.000       1.000       40.85       0.000       0.000       0.000       0.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D    9.503      2.9291E-04   85.50       47.52       85.50       47.52           V-C  1.6272E+04  -4.500       0.000
1.000       1.000       47.52       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D    10.16      3.6580E-04   88.94       50.42       88.94       50.42           V-C  1.6272E+04  -4.700       0.3592
1.000       1.000       50.78       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D    10.81      3.8757E-04   90.72       51.67       90.72       51.67           V-C  1.6272E+04  -4.900       2.382
1.000       1.000       54.05       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D    11.46      4.0933E-04   92.49       52.91       92.49       52.91           V-C  1.6272E+04  -5.100       4.406
1.000       1.000       57.31       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D    12.12      4.3110E-04   94.27       54.15       94.27       54.15           V-C  1.6272E+04  -5.300       6.429
1.000       1.000       60.58       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D    12.11      3.7391E-05   96.25       52.12       96.25       52.12           V-C  1.0676E+05  -5.500       8.452
1.000       1.000       60.57       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D    12.78      4.0319E-05   98.22       53.42       98.22       53.42           V-C  1.0676E+05  -5.700       10.48
1.000       1.000       63.89       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D    13.44      4.3247E-05   100.2       54.72       100.2       54.72           V-C  1.0676E+05  -5.900       12.50
1.000       1.000       67.22       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D    14.11      4.6175E-05   102.2       56.02       102.2       56.02           V-C  1.0676E+05  -6.100       14.52
1.000       1.000       70.54       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D    14.77      4.9103E-05   104.2       57.32       104.2       57.32           V-C  1.0676E+05  -6.300       16.55
1.000       1.000       73.86       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D    15.44      5.2032E-05   106.1       58.62       106.1       58.62           V-C  1.0676E+05  -6.500       18.57
1.000       1.000       77.19       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D    16.10      5.4960E-05   108.1       59.92       108.1       59.92           V-C  1.0676E+05  -6.700       20.59
1.000       1.000       80.51       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D    16.77      5.7888E-05   110.1       61.22       110.1       61.22           V-C  1.0676E+05  -6.900       22.62
1.000       1.000       83.84       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D    17.43      6.0816E-05   112.1       62.52       112.1       62.52           V-C  1.0676E+05  -7.100       24.64
1.000       1.000       87.16       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D    18.10      6.3744E-05   114.0       63.82       114.0       63.82           V-C  1.0676E+05  -7.300       26.66
1.000       1.000       90.49       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D    18.76      6.6673E-05   116.0       65.13       116.0       65.13           V-C  1.0676E+05  -7.500       28.68
1.000       1.000       93.81       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D    19.43      6.9601E-05   118.0       66.43       118.0       66.43           V-C  1.0676E+05  -7.700       30.71
1.000       1.000       97.13       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D    20.09      7.2529E-05   120.0       67.73       120.0       67.73           V-C  1.0676E+05  -7.900       32.73
1.000       1.000       100.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D    20.76      7.5457E-05   121.9       69.03       121.9       69.03           V-C  1.0676E+05  -8.100       34.75
1.000       1.000       103.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D    21.42      7.8385E-05   123.9       70.33       123.9       70.33           V-C  1.0676E+05  -8.300       36.78
1.000       1.000       107.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D    22.09      8.1313E-05   125.9       71.63       125.9       71.63           V-C  1.0676E+05  -8.500       38.80
1.000       1.000       110.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D    22.75      8.4242E-05   127.9       72.93       127.9       72.93           V-C  1.0676E+05  -8.700       40.82
1.000       1.000       113.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D    23.42      8.7170E-05   129.9       74.23       129.9       74.23           V-C  1.0676E+05  -8.900       42.85
1.000       1.000       117.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D    24.08      9.0098E-05   131.8       75.53       131.8       75.53           V-C  1.0676E+05  -9.100       44.87
1.000       1.000       120.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D    24.75      9.3026E-05   133.8       76.83       133.8       76.83           V-C  1.0676E+05  -9.300       46.89
1.000       1.000       123.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D    25.41      9.5954E-05   135.8       78.14       135.8       78.14           V-C  1.0676E+05  -9.500       48.92
1.000       1.000       127.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D    26.08      9.8883E-05   137.8       79.44       137.8       79.44           V-C  1.0676E+05  -9.700       50.94
1.000       1.000       130.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D    26.74      1.0181E-04   139.7       80.74       139.7       80.74           V-C  1.0676E+05  -9.900       52.96
1.000       1.000       133.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D    27.40      1.0474E-04   141.7       82.04       141.7       82.04           V-C  1.0676E+05  -10.10       54.99
1.000       1.000       137.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D    28.07      1.0767E-04   143.7       83.34       143.7       83.34           V-C  1.0676E+05  -10.30       57.01
1.000       1.000       140.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   28.73      1.1060E-04   145.7       84.64       145.7       84.64            V-C  1.0676E+05  -10.50       59.03
1.000       1.000       143.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   29.40      1.1352E-04   147.6       85.94       147.6       85.94            V-C  1.0676E+05  -10.70       61.06
1.000       1.000       147.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   30.06      1.1645E-04   149.6       87.24       149.6       87.24            V-C  1.0676E+05  -10.90       63.08
1.000       1.000       150.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   30.73      1.1938E-04   151.6       88.54       151.6       88.54            V-C  1.0676E+05  -11.10       65.10
1.000       1.000       153.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   31.39      1.2231E-04   153.6       89.84       153.6       89.84            V-C  1.0676E+05  -11.30       67.13
1.000       1.000       157.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   32.06      1.2524E-04   155.5       91.14       155.5       91.14            V-C  1.0676E+05  -11.50       69.15
1.000       1.000       160.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   32.72      1.2816E-04   157.5       92.45       157.5       92.45            V-C  1.0676E+05  -11.70       71.17
1.000       1.000       163.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   33.39      1.3109E-04   159.5       93.75       159.5       93.75            V-C  1.0676E+05  -11.90       73.20
1.000       1.000       166.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   34.05      1.3402E-04   161.5       95.05       161.5       95.05            V-C  1.0676E+05  -12.10       75.22
1.000       1.000       170.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   34.72      1.3695E-04   163.5       96.35       163.5       96.35            V-C  1.0676E+05  -12.30       77.24
1.000       1.000       173.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   35.38      1.3988E-04   165.4       97.65       165.4       97.65            V-C  1.0676E+05  -12.50       79.27
1.000       1.000       176.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   36.05      1.4281E-04   167.4       98.95       167.4       98.95            V-C  1.0676E+05  -12.70       81.29
1.000       1.000       180.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   36.71      1.4573E-04   169.4       100.3       169.4       100.3            V-C  1.0676E+05  -12.90       83.31
1.000       1.000       183.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   37.38      1.4866E-04   171.4       101.6       171.4       101.6            V-C  1.0676E+05  -13.10       85.34
1.000       1.000       186.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   38.04      1.5159E-04   173.3       102.9       173.3       102.9            V-C  1.0676E+05  -13.30       87.36
1.000       1.000       190.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   38.71      1.5452E-04   175.3       104.2       175.3       104.2            V-C  1.0676E+05  -13.50       89.38
1.000       1.000       193.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   39.37      1.5745E-04   177.3       105.5       177.3       105.5            V-C  1.0676E+05  -13.70       91.41
1.000       1.000       196.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   40.04      1.6037E-04   179.3       106.8       179.3       106.8            V-C  1.0676E+05  -13.90       93.43
1.000       1.000       200.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   40.70      1.6330E-04   181.2       108.1       181.2       108.1            V-C  1.0676E+05  -14.10       95.45
1.000       1.000       203.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   41.37      1.6623E-04   183.2       109.4       183.2       109.4            V-C  1.0676E+05  -14.30       97.48
1.000       1.000       206.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   42.03      1.6916E-04   185.2       110.7       185.2       110.7            V-C  1.0676E+05  -14.50       99.50
1.000       1.000       210.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   42.70      1.7209E-04   187.2       112.0       187.2       112.0            V-C  1.0676E+05  -14.70       101.5
1.000       1.000       213.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   43.36      1.7502E-04   189.2       113.3       189.2       113.3            V-C  1.0676E+05  -14.90       103.5
1.000       1.000       216.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   44.03      1.7794E-04   191.1       114.6       191.1       114.6            V-C  1.0676E+05  -15.10       105.6
1.000       1.000       220.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   44.69      1.8087E-04   193.1       115.9       193.1       115.9            V-C  1.0676E+05  -15.30       107.6
1.000       1.000       223.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   45.36      1.8380E-04   195.1       117.2       195.1       117.2            V-C  1.0676E+05  -15.50       109.6
1.000       1.000       226.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   46.02      1.8673E-04   197.1       118.5       197.1       118.5            V-C  1.0676E+05  -15.70       111.6
1.000       1.000       230.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   46.69      1.8966E-04   199.0       119.8       199.0       119.8            V-C  1.0676E+05  -15.90       113.7
1.000       1.000       233.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   47.35      1.9258E-04   201.0       121.1       201.0       121.1            V-C  1.0676E+05  -16.10       115.7
1.000       1.000       236.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   48.02      1.9551E-04   203.0       122.4       203.0       122.4            V-C  1.0676E+05  -16.30       117.7
1.000       1.000       240.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  83 D   48.68      1.9844E-04   205.0       123.7       205.0       123.7            V-C  1.0676E+05  -16.50       119.7
1.000       1.000       243.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
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0.0000      0.0000      0.0000      0.0000      0.0000
  84 D   49.34      2.0137E-04   206.9       125.0       206.9       125.0            V-C  1.0676E+05  -16.70       121.8
1.000       1.000       246.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  85 D   50.01      2.0430E-04   208.9       126.3       208.9       126.3            V-C  1.0676E+05  -16.90       123.8
1.000       1.000       250.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  86 D   50.67      2.0723E-04   210.9       127.6       210.9       127.6            V-C  1.0676E+05  -17.10       125.8
1.000       1.000       253.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  87 D   51.34      2.1015E-04   212.9       128.9       212.9       128.9            V-C  1.0676E+05  -17.30       127.8
1.000       1.000       256.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  88 D   52.00      2.1308E-04   214.9       130.2       214.9       130.2            V-C  1.0676E+05  -17.50       129.8
1.000       1.000       260.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  89 D   48.09      5.8528E-07   217.1       108.6       217.1       108.6           UL-RL  1.9897E+05  -17.70       131.9
1.000       1.000       240.5       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  90 D   48.76      5.1212E-07   219.7       109.9       219.7       109.9           UL-RL  1.9897E+05  -17.90       133.9
1.000       1.000       243.8       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  91 D   49.42      4.3896E-07   222.3       111.2       222.3       111.2            V-C  6.6323E+04  -18.10       135.9
1.000       1.000       247.1       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  92 D   50.08      3.6580E-07   224.9       112.5       224.9       112.5           UL-RL  1.9897E+05  -18.30       137.9
1.000       1.000       250.4       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  93 D   50.74      2.9264E-07   227.4       113.7       227.4       113.7           UL-RL  1.9897E+05  -18.50       140.0
1.000       1.000       253.7       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  94 D   51.40      2.1948E-07   230.0       115.0       230.0       115.0           UL-RL  1.9897E+05  -18.70       142.0
1.000       1.000       257.0       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  95 D   52.06      1.4632E-07   232.6       116.3       232.6       116.3            V-C  6.6323E+04  -18.90       144.0
1.000       1.000       260.3       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  96 D   52.72      7.3160E-08   235.2       117.6       235.2       117.6            V-C  6.6323E+04  -19.10       146.0
1.000       1.000       263.6       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  97 D   26.69       0.000       237.7       118.9       237.7       118.9            V-C  6.6323E+04  -19.30       148.1
1.000       1.000       266.9       0.000       0.000       0.000       0.000     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :27 January 2022   16:41:02                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099                                          :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   96
C U R R E N T   T I M E   I S      1.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1855E+06 RIMNOR= 0.000
           RENORM=0.4253E-08 REMNOR= 0.000     RATIO =0.1514E-06 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 52.63     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1855E+06 RDR   = 0.000
           RATIOT=0.1514E-06 RATIOR= 0.000
           MAX UN= 0.000     IEQ=   194 NODE     97 DOF   2   X-ROT. F
           MIN UN=-.2059E-04 IEQ=    47 NODE     24 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1855E+06 RIMNOR= 0.000
           RENORM=0.1174E-26 REMNOR= 0.000     RATIO =0.7955E-16 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 52.63     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1855E+06 RDR   = 0.000
           RATIOT=0.7955E-16 RATIOR= 0.000
           MAX UN=0.1421E-13 IEQ=   183 NODE     92 DOF   1  Y-DISPL.F
           MIN UN=-.7105E-14 IEQ=   117 NODE     59 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1855E+06 RIMNOR= 0.000
           RENORM=0.1493E-26 REMNOR= 0.000     RATIO =0.8971E-16 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 52.63     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1855E+06 RDR   = 0.000
           RATIOT=0.8971E-16 RATIOR= 0.000
           MAX UN=0.1421E-13 IEQ=   117 NODE     59 DOF   1  Y-DISPL.F
           MIN UN=-.1421E-13 IEQ=   145 NODE     73 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :27 January 2022   16:41:02                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    2     ( AT TIME   2.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
   23   2.9290626E-04    0.000000
   24   3.6580269E-04    0.000000
   25   3.8756768E-04    0.000000
   26   4.0933255E-04    0.000000
   27   4.3109753E-04    0.000000
   28   3.7390554E-05    0.000000
   29   4.0318751E-05    0.000000
   30   4.3246949E-05    0.000000
   31   4.6175131E-05    0.000000
   32   4.9103328E-05    0.000000
   33   5.2031524E-05    0.000000
   34   5.4959720E-05    0.000000
   35   5.7887916E-05    0.000000
   36   6.0816111E-05    0.000000
   37   6.3744292E-05    0.000000
   38   6.6672487E-05    0.000000
   39   6.9600681E-05    0.000000
   40   7.2528876E-05    0.000000
   41   7.5457070E-05    0.000000
   42   7.8385250E-05    0.000000
   43   8.1313443E-05    0.000000
   44   8.4241637E-05    0.000000
   45   8.7169831E-05    0.000000
   46   9.0098024E-05    0.000000
   47   9.3026203E-05    0.000000
   48   9.5954396E-05    0.000000
   49   9.8882590E-05    0.000000
   50   1.0181078E-04    0.000000
   51   1.0473890E-04    0.000000
   52   1.0766710E-04    0.000000
   53   1.1059529E-04    0.000000
   54   1.1352348E-04    0.000000
   55   1.1645167E-04    0.000000
   56   1.1937987E-04    0.000000
   57   1.2230806E-04    0.000000
   58   1.2523625E-04    0.000000
   59   1.2816444E-04    0.000000
   60   1.3109264E-04    0.000000
   61   1.3402083E-04    0.000000
   62   1.3694902E-04    0.000000
   63   1.3987721E-04    0.000000
   64   1.4280540E-04    0.000000
   65   1.4573360E-04    0.000000
   66   1.4866179E-04    0.000000
   67   1.5158998E-04    0.000000
   68   1.5451817E-04    0.000000
   69   1.5744636E-04    0.000000
   70   1.6037456E-04    0.000000
   71   1.6330275E-04    0.000000
   72   1.6623094E-04    0.000000
   73   1.6915913E-04    0.000000
   74   1.7208732E-04    0.000000
   75   1.7501551E-04    0.000000
   76   1.7794371E-04    0.000000
   77   1.8087190E-04    0.000000
   78   1.8380009E-04    0.000000
   79   1.8672828E-04    0.000000
   80   1.8965647E-04    0.000000
   81   1.9258466E-04    0.000000
   82   1.9551286E-04    0.000000
   83   1.9844105E-04    0.000000
   84   2.0136924E-04    0.000000
   85   2.0429743E-04    0.000000
   86   2.0722562E-04    0.000000
   87   2.1015381E-04    0.000000
   88   2.1308200E-04    0.000000
   89   5.8527221E-07    0.000000
   90   5.1211327E-07    0.000000
   91   4.3895430E-07    0.000000
   92   3.6579530E-07    0.000000
   93   2.9263629E-07    0.000000
   94   2.1947725E-07    0.000000
   95   1.4631818E-07    0.000000
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96   7.3159101E-08    0.000000
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:41:02                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                      :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   97
C U R R E N T   T I M E   I S      2.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000       0.000       0.000       0.000       1.900      0.9500          UL-RL  5.0638E+04 -0.1000       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.4654       0.000       3.800       2.327       5.700       2.850          UL-RL  5.0638E+04 -0.3000       0.000
1.000       1.000       2.327       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D  0.8497       0.000       7.600       4.249       9.500       4.750          UL-RL  5.0638E+04 -0.5000       0.000
1.000       1.000       4.249       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.231       0.000       11.40       6.157       13.30       6.650          UL-RL  5.0638E+04 -0.7000       0.000
1.000       1.000       6.157       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.612       0.000       15.20       8.061       17.10       8.550          UL-RL  5.0638E+04 -0.9000       0.000
1.000       1.000       8.061       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   1.993       0.000       19.00       9.964       20.90       10.45          UL-RL  5.0638E+04  -1.100       0.000
1.000       1.000       9.964       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.373       0.000       22.80       11.87       24.70       12.35          UL-RL  5.0638E+04  -1.300       0.000
1.000       1.000       11.87       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   2.753       0.000       26.60       13.77       28.50       14.25          UL-RL  5.0638E+04  -1.500       0.000
1.000       1.000       13.77       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.134       0.000       30.40       15.67       32.30       16.15          UL-RL  5.0638E+04  -1.700       0.000
1.000       1.000       15.67       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   3.514       0.000       34.20       17.57       36.10       18.05          UL-RL  5.0638E+04  -1.900       0.000
1.000       1.000       17.57       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   3.894       0.000       38.00       19.47       39.90       19.95          UL-RL  5.0638E+04  -2.100       0.000
1.000       1.000       19.47       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.274       0.000       41.80       21.37       43.70       21.85          UL-RL  5.0638E+04  -2.300       0.000
1.000       1.000       21.37       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   4.654       0.000       45.60       23.27       47.50       23.75          UL-RL  5.0638E+04  -2.500       0.000
1.000       1.000       23.27       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.034       0.000       49.40       25.17       51.30       25.65          UL-RL  5.0638E+04  -2.700       0.000
1.000       1.000       25.17       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.414       0.000       53.20       27.07       55.10       27.55          UL-RL  5.0638E+04  -2.900       0.000
1.000       1.000       27.07       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   5.794       0.000       57.00       28.97       58.90       29.45          UL-RL  5.0638E+04  -3.100       0.000
1.000       1.000       28.97       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.174       0.000       60.80       30.87       62.70       31.35          UL-RL  5.0638E+04  -3.300       0.000
1.000       1.000       30.87       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   6.554       0.000       64.60       32.77       66.50       33.25          UL-RL  5.0638E+04  -3.500       0.000
1.000       1.000       32.77       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   6.934       0.000       68.40       34.67       70.30       35.15          UL-RL  5.0638E+04  -3.700       0.000
1.000       1.000       34.67       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.314       0.000       72.20       36.57       74.10       37.05          UL-RL  5.0638E+04  -3.900       0.000
1.000       1.000       36.57       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   7.694       0.000       76.00       38.47       77.90       38.95          UL-RL  5.0638E+04  -4.100       0.000
1.000       1.000       38.47       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   8.074       0.000       79.80       40.37       81.70       40.85          UL-RL  5.0638E+04  -4.300       0.000
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1.000       1.000       40.37       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   9.408     -2.9291E-04   81.82       45.26       83.72       45.74          UL-RL  5.0638E+04  -4.500       1.778
1.000       1.000       47.04       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   10.06     -3.6580E-04   83.65       46.55       85.55       47.03          UL-RL  5.0638E+04  -4.700       3.755
1.000       1.000       50.30       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   10.71     -3.8757E-04   85.47       47.84       87.37       48.32          UL-RL  5.0638E+04  -4.900       5.732
1.000       1.000       53.57       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   11.37     -4.0933E-04   87.29       49.13       89.19       49.61          UL-RL  5.0638E+04  -5.100       7.708
1.000       1.000       56.84       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   12.02     -4.3110E-04   89.11       50.42       91.01       50.89          UL-RL  5.0638E+04  -5.300       9.685
1.000       1.000       60.10       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   12.02     -3.7391E-05   91.14       48.43       93.04       48.91          UL-RL  3.4303E+05  -5.500       11.66
1.000       1.000       60.09       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   12.68     -4.0319E-05   93.16       49.78       95.06       50.25          UL-RL  3.4303E+05  -5.700       13.64
1.000       1.000       63.41       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   13.35     -4.3247E-05   95.18       51.12       97.08       51.60          UL-RL  3.4303E+05  -5.900       15.62
1.000       1.000       66.74       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   14.01     -4.6175E-05   97.21       52.47       99.11       52.95          UL-RL  3.4303E+05  -6.100       17.59
1.000       1.000       70.06       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   14.68     -4.9103E-05   99.23       53.82       101.1       54.30          UL-RL  3.4303E+05  -6.300       19.57
1.000       1.000       73.39       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   15.34     -5.2032E-05   101.3       55.17       103.2       55.64          UL-RL  3.4303E+05  -6.500       21.55
1.000       1.000       76.71       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   16.01     -5.4960E-05   103.3       56.51       105.2       56.99          UL-RL  3.4303E+05  -6.700       23.52
1.000       1.000       80.04       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   16.67     -5.7888E-05   105.3       57.86       107.2       58.34          UL-RL  3.4303E+05  -6.900       25.50
1.000       1.000       83.36       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   17.34     -6.0816E-05   107.3       59.21       109.2       59.69          UL-RL  3.4303E+05  -7.100       27.48
1.000       1.000       86.68       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   18.00     -6.3744E-05   109.3       60.56       111.2       61.03          UL-RL  3.4303E+05  -7.300       29.45
1.000       1.000       90.01       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   18.67     -6.6672E-05   111.4       61.90       113.3       62.38          UL-RL  3.4303E+05  -7.500       31.43
1.000       1.000       93.33       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   19.33     -6.9601E-05   113.4       63.25       115.3       63.73          UL-RL  3.4303E+05  -7.700       33.41
1.000       1.000       96.66       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   20.00     -7.2529E-05   115.4       64.60       117.3       65.08          UL-RL  3.4303E+05  -7.900       35.38
1.000       1.000       99.98       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   20.66     -7.5457E-05   117.4       65.95       119.3       66.42          UL-RL  3.4303E+05  -8.100       37.36
1.000       1.000       103.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   21.33     -7.8385E-05   119.5       67.29       121.4       67.77          UL-RL  3.4303E+05  -8.300       39.34
1.000       1.000       106.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   21.99     -8.1313E-05   121.5       68.64       123.4       69.12          UL-RL  3.4303E+05  -8.500       41.31
1.000       1.000       110.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   22.66     -8.4242E-05   123.5       69.99       125.4       70.47          UL-RL  3.4303E+05  -8.700       43.29
1.000       1.000       113.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   23.32     -8.7170E-05   125.5       71.34       127.4       71.81          UL-RL  3.4303E+05  -8.900       45.27
1.000       1.000       116.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   23.99     -9.0098E-05   127.6       72.68       129.5       73.16          UL-RL  3.4303E+05  -9.100       47.24
1.000       1.000       119.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   24.65     -9.3026E-05   129.6       74.03       131.5       74.51          UL-RL  3.4303E+05  -9.300       49.22
1.000       1.000       123.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   25.32     -9.5954E-05   131.6       75.38       133.5       75.86          UL-RL  3.4303E+05  -9.500       51.20
1.000       1.000       126.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   25.98     -9.8883E-05   133.6       76.73       135.5       77.20          UL-RL  3.4303E+05  -9.700       53.17
1.000       1.000       129.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   26.64     -1.0181E-04   135.6       78.07       137.5       78.55          UL-RL  3.4303E+05  -9.900       55.15
1.000       1.000       133.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   27.31     -1.0474E-04   137.7       79.42       139.6       79.90          UL-RL  3.4303E+05  -10.10       57.13
1.000       1.000       136.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   27.97     -1.0767E-04   139.7       80.77       141.6       81.25          UL-RL  3.4303E+05  -10.30       59.10
1.000       1.000       139.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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53 D	28.64	-1.1060E-04	141.7	82.12	143.6	82.59	UL-RL	3.4303E+05	-10.50	61.08	
1.000	1.000	143.2	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
54 D	29.30	-1.1352E-04	143.7	83.46	145.6	83.94	UL-RL	3.4303E+05	-10.70	63.06	
1.000	1.000	146.5	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
55 D	29.97	-1.1645E-04	145.8	84.81	147.7	85.29	UL-RL	3.4303E+05	-10.90	65.03	
1.000	1.000	149.8	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
56 D	30.63	-1.1938E-04	147.8	86.16	149.7	86.64	UL-RL	3.4303E+05	-11.10	67.01	
1.000	1.000	153.2	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
57 D	31.30	-1.2231E-04	149.8	87.51	151.7	87.98	UL-RL	3.4303E+05	-11.30	68.99	
1.000	1.000	156.5	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
58 D	31.96	-1.2524E-04	151.8	88.85	153.7	89.33	UL-RL	3.4303E+05	-11.50	70.96	
1.000	1.000	159.8	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
59 D	32.63	-1.2816E-04	153.9	90.20	155.8	90.68	UL-RL	3.4303E+05	-11.70	72.94	
1.000	1.000	163.1	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
60 D	33.29	-1.3109E-04	155.9	91.55	157.8	92.03	UL-RL	3.4303E+05	-11.90	74.92	
1.000	1.000	166.5	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
61 D	33.96	-1.3402E-04	157.9	92.90	159.8	93.37	UL-RL	3.4303E+05	-12.10	76.89	
1.000	1.000	169.8	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
62 D	34.62	-1.3695E-04	159.9	94.24	161.8	94.72	UL-RL	3.4303E+05	-12.30	78.87	
1.000	1.000	173.1	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
63 D	35.29	-1.3988E-04	162.0	95.59	163.9	96.07	UL-RL	3.4303E+05	-12.50	80.85	
1.000	1.000	176.4	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
64 D	35.95	-1.4281E-04	164.0	96.94	165.9	97.42	UL-RL	3.4303E+05	-12.70	82.82	
1.000	1.000	179.8	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
65 D	36.62	-1.4573E-04	166.0	98.29	167.9	98.76	UL-RL	3.4303E+05	-12.90	84.80	
1.000	1.000	183.1	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
66 D	37.28	-1.4866E-04	168.0	99.63	169.9	100.1	UL-RL	3.4303E+05	-13.10	86.78	
1.000	1.000	186.4	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
67 D	37.95	-1.5159E-04	170.0	101.0	171.9	101.5	UL-RL	3.4303E+05	-13.30	88.75	
1.000	1.000	189.7	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
68 D	38.61	-1.5452E-04	172.1	102.3	174.0	102.8	UL-RL	3.4303E+05	-13.50	90.73	
1.000	1.000	193.1	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
69 D	39.28	-1.5745E-04	174.1	103.7	176.0	104.2	UL-RL	3.4303E+05	-13.70	92.71	
1.000	1.000	196.4	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
70 D	39.94	-1.6037E-04	176.1	105.0	178.0	105.5	UL-RL	3.4303E+05	-13.90	94.68	
1.000	1.000	199.7	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
71 D	40.61	-1.6330E-04	178.1	106.4	180.0	106.8	UL-RL	3.4303E+05	-14.10	96.66	
1.000	1.000	203.0	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
72 D	41.27	-1.6623E-04	180.2	107.7	182.1	108.2	UL-RL	3.4303E+05	-14.30	98.64	
1.000	1.000	206.4	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
73 D	41.94	-1.6916E-04	182.2	109.1	184.1	109.5	UL-RL	3.4303E+05	-14.50	100.6	
1.000	1.000	209.7	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
74 D	42.60	-1.7209E-04	184.2	110.4	186.1	110.9	UL-RL	3.4303E+05	-14.70	102.6	
1.000	1.000	213.0	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
75 D	43.27	-1.7502E-04	186.2	111.8	188.1	112.2	UL-RL	3.4303E+05	-14.90	104.6	
1.000	1.000	216.3	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
76 D	43.93	-1.7794E-04	188.3	113.1	190.2	113.6	UL-RL	3.4303E+05	-15.10	106.5	
1.000	1.000	219.7	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
77 D	44.60	-1.8087E-04	190.3	114.5	192.2	114.9	UL-RL	3.4303E+05	-15.30	108.5	
1.000	1.000	223.0	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
78 D	45.26	-1.8380E-04	192.3	115.8	194.2	116.3	UL-RL	3.4303E+05	-15.50	110.5	
1.000	1.000	226.3	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
79 D	45.93	-1.8673E-04	194.3	117.2	196.2	117.6	UL-RL	3.4303E+05	-15.70	112.5	
1.000	1.000	229.6	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
80 D	46.59	-1.8966E-04	196.3	118.5	198.2	119.0	UL-RL	3.4303E+05	-15.90	114.5	
1.000	1.000	233.0	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
81 D	47.26	-1.9258E-04	198.4	119.8	200.3	120.3	UL-RL	3.4303E+05	-16.10	116.4	
1.000	1.000	236.3	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
82 D	47.92	-1.9551E-04	200.4	121.2	202.3	121.7	UL-RL	3.4303E+05	-16.30	118.4	
1.000	1.000	239.6	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
83 D	48.58	-1.9844E-04	202.4	122.5	204.3	123.0	UL-RL	3.4303E+05	-16.50	120.4	
1.000	1.000	242.9	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	

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0.0000      0.0000      0.0000      0.0000      0.0000
  84 D   49.25     -2.0137E-04   204.4       123.9       206.3       124.4          UL-RL  3.4303E+05  -16.70       122.4
1.000       1.000       246.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  85 D   49.91     -2.0430E-04   206.5       125.2       208.4       125.7          UL-RL  3.4303E+05  -16.90       124.3
1.000       1.000       249.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  86 D   50.58     -2.0723E-04   208.5       126.6       210.4       127.1          UL-RL  3.4303E+05  -17.10       126.3
1.000       1.000       252.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  87 D   51.24     -2.1015E-04   210.5       127.9       212.4       128.4          UL-RL  3.4303E+05  -17.30       128.3
1.000       1.000       256.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  88 D   51.91     -2.1308E-04   212.5       129.3       214.4       129.8          UL-RL  3.4303E+05  -17.50       130.3
1.000       1.000       259.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  89 D   48.00     -5.8527E-07   214.9       107.8       216.8       108.4          UL-RL  2.5158E+05  -17.70       132.2
1.000       1.000       240.0       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  90 D   48.66     -5.1211E-07   217.5       109.1       219.4       109.7          UL-RL  2.5158E+05  -17.90       134.2
1.000       1.000       243.3       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  91 D   49.32     -4.3895E-07   220.1       110.4       222.0       111.0          UL-RL  2.5158E+05  -18.10       136.2
1.000       1.000       246.6       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  92 D   49.98     -3.6580E-07   222.7       111.7       224.6       112.3          UL-RL  2.5158E+05  -18.30       138.2
1.000       1.000       249.9       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  93 D   50.65     -2.9264E-07   225.3       113.1       227.2       113.6          UL-RL  2.5158E+05  -18.50       140.2
1.000       1.000       253.2       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  94 D   51.31     -2.1948E-07   228.0       114.4       229.9       114.9          UL-RL  2.5158E+05  -18.70       142.1
1.000       1.000       256.5       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  95 D   51.97     -1.4632E-07   230.6       115.7       232.5       116.2          UL-RL  2.5158E+05  -18.90       144.1
1.000       1.000       259.8       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  96 D   52.63     -7.3159E-08   233.2       117.1       235.1       117.6          UL-RL  2.5158E+05  -19.10       146.1
1.000       1.000       263.1       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  97 D   26.65       0.000       235.8       118.4       237.7       118.9          UL-RL  2.5158E+05  -19.30       148.1
1.000       1.000       266.5       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                  Exe Time :27 January 2022   16:41:02                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   97
C U R R E N T   T I M E   I S      2.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000       0.000       0.000       0.000       1.900      0.9500          UL-RL  4.8816E+04 -0.1000       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.4654       0.000       3.800       2.327       5.700       2.850          UL-RL  4.8816E+04 -0.3000       0.000
1.000       1.000       2.327       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D  0.8497       0.000       7.600       4.249       9.500       4.750          UL-RL  4.8816E+04 -0.5000       0.000
1.000       1.000       4.249       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.231       0.000       11.40       6.157       13.30       6.650          UL-RL  4.8816E+04 -0.7000       0.000
1.000       1.000       6.157       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.612       0.000       15.20       8.061       17.10       8.550          UL-RL  4.8816E+04 -0.9000       0.000
1.000       1.000       8.061       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   1.993       0.000       19.00       9.964       20.90       10.45          UL-RL  4.8816E+04  -1.100       0.000
1.000       1.000       9.964       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.373       0.000       22.80       11.87       24.70       12.35          UL-RL  4.8816E+04  -1.300       0.000
1.000       1.000       11.87       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   2.753       0.000       26.60       13.77       28.50       14.25          UL-RL  4.8816E+04  -1.500       0.000
1.000       1.000       13.77       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.134       0.000       30.40       15.67       32.30       16.15          UL-RL  4.8816E+04  -1.700       0.000
1.000       1.000       15.67       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   3.514       0.000       34.20       17.57       36.10       18.05          UL-RL  4.8816E+04  -1.900       0.000
1.000       1.000       17.57       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   3.894       0.000       38.00       19.47       39.90       19.95          UL-RL  4.8816E+04  -2.100       0.000
1.000       1.000       19.47       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.274       0.000       41.80       21.37       43.70       21.85          UL-RL  4.8816E+04  -2.300       0.000
1.000       1.000       21.37       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   4.654       0.000       45.60       23.27       47.50       23.75          UL-RL  4.8816E+04  -2.500       0.000
1.000       1.000       23.27       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.034       0.000       49.40       25.17       51.30       25.65          UL-RL  4.8816E+04  -2.700       0.000
1.000       1.000       25.17       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.414       0.000       53.20       27.07       55.10       27.55          UL-RL  4.8816E+04  -2.900       0.000
1.000       1.000       27.07       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   5.794       0.000       57.00       28.97       58.90       29.45          UL-RL  4.8816E+04  -3.100       0.000
1.000       1.000       28.97       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.174       0.000       60.80       30.87       62.70       31.35          UL-RL  4.8816E+04  -3.300       0.000
1.000       1.000       30.87       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   6.554       0.000       64.60       32.77       66.50       33.25          UL-RL  4.8816E+04  -3.500       0.000
1.000       1.000       32.77       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   6.934       0.000       68.40       34.67       70.30       35.15          UL-RL  4.8816E+04  -3.700       0.000
1.000       1.000       34.67       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.314       0.000       72.20       36.57       74.10       37.05          UL-RL  4.8816E+04  -3.900       0.000
1.000       1.000       36.57       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   7.694       0.000       76.00       38.47       77.90       38.95          UL-RL  4.8816E+04  -4.100       0.000
1.000       1.000       38.47       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   8.074       0.000       79.80       40.37       81.70       40.85          UL-RL  4.8816E+04  -4.300       0.000
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1.000       1.000       40.37       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D    9.408      2.9291E-04   83.60       47.04       85.50       47.52          UL-RL  4.8816E+04  -4.500       0.000
1.000       1.000       47.04       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D    10.06      3.6580E-04   87.04       49.95       88.94       50.42          UL-RL  4.8816E+04  -4.700       0.3592
1.000       1.000       50.30       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D    10.71      3.8757E-04   88.82       51.19       90.72       51.67          UL-RL  4.8816E+04  -4.900       2.382
1.000       1.000       53.57       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D    11.37      4.0933E-04   90.59       52.43       92.49       52.91          UL-RL  4.8816E+04  -5.100       4.406
1.000       1.000       56.84       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D    12.02      4.3110E-04   92.37       53.67       94.27       54.15          UL-RL  4.8816E+04  -5.300       6.429
1.000       1.000       60.10       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D    12.02      3.7391E-05   94.35       51.64       96.25       52.12          UL-RL  3.2027E+05  -5.500       8.452
1.000       1.000       60.09       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D    12.68      4.0319E-05   96.32       52.94       98.22       53.42          UL-RL  3.2027E+05  -5.700       10.48
1.000       1.000       63.41       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D    13.35      4.3247E-05   98.30       54.24       100.2       54.72          UL-RL  3.2027E+05  -5.900       12.50
1.000       1.000       66.74       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D    14.01      4.6175E-05   100.3       55.54       102.2       56.02          UL-RL  3.2027E+05  -6.100       14.52
1.000       1.000       70.06       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D    14.68      4.9103E-05   102.3       56.84       104.2       57.32          UL-RL  3.2027E+05  -6.300       16.55
1.000       1.000       73.39       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D    15.34      5.2032E-05   104.2       58.14       106.1       58.62          UL-RL  3.2027E+05  -6.500       18.57
1.000       1.000       76.71       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D    16.01      5.4960E-05   106.2       59.44       108.1       59.92          UL-RL  3.2027E+05  -6.700       20.59
1.000       1.000       80.04       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D    16.67      5.7888E-05   108.2       60.75       110.1       61.22          UL-RL  3.2027E+05  -6.900       22.62
1.000       1.000       83.36       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D    17.34      6.0816E-05   110.2       62.05       112.1       62.52          UL-RL  3.2027E+05  -7.100       24.64
1.000       1.000       86.68       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D    18.00      6.3744E-05   112.1       63.35       114.0       63.82          UL-RL  3.2027E+05  -7.300       26.66
1.000       1.000       90.01       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D    18.67      6.6672E-05   114.1       64.65       116.0       65.13          UL-RL  3.2027E+05  -7.500       28.68
1.000       1.000       93.33       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D    19.33      6.9601E-05   116.1       65.95       118.0       66.43          UL-RL  3.2027E+05  -7.700       30.71
1.000       1.000       96.66       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D    20.00      7.2529E-05   118.1       67.25       120.0       67.73          UL-RL  3.2027E+05  -7.900       32.73
1.000       1.000       99.98       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D    20.66      7.5457E-05   120.0       68.55       121.9       69.03          UL-RL  3.2027E+05  -8.100       34.75
1.000       1.000       103.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D    21.33      7.8385E-05   122.0       69.85       123.9       70.33          UL-RL  3.2027E+05  -8.300       36.78
1.000       1.000       106.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D    21.99      8.1313E-05   124.0       71.15       125.9       71.63          UL-RL  3.2027E+05  -8.500       38.80
1.000       1.000       110.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D    22.66      8.4242E-05   126.0       72.45       127.9       72.93          UL-RL  3.2027E+05  -8.700       40.82
1.000       1.000       113.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D    23.32      8.7170E-05   128.0       73.76       129.9       74.23          UL-RL  3.2027E+05  -8.900       42.85
1.000       1.000       116.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D    23.99      9.0098E-05   129.9       75.06       131.8       75.53          UL-RL  3.2027E+05  -9.100       44.87
1.000       1.000       119.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D    24.65      9.3026E-05   131.9       76.36       133.8       76.83          UL-RL  3.2027E+05  -9.300       46.89
1.000       1.000       123.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D    25.32      9.5954E-05   133.9       77.66       135.8       78.14          UL-RL  3.2027E+05  -9.500       48.92
1.000       1.000       126.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D    25.98      9.8883E-05   135.9       78.96       137.8       79.44          UL-RL  3.2027E+05  -9.700       50.94
1.000       1.000       129.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D    26.64      1.0181E-04   137.8       80.26       139.7       80.74          UL-RL  3.2027E+05  -9.900       52.96
1.000       1.000       133.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D    27.31      1.0474E-04   139.8       81.56       141.7       82.04          UL-RL  3.2027E+05  -10.10       54.99
1.000       1.000       136.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D    27.97      1.0767E-04   141.8       82.86       143.7       83.34          UL-RL  3.2027E+05  -10.30       57.01
1.000       1.000       139.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   28.64      1.1060E-04   143.8       84.16       145.7       84.64          UL-RL  3.2027E+05  -10.50       59.03
1.000       1.000       143.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   29.30      1.1352E-04   145.7       85.46       147.6       85.94          UL-RL  3.2027E+05  -10.70       61.06
1.000       1.000       146.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   29.97      1.1645E-04   147.7       86.77       149.6       87.24          UL-RL  3.2027E+05  -10.90       63.08
1.000       1.000       149.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   30.63      1.1938E-04   149.7       88.07       151.6       88.54          UL-RL  3.2027E+05  -11.10       65.10
1.000       1.000       153.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   31.30      1.2231E-04   151.7       89.37       153.6       89.84          UL-RL  3.2027E+05  -11.30       67.13
1.000       1.000       156.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   31.96      1.2524E-04   153.6       90.67       155.5       91.14          UL-RL  3.2027E+05  -11.50       69.15
1.000       1.000       159.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   32.63      1.2816E-04   155.6       91.97       157.5       92.45          UL-RL  3.2027E+05  -11.70       71.17
1.000       1.000       163.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   33.29      1.3109E-04   157.6       93.27       159.5       93.75          UL-RL  3.2027E+05  -11.90       73.20
1.000       1.000       166.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   33.96      1.3402E-04   159.6       94.57       161.5       95.05          UL-RL  3.2027E+05  -12.10       75.22
1.000       1.000       169.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   34.62      1.3695E-04   161.6       95.87       163.5       96.35          UL-RL  3.2027E+05  -12.30       77.24
1.000       1.000       173.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   35.29      1.3988E-04   163.5       97.17       165.4       97.65          UL-RL  3.2027E+05  -12.50       79.27
1.000       1.000       176.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   35.95      1.4281E-04   165.5       98.47       167.4       98.95          UL-RL  3.2027E+05  -12.70       81.29
1.000       1.000       179.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   36.62      1.4573E-04   167.5       99.78       169.4       100.3          UL-RL  3.2027E+05  -12.90       83.31
1.000       1.000       183.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   37.28      1.4866E-04   169.5       101.1       171.4       101.6          UL-RL  3.2027E+05  -13.10       85.34
1.000       1.000       186.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   37.95      1.5159E-04   171.4       102.4       173.3       102.9          UL-RL  3.2027E+05  -13.30       87.36
1.000       1.000       189.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   38.61      1.5452E-04   173.4       103.7       175.3       104.2          UL-RL  3.2027E+05  -13.50       89.38
1.000       1.000       193.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   39.28      1.5745E-04   175.4       105.0       177.3       105.5          UL-RL  3.2027E+05  -13.70       91.41
1.000       1.000       196.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   39.94      1.6037E-04   177.4       106.3       179.3       106.8          UL-RL  3.2027E+05  -13.90       93.43
1.000       1.000       199.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   40.61      1.6330E-04   179.3       107.6       181.2       108.1          UL-RL  3.2027E+05  -14.10       95.45
1.000       1.000       203.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   41.27      1.6623E-04   181.3       108.9       183.2       109.4          UL-RL  3.2027E+05  -14.30       97.48
1.000       1.000       206.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   41.94      1.6916E-04   183.3       110.2       185.2       110.7          UL-RL  3.2027E+05  -14.50       99.50
1.000       1.000       209.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   42.60      1.7209E-04   185.3       111.5       187.2       112.0          UL-RL  3.2027E+05  -14.70       101.5
1.000       1.000       213.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   43.27      1.7502E-04   187.3       112.8       189.2       113.3          UL-RL  3.2027E+05  -14.90       103.5
1.000       1.000       216.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   43.93      1.7794E-04   189.2       114.1       191.1       114.6          UL-RL  3.2027E+05  -15.10       105.6
1.000       1.000       219.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   44.60      1.8087E-04   191.2       115.4       193.1       115.9          UL-RL  3.2027E+05  -15.30       107.6
1.000       1.000       223.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   45.26      1.8380E-04   193.2       116.7       195.1       117.2          UL-RL  3.2027E+05  -15.50       109.6
1.000       1.000       226.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   45.93      1.8673E-04   195.2       118.0       197.1       118.5          UL-RL  3.2027E+05  -15.70       111.6
1.000       1.000       229.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   46.59      1.8966E-04   197.1       119.3       199.0       119.8          UL-RL  3.2027E+05  -15.90       113.7
1.000       1.000       233.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   47.26      1.9258E-04   199.1       120.6       201.0       121.1          UL-RL  3.2027E+05  -16.10       115.7
1.000       1.000       236.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   47.92      1.9551E-04   201.1       121.9       203.0       122.4          UL-RL  3.2027E+05  -16.30       117.7
1.000       1.000       239.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  83 D   48.58      1.9844E-04   203.1       123.2       205.0       123.7          UL-RL  3.2027E+05  -16.50       119.7
1.000       1.000       242.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
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0.0000      0.0000      0.0000      0.0000      0.0000
  84 D   49.25      2.0137E-04   205.0       124.5       206.9       125.0          UL-RL  3.2027E+05  -16.70       121.8
1.000       1.000       246.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  85 D   49.91      2.0430E-04   207.0       125.8       208.9       126.3          UL-RL  3.2027E+05  -16.90       123.8
1.000       1.000       249.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  86 D   50.58      2.0723E-04   209.0       127.1       210.9       127.6          UL-RL  3.2027E+05  -17.10       125.8
1.000       1.000       252.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  87 D   51.24      2.1015E-04   211.0       128.4       212.9       128.9          UL-RL  3.2027E+05  -17.30       127.8
1.000       1.000       256.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  88 D   51.91      2.1308E-04   213.0       129.7       214.9       130.2          UL-RL  3.2027E+05  -17.50       129.8
1.000       1.000       259.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  89 D   48.00      5.8527E-07   215.2       108.1       217.1       108.6          UL-RL  1.9897E+05  -17.70       131.9
1.000       1.000       240.0       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  90 D   48.66      5.1211E-07   217.8       109.4       219.7       109.9          UL-RL  1.9897E+05  -17.90       133.9
1.000       1.000       243.3       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  91 D   49.32      4.3895E-07   220.4       110.7       222.3       111.2          UL-RL  1.9897E+05  -18.10       135.9
1.000       1.000       246.6       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  92 D   49.98      3.6580E-07   223.0       112.0       224.9       112.5          UL-RL  1.9897E+05  -18.30       137.9
1.000       1.000       249.9       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  93 D   50.65      2.9264E-07   225.5       113.3       227.4       113.7          UL-RL  1.9897E+05  -18.50       140.0
1.000       1.000       253.2       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  94 D   51.31      2.1948E-07   228.1       114.5       230.0       115.0          UL-RL  1.9897E+05  -18.70       142.0
1.000       1.000       256.5       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  95 D   51.97      1.4632E-07   230.7       115.8       232.6       116.3          UL-RL  1.9897E+05  -18.90       144.0
1.000       1.000       259.8       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  96 D   52.63      7.3159E-08   233.3       117.1       235.2       117.6          UL-RL  1.9897E+05  -19.10       146.0
1.000       1.000       263.1       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  97 D   26.65       0.000       235.8       118.4       237.7       118.9          UL-RL  1.9897E+05  -19.30       148.1
1.000       1.000       266.5       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :27 January 2022   16:41:02                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099                                          :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   96
C U R R E N T   T I M E   I S      2.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1855E+06 RIMNOR= 0.000
           RENORM=0.1493E-26 REMNOR= 0.000     RATIO =0.8971E-16 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 52.63     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1855E+06 RDR   = 0.000
           RATIOT=0.8971E-16 RATIOR= 0.000
           MAX UN=0.1421E-13 IEQ=   117 NODE     59 DOF   1  Y-DISPL.F
           MIN UN=-.1421E-13 IEQ=   145 NODE     73 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1855E+06 RIMNOR= 0.000
           RENORM=0.1021E-18 REMNOR=0.9253E-21 RATIO =0.7419E-12 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 52.63     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1855E+06 RDR   = 0.000
           RATIOT=0.7419E-12 RATIOR= 0.000
           MAX UN=0.1979E-09 IEQ=   131 NODE     66 DOF   1  Y-DISPL.F
           MIN UN=-.1983E-09 IEQ=   129 NODE     65 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1855E+06 RIMNOR= 0.000
           RENORM=0.1617E-18 REMNOR=0.1335E-20 RATIO =0.9338E-12 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 52.63     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1855E+06 RDR   = 0.000
           RATIOT=0.9338E-12 RATIOR= 0.000
           MAX UN=0.1988E-09 IEQ=   169 NODE     85 DOF   1  Y-DISPL.F
           MIN UN=-.1976E-09 IEQ=   167 NODE     84 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :27 January 2022   16:41:02                                                 |
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New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    3     ( AT TIME   3.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
   23   2.9290626E-04  -3.0389033E-22
   24   3.6580269E-04  -5.3564860E-22
   25   3.8756768E-04  -7.8963662E-22
   26   4.0933255E-04  -1.0605653E-21
   27   4.3109753E-04  -1.3285478E-21
   28   3.7390554E-05  -1.5809467E-21
   29   4.0318751E-05  -1.8212788E-21
   30   4.3246949E-05  -2.0398964E-21
   31   4.6175131E-05  -2.2267551E-21
   32   4.9103328E-05  -2.3859463E-21
   33   5.2031524E-05  -2.5210746E-21
   34   5.4959720E-05  -2.6352271E-21
   35   5.7887916E-05  -2.7309428E-21
   36   6.0816111E-05  -2.7956119E-21
   37   6.3744292E-05  -2.8160311E-21
   38   6.6672487E-05  -2.7966541E-21
   39   6.9600681E-05  -2.7450109E-21
   40   7.2528876E-05  -2.6680240E-21
   41   7.5457070E-05  -2.5720192E-21
   42   7.8385250E-05  -2.4627425E-21
   43   8.1313443E-05  -2.3453791E-21
   44   8.4241637E-05  -2.2245798E-21
   45   8.7169831E-05  -2.0899084E-21
   46   9.0098024E-05  -1.9304451E-21
   47   9.3026203E-05  -1.7493928E-21
   48   9.5954396E-05  -1.5495320E-21
   49   9.8882590E-05  -1.3332658E-21
   50   1.0181078E-04  -1.1026597E-21
   51   1.0473890E-04  -8.5949559E-22
   52   1.0766710E-04  -5.9072165E-22
   53   1.1059529E-04  -3.1226957E-22
   54   1.1352348E-04  -5.4512728E-23
   55   1.1645167E-04   1.6682009E-22
   56   1.1937987E-04   3.0686160E-22
   57   1.2230806E-04   3.3528697E-22
   58   1.2523625E-04   2.5086034E-22
   59   1.2816444E-04   5.2276907E-23
   60   1.3109264E-04  -2.0351520E-22
   61   1.3402083E-04  -4.5957718E-22
   62   1.3694902E-04  -7.1722927E-22
   63   1.3987721E-04  -9.7769161E-22
   64   1.4280540E-04  -1.2128764E-21
   65   1.4573360E-04  -1.3944839E-21
   66   1.4866179E-04  -1.5522556E-21
   67   1.5158998E-04  -1.7303829E-21
   68   1.5451817E-04  -1.9291675E-21
   69   1.5744636E-04  -2.1193820E-21
   70   1.6037456E-04  -2.3005311E-21
   71   1.6330275E-04  -2.5008100E-21
   72   1.6623094E-04  -2.7187606E-21
   73   1.6915913E-04  -2.9232282E-21
   74   1.7208732E-04  -3.1116184E-21
   75   1.7501551E-04  -3.3098524E-21
   76   1.7794371E-04  -3.5140221E-21
   77   1.8087190E-04  -3.7194987E-21
   78   1.8380009E-04  -3.9500399E-21
   79   1.8672828E-04  -4.2285926E-21
   80   1.8965647E-04  -4.5480905E-21
   81   1.9258466E-04  -4.9005451E-21
   82   1.9551286E-04  -5.2769767E-21
   83   1.9844105E-04  -5.6673376E-21
   84   2.0136924E-04  -6.0895827E-21
   85   2.0429743E-04  -6.5312800E-21
   86   2.0722562E-04  -6.9786711E-21
   87   2.1015381E-04  -7.3874240E-21
   88   2.1308200E-04  -7.6825368E-21
   89   5.8527221E-07  -7.8457119E-21
   90   5.1211327E-07  -7.9107979E-21
   91   4.3895430E-07  -7.9056950E-21
   92   3.6579530E-07  -7.8278161E-21
   93   2.9263629E-07  -7.7315534E-21
   94   2.1947725E-07  -7.6699462E-21
   95   1.4631818E-07  -7.6363613E-21
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96   7.3159101E-08  -7.6228153E-21
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:41:02                                               |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                      :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   97
C U R R E N T   T I M E   I S      3.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -8.3536E-21   0.000       0.000       1.900      0.9500          ACTIVE   0.000     -0.1000       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  0.4654     -8.6194E-21   3.800       2.327       5.700       2.850          UL-RL  5.0638E+04 -0.3000       0.000
1.000       1.000       2.327       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D  0.8497     -8.8852E-21   7.600       4.249       9.500       4.750          UL-RL  5.0638E+04 -0.5000       0.000
1.000       1.000       4.249       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   1.231     -9.1506E-21   11.40       6.157       13.30       6.650          UL-RL  5.0638E+04 -0.7000       0.000
1.000       1.000       6.157       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   1.612     -9.4152E-21   15.20       8.061       17.10       8.550          UL-RL  5.0638E+04 -0.9000       0.000
1.000       1.000       8.061       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   1.993     -9.6783E-21   19.00       9.964       20.90       10.45          UL-RL  5.0638E+04  -1.100       0.000
1.000       1.000       9.964       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   2.373     -9.9392E-21   22.80       11.87       24.70       12.35          UL-RL  5.0638E+04  -1.300       0.000
1.000       1.000       11.87       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   2.753     -1.0197E-20   26.60       13.77       28.50       14.25          UL-RL  5.0638E+04  -1.500       0.000
1.000       1.000       13.77       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   3.134     -1.0450E-20   30.40       15.67       32.30       16.15          UL-RL  5.0638E+04  -1.700       0.000
1.000       1.000       15.67       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   3.514     -1.0697E-20   34.20       17.57       36.10       18.05          UL-RL  5.0638E+04  -1.900       0.000
1.000       1.000       17.57       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   3.894     -1.0937E-20   38.00       19.47       39.90       19.95          UL-RL  5.0638E+04  -2.100       0.000
1.000       1.000       19.47       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   4.274     -1.1167E-20   41.80       21.37       43.70       21.85          UL-RL  5.0638E+04  -2.300       0.000
1.000       1.000       21.37       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   4.654     -1.1386E-20   45.60       23.27       47.50       23.75          UL-RL  5.0638E+04  -2.500       0.000
1.000       1.000       23.27       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.034     -1.1592E-20   49.40       25.17       51.30       25.65          UL-RL  5.0638E+04  -2.700       0.000
1.000       1.000       25.17       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.414     -1.1782E-20   53.20       27.07       55.10       27.55          UL-RL  5.0638E+04  -2.900       0.000
1.000       1.000       27.07       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   5.794     -1.1954E-20   57.00       28.97       58.90       29.45          UL-RL  5.0638E+04  -3.100       0.000
1.000       1.000       28.97       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.174     -1.2105E-20   60.80       30.87       62.70       31.35          UL-RL  5.0638E+04  -3.300       0.000
1.000       1.000       30.87       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   6.554     -1.2233E-20   64.60       32.77       66.50       33.25          UL-RL  5.0638E+04  -3.500       0.000
1.000       1.000       32.77       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   6.934     -1.2334E-20   68.40       34.67       70.30       35.15          UL-RL  5.0638E+04  -3.700       0.000
1.000       1.000       34.67       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   7.314     -1.2405E-20   72.20       36.57       74.10       37.05          UL-RL  5.0638E+04  -3.900       0.000
1.000       1.000       36.57       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   7.694     -1.2443E-20   76.00       38.47       77.90       38.95          UL-RL  5.0638E+04  -4.100       0.000
1.000       1.000       38.47       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   8.074     -1.2444E-20   79.80       40.37       81.70       40.85          UL-RL  5.0638E+04  -4.300       0.000
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1.000       1.000       40.37       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   9.408     -2.9291E-04   81.82       45.26       83.72       45.74          UL-RL  5.0638E+04  -4.500       1.778
1.000       1.000       47.04       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   10.06     -3.6580E-04   83.65       46.55       85.55       47.03          UL-RL  5.0638E+04  -4.700       3.755
1.000       1.000       50.30       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   10.71     -3.8757E-04   85.47       47.84       87.37       48.32          UL-RL  5.0638E+04  -4.900       5.732
1.000       1.000       53.57       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   11.37     -4.0933E-04   87.29       49.13       89.19       49.61          UL-RL  5.0638E+04  -5.100       7.708
1.000       1.000       56.84       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   12.02     -4.3110E-04   89.11       50.42       91.01       50.89          UL-RL  5.0638E+04  -5.300       9.685
1.000       1.000       60.10       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   12.02     -3.7391E-05   91.14       48.43       93.04       48.91          UL-RL  3.4303E+05  -5.500       11.66
1.000       1.000       60.09       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   12.68     -4.0319E-05   93.16       49.78       95.06       50.25          UL-RL  3.4303E+05  -5.700       13.64
1.000       1.000       63.41       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   13.35     -4.3247E-05   95.18       51.12       97.08       51.60          UL-RL  3.4303E+05  -5.900       15.62
1.000       1.000       66.74       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   14.01     -4.6175E-05   97.21       52.47       99.11       52.95          UL-RL  3.4303E+05  -6.100       17.59
1.000       1.000       70.06       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   14.68     -4.9103E-05   99.23       53.82       101.1       54.30          UL-RL  3.4303E+05  -6.300       19.57
1.000       1.000       73.39       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   15.34     -5.2032E-05   101.3       55.17       103.2       55.64          UL-RL  3.4303E+05  -6.500       21.55
1.000       1.000       76.71       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   16.01     -5.4960E-05   103.3       56.51       105.2       56.99          UL-RL  3.4303E+05  -6.700       23.52
1.000       1.000       80.04       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   16.67     -5.7888E-05   105.3       57.86       107.2       58.34          UL-RL  3.4303E+05  -6.900       25.50
1.000       1.000       83.36       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   17.34     -6.0816E-05   107.3       59.21       109.2       59.69          UL-RL  3.4303E+05  -7.100       27.48
1.000       1.000       86.68       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   18.00     -6.3744E-05   109.3       60.56       111.2       61.03          UL-RL  3.4303E+05  -7.300       29.45
1.000       1.000       90.01       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   18.67     -6.6672E-05   111.4       61.90       113.3       62.38          UL-RL  3.4303E+05  -7.500       31.43
1.000       1.000       93.33       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   19.33     -6.9601E-05   113.4       63.25       115.3       63.73          UL-RL  3.4303E+05  -7.700       33.41
1.000       1.000       96.66       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   20.00     -7.2529E-05   115.4       64.60       117.3       65.08          UL-RL  3.4303E+05  -7.900       35.38
1.000       1.000       99.98       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   20.66     -7.5457E-05   117.4       65.95       119.3       66.42          UL-RL  3.4303E+05  -8.100       37.36
1.000       1.000       103.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   21.33     -7.8385E-05   119.5       67.29       121.4       67.77          UL-RL  3.4303E+05  -8.300       39.34
1.000       1.000       106.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   21.99     -8.1313E-05   121.5       68.64       123.4       69.12          UL-RL  3.4303E+05  -8.500       41.31
1.000       1.000       110.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   22.66     -8.4242E-05   123.5       69.99       125.4       70.47          UL-RL  3.4303E+05  -8.700       43.29
1.000       1.000       113.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   23.32     -8.7170E-05   125.5       71.34       127.4       71.81          UL-RL  3.4303E+05  -8.900       45.27
1.000       1.000       116.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   23.99     -9.0098E-05   127.6       72.68       129.5       73.16          UL-RL  3.4303E+05  -9.100       47.24
1.000       1.000       119.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   24.65     -9.3026E-05   129.6       74.03       131.5       74.51          UL-RL  3.4303E+05  -9.300       49.22
1.000       1.000       123.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   25.32     -9.5954E-05   131.6       75.38       133.5       75.86          UL-RL  3.4303E+05  -9.500       51.20
1.000       1.000       126.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   25.98     -9.8883E-05   133.6       76.73       135.5       77.20          UL-RL  3.4303E+05  -9.700       53.17
1.000       1.000       129.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   26.64     -1.0181E-04   135.6       78.07       137.5       78.55          UL-RL  3.4303E+05  -9.900       55.15
1.000       1.000       133.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   27.31     -1.0474E-04   137.7       79.42       139.6       79.90          UL-RL  3.4303E+05  -10.10       57.13
1.000       1.000       136.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   27.97     -1.0767E-04   139.7       80.77       141.6       81.25          UL-RL  3.4303E+05  -10.30       59.10
1.000       1.000       139.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   28.64     -1.1060E-04   141.7       82.12       143.6       82.59          UL-RL  3.4303E+05  -10.50       61.08
1.000       1.000       143.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   29.30     -1.1352E-04   143.7       83.46       145.6       83.94          UL-RL  3.4303E+05  -10.70       63.06
1.000       1.000       146.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   29.97     -1.1645E-04   145.8       84.81       147.7       85.29          UL-RL  3.4303E+05  -10.90       65.03
1.000       1.000       149.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   30.63     -1.1938E-04   147.8       86.16       149.7       86.64          UL-RL  3.4303E+05  -11.10       67.01
1.000       1.000       153.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   31.30     -1.2231E-04   149.8       87.51       151.7       87.98          UL-RL  3.4303E+05  -11.30       68.99
1.000       1.000       156.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   31.96     -1.2524E-04   151.8       88.85       153.7       89.33          UL-RL  3.4303E+05  -11.50       70.96
1.000       1.000       159.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   32.63     -1.2816E-04   153.9       90.20       155.8       90.68          UL-RL  3.4303E+05  -11.70       72.94
1.000       1.000       163.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   33.29     -1.3109E-04   155.9       91.55       157.8       92.03          UL-RL  3.4303E+05  -11.90       74.92
1.000       1.000       166.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   33.96     -1.3402E-04   157.9       92.90       159.8       93.37          UL-RL  3.4303E+05  -12.10       76.89
1.000       1.000       169.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   34.62     -1.3695E-04   159.9       94.24       161.8       94.72          UL-RL  3.4303E+05  -12.30       78.87
1.000       1.000       173.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   35.29     -1.3988E-04   162.0       95.59       163.9       96.07          UL-RL  3.4303E+05  -12.50       80.85
1.000       1.000       176.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   35.95     -1.4281E-04   164.0       96.94       165.9       97.42          UL-RL  3.4303E+05  -12.70       82.82
1.000       1.000       179.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   36.62     -1.4573E-04   166.0       98.29       167.9       98.76          UL-RL  3.4303E+05  -12.90       84.80
1.000       1.000       183.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   37.28     -1.4866E-04   168.0       99.63       169.9       100.1          UL-RL  3.4303E+05  -13.10       86.78
1.000       1.000       186.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   37.95     -1.5159E-04   170.0       101.0       171.9       101.5          UL-RL  3.4303E+05  -13.30       88.75
1.000       1.000       189.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   38.61     -1.5452E-04   172.1       102.3       174.0       102.8          UL-RL  3.4303E+05  -13.50       90.73
1.000       1.000       193.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   39.28     -1.5745E-04   174.1       103.7       176.0       104.2          UL-RL  3.4303E+05  -13.70       92.71
1.000       1.000       196.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   39.94     -1.6037E-04   176.1       105.0       178.0       105.5          UL-RL  3.4303E+05  -13.90       94.68
1.000       1.000       199.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   40.61     -1.6330E-04   178.1       106.4       180.0       106.8          UL-RL  3.4303E+05  -14.10       96.66
1.000       1.000       203.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   41.27     -1.6623E-04   180.2       107.7       182.1       108.2          UL-RL  3.4303E+05  -14.30       98.64
1.000       1.000       206.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   41.94     -1.6916E-04   182.2       109.1       184.1       109.5          UL-RL  3.4303E+05  -14.50       100.6
1.000       1.000       209.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   42.60     -1.7209E-04   184.2       110.4       186.1       110.9          UL-RL  3.4303E+05  -14.70       102.6
1.000       1.000       213.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   43.27     -1.7502E-04   186.2       111.8       188.1       112.2          UL-RL  3.4303E+05  -14.90       104.6
1.000       1.000       216.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   43.93     -1.7794E-04   188.3       113.1       190.2       113.6          UL-RL  3.4303E+05  -15.10       106.5
1.000       1.000       219.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   44.60     -1.8087E-04   190.3       114.5       192.2       114.9          UL-RL  3.4303E+05  -15.30       108.5
1.000       1.000       223.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   45.26     -1.8380E-04   192.3       115.8       194.2       116.3          UL-RL  3.4303E+05  -15.50       110.5
1.000       1.000       226.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   45.93     -1.8673E-04   194.3       117.2       196.2       117.6          UL-RL  3.4303E+05  -15.70       112.5
1.000       1.000       229.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   46.59     -1.8966E-04   196.3       118.5       198.2       119.0          UL-RL  3.4303E+05  -15.90       114.5
1.000       1.000       233.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   47.26     -1.9258E-04   198.4       119.8       200.3       120.3          UL-RL  3.4303E+05  -16.10       116.4
1.000       1.000       236.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   47.92     -1.9551E-04   200.4       121.2       202.3       121.7          UL-RL  3.4303E+05  -16.30       118.4
1.000       1.000       239.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  83 D   48.58     -1.9844E-04   202.4       122.5       204.3       123.0          UL-RL  3.4303E+05  -16.50       120.4
1.000       1.000       242.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
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0.0000      0.0000      0.0000      0.0000      0.0000
  84 D   49.25     -2.0137E-04   204.4       123.9       206.3       124.4          UL-RL  3.4303E+05  -16.70       122.4
1.000       1.000       246.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  85 D   49.91     -2.0430E-04   206.5       125.2       208.4       125.7          UL-RL  3.4303E+05  -16.90       124.3
1.000       1.000       249.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  86 D   50.58     -2.0723E-04   208.5       126.6       210.4       127.1          UL-RL  3.4303E+05  -17.10       126.3
1.000       1.000       252.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  87 D   51.24     -2.1015E-04   210.5       127.9       212.4       128.4          UL-RL  3.4303E+05  -17.30       128.3
1.000       1.000       256.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  88 D   51.91     -2.1308E-04   212.5       129.3       214.4       129.8          UL-RL  3.4303E+05  -17.50       130.3
1.000       1.000       259.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  89 D   48.00     -5.8527E-07   214.9       107.8       216.8       108.4          UL-RL  2.5158E+05  -17.70       132.2
1.000       1.000       240.0       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  90 D   48.66     -5.1211E-07   217.5       109.1       219.4       109.7          UL-RL  2.5158E+05  -17.90       134.2
1.000       1.000       243.3       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  91 D   49.32     -4.3895E-07   220.1       110.4       222.0       111.0          UL-RL  2.5158E+05  -18.10       136.2
1.000       1.000       246.6       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  92 D   49.98     -3.6580E-07   222.7       111.7       224.6       112.3          UL-RL  2.5158E+05  -18.30       138.2
1.000       1.000       249.9       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  93 D   50.65     -2.9264E-07   225.3       113.1       227.2       113.6          UL-RL  2.5158E+05  -18.50       140.2
1.000       1.000       253.2       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  94 D   51.31     -2.1948E-07   228.0       114.4       229.9       114.9          UL-RL  2.5158E+05  -18.70       142.1
1.000       1.000       256.5       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  95 D   51.97     -1.4632E-07   230.6       115.7       232.5       116.2          UL-RL  2.5158E+05  -18.90       144.1
1.000       1.000       259.8       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  96 D   52.63     -7.3159E-08   233.2       117.1       235.1       117.6          UL-RL  2.5158E+05  -19.10       146.1
1.000       1.000       263.1       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  97 D   26.65      3.1857E-20   235.8       118.4       237.7       118.9          UL-RL  2.5158E+05  -19.30       148.1
1.000       1.000       266.5       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:41:02                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   97
C U R R E N T   T I M E   I S      3.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
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-----------------------------------------------
   1 D  4.0779E-17  8.3536E-21   0.000      4.0779E-16   1.900      0.9500          UL-RL  4.8816E+04 -0.1000       0.000
1.000       1.000      4.0779E-16   0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000       0.0000      0.0000      0.0000
   2 D  0.4654      8.6194E-21   3.800       2.327       5.700       2.850          UL-RL  4.8816E+04 -0.3000       0.000
1.000       1.000       2.327       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000       0.0000      0.0000      0.0000
   3 D  0.8497      8.8852E-21   7.600       4.249       9.500       4.750          UL-RL  4.8816E+04 -0.5000       0.000
1.000       1.000       4.249       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000       0.0000      0.0000      0.0000
   4 D   1.231      9.1506E-21   11.40       6.157       13.30       6.650          UL-RL  4.8816E+04 -0.7000       0.000
1.000       1.000       6.157       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000       0.0000      0.0000      0.0000
   5 D   1.612      9.4152E-21   15.20       8.061       17.10       8.550          UL-RL  4.8816E+04 -0.9000       0.000
1.000       1.000       8.061       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000       0.0000      0.0000      0.0000
   6 D   1.993      9.6783E-21   19.00       9.964       20.90       10.45          UL-RL  4.8816E+04  -1.100       0.000
1.000       1.000       9.964       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000       0.0000      0.0000      0.0000
   7 D   2.373      9.9392E-21   22.80       11.87       24.70       12.35          UL-RL  4.8816E+04  -1.300       0.000
1.000       1.000       11.87       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000       0.0000      0.0000      0.0000
   8 D   2.753      1.0197E-20   26.60       13.77       28.50       14.25          UL-RL  4.8816E+04  -1.500       0.000
1.000       1.000       13.77       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000       0.0000      0.0000      0.0000
   9 D   3.134      1.0450E-20   30.40       15.67       32.30       16.15          UL-RL  4.8816E+04  -1.700       0.000
1.000       1.000       15.67       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000       0.0000      0.0000      0.0000
  10 D   3.514      1.0697E-20   34.20       17.57       36.10       18.05          UL-RL  4.8816E+04  -1.900       0.000
1.000       1.000       17.57       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000       0.0000      0.0000      0.0000
  11 D   3.894      1.0937E-20   38.00       19.47       39.90       19.95          UL-RL  4.8816E+04  -2.100       0.000
1.000       1.000       19.47       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000       0.0000      0.0000      0.0000
  12 D   4.274      1.1167E-20   41.80       21.37       43.70       21.85          UL-RL  4.8816E+04  -2.300       0.000
1.000       1.000       21.37       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000       0.0000      0.0000      0.0000
  13 D   4.654      1.1386E-20   45.60       23.27       47.50       23.75          UL-RL  4.8816E+04  -2.500       0.000
1.000       1.000       23.27       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000       0.0000      0.0000      0.0000
  14 D   5.034      1.1592E-20   49.40       25.17       51.30       25.65          UL-RL  4.8816E+04  -2.700       0.000
1.000       1.000       25.17       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000       0.0000      0.0000      0.0000
  15 D   5.414      1.1782E-20   53.20       27.07       55.10       27.55          UL-RL  4.8816E+04  -2.900       0.000
1.000       1.000       27.07       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000       0.0000      0.0000      0.0000
  16 D   5.794      1.1954E-20   57.00       28.97       58.90       29.45          UL-RL  4.8816E+04  -3.100       0.000
1.000       1.000       28.97       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000       0.0000      0.0000      0.0000
  17 D   6.174      1.2105E-20   60.80       30.87       62.70       31.35          UL-RL  4.8816E+04  -3.300       0.000
1.000       1.000       30.87       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000       0.0000      0.0000      0.0000
  18 D   6.554      1.2233E-20   64.60       32.77       66.50       33.25          UL-RL  4.8816E+04  -3.500       0.000
1.000       1.000       32.77       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000       0.0000      0.0000      0.0000
  19 D   6.934      1.2334E-20   68.40       34.67       70.30       35.15          UL-RL  4.8816E+04  -3.700       0.000
1.000       1.000       34.67       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000       0.0000      0.0000      0.0000
  20 D   7.314      1.2405E-20   72.20       36.57       74.10       37.05          UL-RL  4.8816E+04  -3.900       0.000
1.000       1.000       36.57       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000       0.0000      0.0000      0.0000
  21 D   7.694      1.2443E-20   76.00       38.47       77.90       38.95          UL-RL  4.8816E+04  -4.100       0.000
1.000       1.000       38.47       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000       0.0000      0.0000      0.0000
  22 D   8.074      1.2444E-20   79.80       40.37       81.70       40.85          UL-RL  4.8816E+04  -4.300       0.000
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1.000       1.000       40.37       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   9.408      2.9291E-04   83.60       47.04       85.50       47.52          UL-RL  4.8816E+04  -4.500       0.000
1.000       1.000       47.04       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   10.06      3.6580E-04   87.04       49.95       88.94       50.42          UL-RL  4.8816E+04  -4.700       0.3592
1.000       1.000       50.30       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   10.71      3.8757E-04   88.82       51.19       90.72       51.67          UL-RL  4.8816E+04  -4.900       2.382
1.000       1.000       53.57       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   11.37      4.0933E-04   90.59       52.43       92.49       52.91          UL-RL  4.8816E+04  -5.100       4.406
1.000       1.000       56.84       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   12.02      4.3110E-04   92.37       53.67       94.27       54.15          UL-RL  4.8816E+04  -5.300       6.429
1.000       1.000       60.10       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   12.02      3.7391E-05   94.35       51.64       96.25       52.12          UL-RL  3.2027E+05  -5.500       8.452
1.000       1.000       60.09       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   12.68      4.0319E-05   96.32       52.94       98.22       53.42          UL-RL  3.2027E+05  -5.700       10.48
1.000       1.000       63.41       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   13.35      4.3247E-05   98.30       54.24       100.2       54.72          UL-RL  3.2027E+05  -5.900       12.50
1.000       1.000       66.74       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   14.01      4.6175E-05   100.3       55.54       102.2       56.02          UL-RL  3.2027E+05  -6.100       14.52
1.000       1.000       70.06       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   14.68      4.9103E-05   102.3       56.84       104.2       57.32          UL-RL  3.2027E+05  -6.300       16.55
1.000       1.000       73.39       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   15.34      5.2032E-05   104.2       58.14       106.1       58.62          UL-RL  3.2027E+05  -6.500       18.57
1.000       1.000       76.71       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   16.01      5.4960E-05   106.2       59.44       108.1       59.92          UL-RL  3.2027E+05  -6.700       20.59
1.000       1.000       80.04       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   16.67      5.7888E-05   108.2       60.75       110.1       61.22          UL-RL  3.2027E+05  -6.900       22.62
1.000       1.000       83.36       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   17.34      6.0816E-05   110.2       62.05       112.1       62.52          UL-RL  3.2027E+05  -7.100       24.64
1.000       1.000       86.68       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   18.00      6.3744E-05   112.1       63.35       114.0       63.82          UL-RL  3.2027E+05  -7.300       26.66
1.000       1.000       90.01       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   18.67      6.6672E-05   114.1       64.65       116.0       65.13          UL-RL  3.2027E+05  -7.500       28.68
1.000       1.000       93.33       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   19.33      6.9601E-05   116.1       65.95       118.0       66.43          UL-RL  3.2027E+05  -7.700       30.71
1.000       1.000       96.66       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   20.00      7.2529E-05   118.1       67.25       120.0       67.73          UL-RL  3.2027E+05  -7.900       32.73
1.000       1.000       99.98       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   20.66      7.5457E-05   120.0       68.55       121.9       69.03          UL-RL  3.2027E+05  -8.100       34.75
1.000       1.000       103.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   21.33      7.8385E-05   122.0       69.85       123.9       70.33          UL-RL  3.2027E+05  -8.300       36.78
1.000       1.000       106.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   21.99      8.1313E-05   124.0       71.15       125.9       71.63          UL-RL  3.2027E+05  -8.500       38.80
1.000       1.000       110.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   22.66      8.4242E-05   126.0       72.45       127.9       72.93          UL-RL  3.2027E+05  -8.700       40.82
1.000       1.000       113.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   23.32      8.7170E-05   128.0       73.76       129.9       74.23          UL-RL  3.2027E+05  -8.900       42.85
1.000       1.000       116.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   23.99      9.0098E-05   129.9       75.06       131.8       75.53          UL-RL  3.2027E+05  -9.100       44.87
1.000       1.000       119.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   24.65      9.3026E-05   131.9       76.36       133.8       76.83          UL-RL  3.2027E+05  -9.300       46.89
1.000       1.000       123.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   25.32      9.5954E-05   133.9       77.66       135.8       78.14          UL-RL  3.2027E+05  -9.500       48.92
1.000       1.000       126.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   25.98      9.8883E-05   135.9       78.96       137.8       79.44          UL-RL  3.2027E+05  -9.700       50.94
1.000       1.000       129.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   26.64      1.0181E-04   137.8       80.26       139.7       80.74          UL-RL  3.2027E+05  -9.900       52.96
1.000       1.000       133.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   27.31      1.0474E-04   139.8       81.56       141.7       82.04          UL-RL  3.2027E+05  -10.10       54.99
1.000       1.000       136.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   27.97      1.0767E-04   141.8       82.86       143.7       83.34          UL-RL  3.2027E+05  -10.30       57.01
1.000       1.000       139.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   28.64      1.1060E-04   143.8       84.16       145.7       84.64          UL-RL  3.2027E+05  -10.50       59.03
1.000       1.000       143.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   29.30      1.1352E-04   145.7       85.46       147.6       85.94          UL-RL  3.2027E+05  -10.70       61.06
1.000       1.000       146.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   29.97      1.1645E-04   147.7       86.77       149.6       87.24          UL-RL  3.2027E+05  -10.90       63.08
1.000       1.000       149.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   30.63      1.1938E-04   149.7       88.07       151.6       88.54          UL-RL  3.2027E+05  -11.10       65.10
1.000       1.000       153.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   31.30      1.2231E-04   151.7       89.37       153.6       89.84          UL-RL  3.2027E+05  -11.30       67.13
1.000       1.000       156.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   31.96      1.2524E-04   153.6       90.67       155.5       91.14          UL-RL  3.2027E+05  -11.50       69.15
1.000       1.000       159.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   32.63      1.2816E-04   155.6       91.97       157.5       92.45          UL-RL  3.2027E+05  -11.70       71.17
1.000       1.000       163.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   33.29      1.3109E-04   157.6       93.27       159.5       93.75          UL-RL  3.2027E+05  -11.90       73.20
1.000       1.000       166.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   33.96      1.3402E-04   159.6       94.57       161.5       95.05          UL-RL  3.2027E+05  -12.10       75.22
1.000       1.000       169.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   34.62      1.3695E-04   161.6       95.87       163.5       96.35          UL-RL  3.2027E+05  -12.30       77.24
1.000       1.000       173.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   35.29      1.3988E-04   163.5       97.17       165.4       97.65          UL-RL  3.2027E+05  -12.50       79.27
1.000       1.000       176.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   35.95      1.4281E-04   165.5       98.47       167.4       98.95          UL-RL  3.2027E+05  -12.70       81.29
1.000       1.000       179.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   36.62      1.4573E-04   167.5       99.78       169.4       100.3          UL-RL  3.2027E+05  -12.90       83.31
1.000       1.000       183.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   37.28      1.4866E-04   169.5       101.1       171.4       101.6          UL-RL  3.2027E+05  -13.10       85.34
1.000       1.000       186.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   37.95      1.5159E-04   171.4       102.4       173.3       102.9          UL-RL  3.2027E+05  -13.30       87.36
1.000       1.000       189.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   38.61      1.5452E-04   173.4       103.7       175.3       104.2          UL-RL  3.2027E+05  -13.50       89.38
1.000       1.000       193.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   39.28      1.5745E-04   175.4       105.0       177.3       105.5          UL-RL  3.2027E+05  -13.70       91.41
1.000       1.000       196.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   39.94      1.6037E-04   177.4       106.3       179.3       106.8          UL-RL  3.2027E+05  -13.90       93.43
1.000       1.000       199.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   40.61      1.6330E-04   179.3       107.6       181.2       108.1          UL-RL  3.2027E+05  -14.10       95.45
1.000       1.000       203.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   41.27      1.6623E-04   181.3       108.9       183.2       109.4          UL-RL  3.2027E+05  -14.30       97.48
1.000       1.000       206.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   41.94      1.6916E-04   183.3       110.2       185.2       110.7          UL-RL  3.2027E+05  -14.50       99.50
1.000       1.000       209.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   42.60      1.7209E-04   185.3       111.5       187.2       112.0          UL-RL  3.2027E+05  -14.70       101.5
1.000       1.000       213.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   43.27      1.7502E-04   187.3       112.8       189.2       113.3          UL-RL  3.2027E+05  -14.90       103.5
1.000       1.000       216.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   43.93      1.7794E-04   189.2       114.1       191.1       114.6          UL-RL  3.2027E+05  -15.10       105.6
1.000       1.000       219.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   44.60      1.8087E-04   191.2       115.4       193.1       115.9          UL-RL  3.2027E+05  -15.30       107.6
1.000       1.000       223.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   45.26      1.8380E-04   193.2       116.7       195.1       117.2          UL-RL  3.2027E+05  -15.50       109.6
1.000       1.000       226.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   45.93      1.8673E-04   195.2       118.0       197.1       118.5          UL-RL  3.2027E+05  -15.70       111.6
1.000       1.000       229.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   46.59      1.8966E-04   197.1       119.3       199.0       119.8          UL-RL  3.2027E+05  -15.90       113.7
1.000       1.000       233.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   47.26      1.9258E-04   199.1       120.6       201.0       121.1          UL-RL  3.2027E+05  -16.10       115.7
1.000       1.000       236.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   47.92      1.9551E-04   201.1       121.9       203.0       122.4          UL-RL  3.2027E+05  -16.30       117.7
1.000       1.000       239.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  83 D   48.58      1.9844E-04   203.1       123.2       205.0       123.7          UL-RL  3.2027E+05  -16.50       119.7
1.000       1.000       242.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
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0.0000      0.0000      0.0000      0.0000      0.0000
  84 D   49.25      2.0137E-04   205.0       124.5       206.9       125.0          UL-RL  3.2027E+05  -16.70       121.8
1.000       1.000       246.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  85 D   49.91      2.0430E-04   207.0       125.8       208.9       126.3          UL-RL  3.2027E+05  -16.90       123.8
1.000       1.000       249.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  86 D   50.58      2.0723E-04   209.0       127.1       210.9       127.6          UL-RL  3.2027E+05  -17.10       125.8
1.000       1.000       252.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  87 D   51.24      2.1015E-04   211.0       128.4       212.9       128.9          UL-RL  3.2027E+05  -17.30       127.8
1.000       1.000       256.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  88 D   51.91      2.1308E-04   213.0       129.7       214.9       130.2          UL-RL  3.2027E+05  -17.50       129.8
1.000       1.000       259.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  89 D   48.00      5.8527E-07   215.2       108.1       217.1       108.6          UL-RL  1.9897E+05  -17.70       131.9
1.000       1.000       240.0       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  90 D   48.66      5.1211E-07   217.8       109.4       219.7       109.9          UL-RL  1.9897E+05  -17.90       133.9
1.000       1.000       243.3       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  91 D   49.32      4.3895E-07   220.4       110.7       222.3       111.2          UL-RL  1.9897E+05  -18.10       135.9
1.000       1.000       246.6       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  92 D   49.98      3.6580E-07   223.0       112.0       224.9       112.5          UL-RL  1.9897E+05  -18.30       137.9
1.000       1.000       249.9       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  93 D   50.65      2.9264E-07   225.5       113.3       227.4       113.7          UL-RL  1.9897E+05  -18.50       140.0
1.000       1.000       253.2       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  94 D   51.31      2.1948E-07   228.1       114.5       230.0       115.0          UL-RL  1.9897E+05  -18.70       142.0
1.000       1.000       256.5       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  95 D   51.97      1.4632E-07   230.7       115.8       232.6       116.3          UL-RL  1.9897E+05  -18.90       144.0
1.000       1.000       259.8       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  96 D   52.63      7.3159E-08   233.3       117.1       235.2       117.6          UL-RL  1.9897E+05  -19.10       146.0
1.000       1.000       263.1       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  97 D   26.65     -3.1857E-20   235.8       118.4       237.7       118.9          UL-RL  1.9897E+05  -19.30       148.1
1.000       1.000       266.5       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   96
C U R R E N T   T I M E   I S   3.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

   EL   TA   TB   MA   MB

    1-4.07786E-17 4.07786E-17-1.38840E-28-8.15573E-18
    2-1.58076E-16 1.58076E-16 8.15573E-18-3.97709E-17
    3-2.74846E-16 2.74846E-16 3.97709E-17-9.47401E-17
    4-3.91085E-16 3.91085E-16 9.47401E-17-1.72957E-16
    5-5.06785E-16 5.06785E-16 1.72957E-16-2.74314E-16
    6-6.21932E-16 6.21932E-16 2.74314E-16-3.98700E-16
    7-7.36505E-16 7.36505E-16 3.98700E-16-5.46001E-16
    8-8.50474E-16 8.50474E-16 5.46001E-16-7.16096E-16
    9-9.63798E-16 9.63798E-16 7.16096E-16-9.08856E-16
   10-1.07643E-15 1.07643E-15 9.08856E-16-1.12414E-15
   11-1.18830E-15 1.18830E-15 1.12414E-15-1.36180E-15
   12-1.29934E-15 1.29934E-15 1.36180E-15-1.62167E-15
   13-1.40947E-15 1.40947E-15 1.62167E-15-1.90356E-15
   14-1.51859E-15 1.51859E-15 1.90356E-15-2.20728E-15
   15-1.62658E-15 1.62658E-15 2.20728E-15-2.53260E-15
   16-1.73333E-15 1.73333E-15 2.53260E-15-2.87926E-15
   17-1.83871E-15 1.83871E-15 2.87926E-15-3.24701E-15
   18-1.94259E-15 1.94259E-15 3.24701E-15-3.63553E-15
   19-2.04479E-15 2.04479E-15 3.63553E-15-4.04448E-15
   20-2.14519E-15 2.14519E-15 4.04448E-15-4.47352E-15
   21-2.24360E-15 2.24360E-15 4.47352E-15-4.92224E-15
   22 9.07031E-11-9.07031E-11 9.07546E-12 9.06515E-12
   23-6.13887E-13 6.13887E-13-5.57399E-14-6.70376E-14
   24-9.69074E-13 9.69074E-13-9.07167E-14-1.03098E-13
   25-1.35292E-12 1.35292E-12-1.28687E-13-1.41895E-13
   26-1.74697E-12 1.74697E-12-1.68165E-13-1.81228E-13
   27-1.01226E-10 1.01226E-10-1.01165E-11-1.01288E-11
   28-2.48777E-12 2.48777E-12-2.42920E-13-2.54635E-13
   29-2.82337E-12 2.82337E-12-2.77008E-13-2.87665E-13
   30-3.11989E-12 3.11989E-12-3.07433E-13-3.16542E-13
   31 4.61765E-11-4.61765E-11 4.62153E-12 4.61377E-12
   32-3.58811E-12 3.58811E-12-3.55517E-13-3.62105E-13
   33-3.77039E-12 3.77039E-12-3.74256E-13-3.79821E-13
   34-3.92385E-12 3.92385E-12-3.90052E-13-3.94718E-13
   35-4.04112E-12 4.04112E-12-4.02536E-13-4.05689E-13
   36-5.36535E-11 5.36535E-11-5.36482E-12-5.36582E-12
   37 9.49946E-11-9.49946E-11 9.49899E-12 9.49993E-12
   38-4.05217E-12 4.05217E-12-4.06476E-13-4.03959E-13
   39-3.95812E-12 3.95812E-12-3.97688E-13-3.93935E-13
   40-3.83162E-12 3.83162E-12-3.85502E-13-3.80822E-13
   41-3.68155E-12 3.68155E-12-3.70817E-13-3.65490E-13
   42-3.51579E-12 3.51579E-12-3.54440E-13-3.48719E-13
   43-3.34164E-12 3.34164E-12-3.37109E-13-3.31220E-13
   44-3.15484E-12 3.15484E-12-3.18766E-13-3.12201E-13
   45-2.93976E-12 2.93976E-12-2.97863E-13-2.90089E-13
   46-2.69080E-12 2.69080E-12-2.73491E-13-2.64665E-13
   47-2.41224E-12 2.41224E-12-2.46095E-13-2.36352E-13
   48-2.10796E-12 2.10796E-12-2.16067E-13-2.05525E-13
   49-1.78120E-12 1.78120E-12-1.83740E-13-1.72499E-13
   50-1.43484E-12 1.43484E-12-1.49407E-13-1.37553E-13
   51-1.06043E-12 1.06043E-12-1.12594E-13-9.94916E-14
   52-6.60285E-13 6.60285E-13-7.28155E-14-5.92415E-14
   53-2.68198E-13 2.68198E-13-3.31024E-14-2.05373E-14
   54 8.21213E-14-8.21213E-14 2.81737E-15 1.36069E-14
   55 3.46365E-13-3.46365E-13 3.12232E-14 3.80499E-14
   56 4.69552E-13-4.69552E-13 4.62623E-14 4.76480E-14
   57 4.28602E-13-4.28602E-13 4.49180E-14 4.08024E-14
   58 2.21660E-13-2.21660E-13 2.70063E-14 1.73257E-14
   59-1.10588E-13 1.10588E-13-4.82417E-15-1.72935E-14
   60-4.84866E-13 4.84866E-13-4.22454E-14-5.47279E-14
   61-8.60504E-13 8.60504E-13-7.97704E-14-9.23304E-14
   62-1.23936E-12 1.23936E-12-1.17587E-13-1.30284E-13
   63-1.60179E-12 1.60179E-12-1.54446E-13-1.65911E-13
   64-1.90655E-12 1.90655E-12-1.86229E-13-1.95082E-13
   65-2.15471E-12 2.15471E-12-2.11626E-13-2.19317E-13
   66-2.40033E-12 2.40033E-12-2.35691E-13-2.44375E-13
   67-2.67593E-12 2.67593E-12-2.62748E-13-2.72439E-13
   68-2.96038E-12 2.96038E-12-2.91402E-13-3.00674E-13
   69-3.23193E-12 3.23193E-12-3.18777E-13-3.27608E-13
   70-3.51083E-12 3.51083E-12-3.46202E-13-3.55965E-13

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   71-3.81665E-12 3.81665E-12-3.76353E-13-3.86978E-13
   72-4.12553E-12 4.12553E-12-4.07570E-13-4.17537E-13
   73-4.41280E-12 4.41280E-12-4.36688E-13-4.45872E-13
   74-4.69550E-12 4.69550E-12-4.64719E-13-4.74382E-13
   75-4.98975E-12 4.98975E-12-4.93999E-13-5.03951E-13
   76-5.28929E-12 5.28929E-12-5.23921E-13-5.33937E-13
   77-5.60812E-12 5.60812E-12-5.55192E-13-5.66431E-13
   78-5.98038E-12 5.98038E-12-5.91248E-13-6.04827E-13
   79-6.41768E-12 6.41768E-12-6.33981E-13-6.49556E-13
   80-6.90903E-12 6.90903E-12-6.82312E-13-6.99493E-13
   81-7.44200E-12 7.44200E-12-7.35025E-13-7.53375E-13
   82-8.00270E-12 8.00270E-12-7.90755E-13-8.09784E-13
   83-8.59689E-12 8.59689E-12-8.49397E-13-8.69981E-13
   84 1.88969E-10-1.88969E-10 1.89076E-11 1.88861E-11
   85-9.87874E-12 9.87874E-12-9.76969E-13-9.98779E-13
   86-1.05048E-11 1.05048E-11-1.04051E-12-1.06044E-12
   87-1.10194E-11 1.10194E-11-1.09475E-12-1.10914E-12
   88-6.70881E-11 6.70881E-11-6.70517E-12-6.71312E-12
   89 9.16642E-14-9.16642E-14 1.07528E-14 7.58001E-15
   90-3.39301E-13 3.39301E-13-3.40545E-14-3.38057E-14
   91 1.08481E-13-1.08481E-13 8.94990E-15 1.27463E-14
   92-1.51287E-13 1.51287E-13-1.74750E-14-1.27824E-14
   93 1.57702E-13-1.57702E-13 1.42686E-14 1.72719E-14
   94-1.59796E-13 1.59796E-13-1.67982E-14-1.51610E-14
   95 6.82196E-14-6.82196E-14 6.49179E-15 7.15213E-15
   96-9.74787E-15 9.74787E-15-1.04414E-15-9.05434E-16

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1756E+06 RIMNOR=0.1476E-20
           RENORM= 447.0     REMNOR=0.1335E-20 RATIO =0.5046E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 52.63     RMMAX =0.1891E-10
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-15
           RDT   =0.1756E+06 RDR   =0.1000E-15
           RATIOT=0.5046E-01 RATIOR= 0.000
           MAX UN= 3.894     IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           MIN UN=-.1804E-10 IEQ=   168 NODE     84 DOF   2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1756E+06 RIMNOR=0.1476E-20
           RENORM= 50.17     REMNOR=0.1419E-19 RATIO =0.1691E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 52.63     RMMAX =0.1891E-10
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-15
           RDT   =0.1756E+06 RDR   =0.1000E-15
           RATIOT=0.1691E-01 RATIOR= 0.000
           MAX UN= 3.414     IEQ=    55 NODE     28 DOF   1  Y-DISPL.F
           MIN UN=-.4213E-09 IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1756E+06 RIMNOR=0.1476E-20
           RENORM= 1.463     REMNOR=0.5124E-20 RATIO =0.2887E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 52.63     RMMAX =0.1891E-10
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-15
           RDT   =0.1756E+06 RDR   =0.1000E-15
           RATIOT=0.2887E-02 RATIOR= 0.000
           MAX UN=0.7838     IEQ=    63 NODE     32 DOF   1  Y-DISPL.F
           MIN UN=-.4895E-09 IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1756E+06 RIMNOR=0.1476E-20
           RENORM=0.1268E-02 REMNOR=0.7396E-20 RATIO =0.8500E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 52.63     RMMAX =0.1891E-10
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-15
           RDT   =0.1756E+06 RDR   =0.1000E-15
           RATIOT=0.8500E-04 RATIOR= 0.000
           MAX UN=0.1763E-01 IEQ=    77 NODE     39 DOF   1  Y-DISPL.F
           MIN UN=-.4578E-09 IEQ=    47 NODE     24 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :27 January 2022   16:41:02                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     4 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    4     ( AT TIME   4.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
    1   2.3702357E-04  -3.1753294E-05
    2   2.3067292E-04  -3.1753294E-05
    3   2.2432226E-04  -3.1753294E-05
    4   2.1797160E-04  -3.1753294E-05
    5   2.1162094E-04  -3.1753294E-05
    6   2.0527028E-04  -3.1753294E-05
    7   1.9891962E-04  -3.1753266E-05
    8   1.9256910E-04  -3.1751340E-05
    9   1.8621958E-04  -3.1742021E-05
   10   1.7987339E-04  -3.1716192E-05
   11   1.7353505E-04  -3.1661111E-05
   12   1.6721199E-04  -3.1560414E-05
   13   1.6091449E-04  -3.1405666E-05
   14   1.5465321E-04  -3.1198665E-05
   15   1.4843835E-04  -3.0941800E-05
   16   1.4227965E-04  -3.0637467E-05
   17   1.3618638E-04  -3.0287799E-05
   18   1.3016744E-04  -2.9894504E-05
   19   1.2423138E-04  -2.9458760E-05
   20   1.1838670E-04  -2.8981163E-05
   21   1.1264174E-04  -2.8461672E-05
   22   1.0700490E-04  -2.7899575E-05
   23   3.9439110E-04  -2.7293489E-05
   24   4.6189326E-04  -2.6641338E-05
   25   4.7839924E-04  -2.5940346E-05
   26   4.9505050E-04  -2.5187010E-05
   27   5.1185809E-04  -2.4377071E-05
   28   1.1336178E-04  -2.3505552E-05
   29   1.1168100E-04  -2.2575406E-05
   30   1.1019119E-04  -2.1597532E-05
   31   1.0890089E-04  -2.0582163E-05
   32   1.0781659E-04  -1.9538878E-05
   33   1.0694299E-04  -1.8476665E-05
   34   1.0628302E-04  -1.7403939E-05
   35   1.0583798E-04  -1.6328574E-05
   36   1.0560766E-04  -1.5257945E-05
   37   1.0559042E-04  -1.4198965E-05
   38   1.0578326E-04  -1.3158102E-05
   39   1.0618195E-04  -1.2141441E-05
   40   1.0678107E-04  -1.1154774E-05
   41   1.0757409E-04  -1.0203258E-05
   42   1.0855353E-04  -9.2910335E-06
   43   1.0971123E-04  -8.4213014E-06
   44   1.1103841E-04  -7.5964403E-06
   45   1.1252594E-04  -6.8180737E-06
   46   1.1416440E-04  -6.0871572E-06
   47   1.1594426E-04  -5.4040581E-06
   48   1.1785598E-04  -4.7686148E-06
   49   1.1989007E-04  -4.1802249E-06
   50   1.2203721E-04  -3.6378940E-06
   51   1.2428826E-04  -3.1403098E-06
   52   1.2663454E-04  -2.6858465E-06
   53   1.2906755E-04  -2.2726892E-06
   54   1.3157923E-04  -1.8988280E-06
   55   1.3416193E-04  -1.5621111E-06
   56   1.3680844E-04  -1.2602827E-06
   57   1.3951203E-04  -9.9101547E-07
   58   1.4226641E-04  -7.5194066E-07
   59   1.4506578E-04  -5.4067447E-07
   60   1.4790483E-04  -3.5484160E-07
   61   1.5077869E-04  -1.9209599E-07
   62   1.5368299E-04  -5.0138962E-08
   63   1.5661378E-04   7.3264837E-08
   64   1.5956759E-04   1.8027361E-07
   65   1.6254132E-04   2.7295644E-07
   66   1.6553233E-04   3.5328290E-07
   67   1.6853832E-04   4.2311417E-07
   68   1.7155737E-04   4.8419526E-07
   69   1.7458791E-04   5.3814842E-07
   70   1.7762864E-04   5.8646729E-07
   71   1.8067859E-04   6.3051182E-07
   72   1.8373703E-04   6.7150371E-07
   73   1.8680345E-04   7.1052232E-07
   74   1.8987755E-04   7.4850083E-07
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75	1.9295921E-04	7.8622260E-07
76	1.9604845E-04	8.2431763E-07
77	1.9914538E-04	8.6325904E-07
78	2.0225021E-04	9.0335952E-07
79	2.0536319E-04	9.4476765E-07
80	2.0848459E-04	9.8746412E-07
81	2.1161463E-04	1.0312579E-06
82	2.1475352E-04	1.0757819E-06
83	2.1790134E-04	1.1204893E-06
84	2.2105806E-04	1.1646488E-06
85	2.2422349E-04	1.2073408E-06
86	2.2739721E-04	1.2474527E-06
87	2.3057859E-04	1.2836752E-06
88	2.3376670E-04	1.3144984E-06
89	2.1535390E-05	1.3382095E-06
90	2.1731633E-05	1.3547518E-06
91	2.1930602E-05	1.3657347E-06
92	2.2131332E-05	1.3725642E-06
93	2.2333113E-05	1.3764429E-06
94	2.2535461E-05	1.3783697E-06
95	2.2738066E-05	1.3791389E-06
96	2.2940760E-05	1.3793406E-06
97	2.3143472E-05	1.3793605E-06

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:41:02                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   97
C U R R E N T   T I M E   I S      4.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -2.3702E-04   0.000       0.000       1.900      0.9500          ACTIVE   0.000     -0.1000       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D   0.000     -2.3067E-04   3.800       0.000       5.700       2.850          ACTIVE   0.000     -0.3000       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   0.000     -2.2432E-04   7.600       0.000       9.500       4.750          ACTIVE   0.000     -0.5000       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   0.000     -2.1797E-04   11.40       0.000       13.30       6.650          ACTIVE   0.000     -0.7000       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   0.000     -2.1162E-04   15.20       0.000       17.10       8.550          ACTIVE   0.000     -0.9000       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D  6.9309E-03 -2.0527E-04   19.00      3.4654E-02   20.90       10.45            UL-RL  4.8371E+04  -1.100       0.000
1.000       1.000      3.4654E-02   0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D  0.4487     -1.9892E-04   22.80       2.244       24.70       12.35            UL-RL  4.8371E+04  -1.300       0.000
1.000       1.000       2.244       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D  0.8904     -1.9257E-04   26.60       4.452       28.50       14.25            UL-RL  4.8371E+04  -1.500       0.000
1.000       1.000       4.452       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   1.332     -1.8622E-04   30.40       6.660       32.30       16.15            UL-RL  4.8371E+04  -1.700       0.000
1.000       1.000       6.660       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   1.774     -1.7987E-04   34.20       8.868       36.10       18.05            UL-RL  4.8371E+04  -1.900       0.000
1.000       1.000       8.868       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   2.215     -1.7354E-04   38.00       11.08       39.90       19.95            UL-RL  4.8371E+04  -2.100       0.000
1.000       1.000       11.08       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   2.656     -1.6721E-04   41.80       13.28       43.70       21.85            UL-RL  4.8371E+04  -2.300       0.000
1.000       1.000       13.28       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   3.097     -1.6091E-04   45.60       15.49       47.50       23.75            UL-RL  4.8371E+04  -2.500       0.000
1.000       1.000       15.49       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   3.538     -1.5465E-04   49.40       17.69       51.30       25.65            UL-RL  4.8371E+04  -2.700       0.000
1.000       1.000       17.69       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   3.978     -1.4844E-04   53.20       19.89       55.10       27.55            UL-RL  4.8371E+04  -2.900       0.000
1.000       1.000       19.89       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   4.418     -1.4228E-04   57.00       22.09       58.90       29.45            UL-RL  4.8371E+04  -3.100       0.000
1.000       1.000       22.09       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   4.857     -1.3619E-04   60.80       24.28       62.70       31.35            UL-RL  4.8371E+04  -3.300       0.000
1.000       1.000       24.28       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   5.295     -1.3017E-04   64.60       26.48       66.50       33.25            UL-RL  4.8371E+04  -3.500       0.000
1.000       1.000       26.48       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   5.733     -1.2423E-04   68.40       28.66       70.30       35.15            UL-RL  4.8371E+04  -3.700       0.000
1.000       1.000       28.66       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   6.169     -1.1839E-04   72.20       30.85       74.10       37.05            UL-RL  4.8371E+04  -3.900       0.000
1.000       1.000       30.85       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   6.605     -1.1264E-04   76.00       33.02       77.90       38.95            UL-RL  4.8371E+04  -4.100       0.000
1.000       1.000       33.02       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   7.039     -1.0700E-04   79.80       35.20       81.70       40.85            UL-RL  4.8371E+04  -4.300       0.000
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1.000       1.000       35.20       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   8.426     -3.9439E-04   81.82       40.35       83.72       45.74          UL-RL  4.8371E+04  -4.500       1.778
1.000       1.000       42.13       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   9.131     -4.6189E-04   83.65       41.90       85.55       47.03          UL-RL  4.8371E+04  -4.700       3.755
1.000       1.000       45.66       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   9.835     -4.7840E-04   85.47       43.45       87.37       48.32          UL-RL  4.8371E+04  -4.900       5.732
1.000       1.000       49.18       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   10.54     -4.9505E-04   87.29       44.98       89.19       49.61          UL-RL  4.8371E+04  -5.100       7.708
1.000       1.000       52.69       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   11.24     -5.1186E-04   89.11       46.51       91.01       50.89          UL-RL  4.8371E+04  -5.300       9.685
1.000       1.000       56.20       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   11.54     -1.1336E-04   91.14       46.02       93.04       48.91          ACTIVE   0.000      -5.500       11.66
1.000       1.000       57.68       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   12.19     -1.1168E-04   93.16       47.32       95.06       50.25          ACTIVE   0.000      -5.700       13.64
1.000       1.000       60.96       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   12.85     -1.1019E-04   95.18       48.63       97.08       51.60          ACTIVE   0.000      -5.900       15.62
1.000       1.000       64.24       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   13.51     -1.0890E-04   97.21       49.94       99.11       52.95          ACTIVE   0.000      -6.100       17.59
1.000       1.000       67.53       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   14.16     -1.0782E-04   99.23       51.24       101.1       54.30          ACTIVE   0.000      -6.300       19.57
1.000       1.000       70.81       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   14.82     -1.0694E-04   101.3       52.55       103.2       55.64          ACTIVE   0.000      -6.500       21.55
1.000       1.000       74.10       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   15.48     -1.0628E-04   103.3       53.86       105.2       56.99          ACTIVE   0.000      -6.700       23.52
1.000       1.000       77.38       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   16.13     -1.0584E-04   105.3       55.16       107.2       58.34          ACTIVE   0.000      -6.900       25.50
1.000       1.000       80.66       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   16.79     -1.0561E-04   107.3       56.47       109.2       59.69          ACTIVE   0.000      -7.100       27.48
1.000       1.000       83.95       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   17.45     -1.0559E-04   109.3       57.78       111.2       61.03          ACTIVE   0.000      -7.300       29.45
1.000       1.000       87.23       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   18.10     -1.0578E-04   111.4       59.09       113.3       62.38          ACTIVE   0.000      -7.500       31.43
1.000       1.000       90.51       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   18.76     -1.0618E-04   113.4       60.39       115.3       63.73          ACTIVE   0.000      -7.700       33.41
1.000       1.000       93.80       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   19.42     -1.0678E-04   115.4       61.70       117.3       65.08          ACTIVE   0.000      -7.900       35.38
1.000       1.000       97.08       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   20.07     -1.0757E-04   117.4       63.01       119.3       66.42          ACTIVE   0.000      -8.100       37.36
1.000       1.000       100.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   20.73     -1.0855E-04   119.5       64.31       121.4       67.77          ACTIVE   0.000      -8.300       39.34
1.000       1.000       103.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   21.39     -1.0971E-04   121.5       65.62       123.4       69.12          ACTIVE   0.000      -8.500       41.31
1.000       1.000       106.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   22.04     -1.1104E-04   123.5       66.93       125.4       70.47          ACTIVE   0.000      -8.700       43.29
1.000       1.000       110.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   22.70     -1.1253E-04   125.5       68.23       127.4       71.81          ACTIVE   0.000      -8.900       45.27
1.000       1.000       113.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   23.36     -1.1416E-04   127.6       69.54       129.5       73.16          ACTIVE   0.000      -9.100       47.24
1.000       1.000       116.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   24.01     -1.1594E-04   129.6       70.85       131.5       74.51          ACTIVE   0.000      -9.300       49.22
1.000       1.000       120.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   24.67     -1.1786E-04   131.6       72.16       133.5       75.86          ACTIVE   0.000      -9.500       51.20
1.000       1.000       123.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   25.33     -1.1989E-04   133.6       73.46       135.5       77.20          ACTIVE   0.000      -9.700       53.17
1.000       1.000       126.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   25.98     -1.2204E-04   135.6       74.77       137.5       78.55          ACTIVE   0.000      -9.900       55.15
1.000       1.000       129.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   26.64     -1.2429E-04   137.7       76.08       139.6       79.90          ACTIVE   0.000      -10.10       57.13
1.000       1.000       133.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   27.30     -1.2663E-04   139.7       77.38       141.6       81.25          ACTIVE   0.000      -10.30       59.10
1.000       1.000       136.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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53 D	27.95	-1.2907E-04	141.7	78.69	143.6	82.59	ACTIVE	0.000	-10.50	61.08	
1.000	1.000	139.8	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
54 D	28.61	-1.3158E-04	143.7	80.00	145.6	83.94	ACTIVE	0.000	-10.70	63.06	
1.000	1.000	143.1	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
55 D	29.27	-1.3416E-04	145.8	81.31	147.7	85.29	ACTIVE	0.000	-10.90	65.03	
1.000	1.000	146.3	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
56 D	29.92	-1.3681E-04	147.8	82.61	149.7	86.64	ACTIVE	0.000	-11.10	67.01	
1.000	1.000	149.6	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
57 D	30.58	-1.3951E-04	149.8	83.92	151.7	87.98	ACTIVE	0.000	-11.30	68.99	
1.000	1.000	152.9	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
58 D	31.24	-1.4227E-04	151.8	85.23	153.7	89.33	ACTIVE	0.000	-11.50	70.96	
1.000	1.000	156.2	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
59 D	31.89	-1.4507E-04	153.9	86.53	155.8	90.68	ACTIVE	0.000	-11.70	72.94	
1.000	1.000	159.5	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
60 D	32.55	-1.4790E-04	155.9	87.84	157.8	92.03	ACTIVE	0.000	-11.90	74.92	
1.000	1.000	162.8	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
61 D	33.21	-1.5078E-04	157.9	89.15	159.8	93.37	ACTIVE	0.000	-12.10	76.89	
1.000	1.000	166.0	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
62 D	33.87	-1.5368E-04	159.9	90.45	161.8	94.72	ACTIVE	0.000	-12.30	78.87	
1.000	1.000	169.3	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
63 D	34.52	-1.5661E-04	162.0	91.76	163.9	96.07	ACTIVE	0.000	-12.50	80.85	
1.000	1.000	172.6	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
64 D	35.18	-1.5957E-04	164.0	93.07	165.9	97.42	ACTIVE	0.000	-12.70	82.82	
1.000	1.000	175.9	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
65 D	35.84	-1.6254E-04	166.0	94.38	167.9	98.76	ACTIVE	0.000	-12.90	84.80	
1.000	1.000	179.2	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
66 D	36.49	-1.6553E-04	168.0	95.69	169.9	100.1	UL-RL	3.2767E+05	-13.10	86.78	
1.000	1.000	182.5	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
67 D	37.15	-1.6854E-04	170.0	97.00	171.9	101.5	UL-RL	3.2767E+05	-13.30	88.75	
1.000	1.000	185.8	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
68 D	37.81	-1.7156E-04	172.1	98.32	174.0	102.8	UL-RL	3.2767E+05	-13.50	90.73	
1.000	1.000	189.0	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
69 D	38.47	-1.7459E-04	174.1	99.63	176.0	104.2	UL-RL	3.2767E+05	-13.70	92.71	
1.000	1.000	192.3	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
70 D	39.13	-1.7763E-04	176.1	100.9	178.0	105.5	UL-RL	3.2767E+05	-13.90	94.68	
1.000	1.000	195.6	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
71 D	39.78	-1.8068E-04	178.1	102.3	180.0	106.8	UL-RL	3.2767E+05	-14.10	96.66	
1.000	1.000	198.9	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
72 D	40.44	-1.8374E-04	180.2	103.6	182.1	108.2	UL-RL	3.2767E+05	-14.30	98.64	
1.000	1.000	202.2	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
73 D	41.10	-1.8680E-04	182.2	104.9	184.1	109.5	UL-RL	3.2767E+05	-14.50	100.6	
1.000	1.000	205.5	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
74 D	41.75	-1.8988E-04	184.2	106.2	186.1	110.9	UL-RL	3.2767E+05	-14.70	102.6	
1.000	1.000	208.8	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
75 D	42.41	-1.9296E-04	186.2	107.5	188.1	112.2	UL-RL	3.2767E+05	-14.90	104.6	
1.000	1.000	212.1	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
76 D	43.07	-1.9605E-04	188.3	108.8	190.2	113.6	UL-RL	3.2767E+05	-15.10	106.5	
1.000	1.000	215.3	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
77 D	43.72	-1.9915E-04	190.3	110.1	192.2	114.9	UL-RL	3.2767E+05	-15.30	108.5	
1.000	1.000	218.6	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
78 D	44.38	-2.0225E-04	192.3	111.4	194.2	116.3	UL-RL	3.2767E+05	-15.50	110.5	
1.000	1.000	221.9	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
79 D	45.04	-2.0536E-04	194.3	112.7	196.2	117.6	UL-RL	3.2767E+05	-15.70	112.5	
1.000	1.000	225.2	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
80 D	45.69	-2.0848E-04	196.3	114.0	198.2	119.0	UL-RL	3.2767E+05	-15.90	114.5	
1.000	1.000	228.5	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
81 D	46.35	-2.1161E-04	198.4	115.3	200.3	120.3	UL-RL	3.2767E+05	-16.10	116.4	
1.000	1.000	231.8	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
82 D	47.01	-2.1475E-04	200.4	116.6	202.3	121.7	UL-RL	3.2767E+05	-16.30	118.4	
1.000	1.000	235.0	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
83 D	47.66	-2.1790E-04	202.4	117.9	204.3	123.0	UL-RL	3.2767E+05	-16.50	120.4	
1.000	1.000	238.3	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	

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0.0000      0.0000      0.0000      0.0000      0.0000
  84 D   48.32     -2.2106E-04   204.4       119.2       206.3       124.4          UL-RL  3.2767E+05  -16.70       122.4
1.000       1.000       241.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  85 D   48.98     -2.2422E-04   206.5       120.5       208.4       125.7          UL-RL  3.2767E+05  -16.90       124.3
1.000       1.000       244.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  86 D   49.63     -2.2740E-04   208.5       121.8       210.4       127.1          UL-RL  3.2767E+05  -17.10       126.3
1.000       1.000       248.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  87 D   50.29     -2.3058E-04   210.5       123.2       212.4       128.4          UL-RL  3.2767E+05  -17.30       128.3
1.000       1.000       251.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  88 D   50.94     -2.3377E-04   212.5       124.5       214.4       129.8          UL-RL  3.2767E+05  -17.50       130.3
1.000       1.000       254.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  89 D   46.99     -2.1535E-05   214.9       102.7       216.8       108.4          UL-RL  2.4031E+05  -17.70       132.2
1.000       1.000       235.0       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  90 D   47.64     -2.1732E-05   217.5       104.0       219.4       109.7          UL-RL  2.4031E+05  -17.90       134.2
1.000       1.000       238.2       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  91 D   48.29     -2.1931E-05   220.1       105.3       222.0       111.0          UL-RL  2.4031E+05  -18.10       136.2
1.000       1.000       241.4       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  92 D   48.94     -2.2131E-05   222.7       106.5       224.6       112.3          UL-RL  2.4031E+05  -18.30       138.2
1.000       1.000       244.7       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  93 D   49.59     -2.2333E-05   225.3       107.8       227.2       113.6          UL-RL  2.4031E+05  -18.50       140.2
1.000       1.000       247.9       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  94 D   50.23     -2.2535E-05   228.0       109.0       229.9       114.9          UL-RL  2.4031E+05  -18.70       142.1
1.000       1.000       251.2       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  95 D   50.88     -2.2738E-05   230.6       110.3       232.5       116.2          UL-RL  2.4031E+05  -18.90       144.1
1.000       1.000       254.4       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  96 D   51.53     -2.2941E-05   233.2       111.6       235.1       117.6          UL-RL  2.4031E+05  -19.10       146.1
1.000       1.000       257.7       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  97 D   26.09     -2.3143E-05   235.8       112.8       237.7       118.9          UL-RL  2.4031E+05  -19.30       148.1
1.000       1.000       260.9       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:41:02                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   97
C U R R E N T   T I M E   I S      4.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------------
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-----------------------------------------------
   1     0.000         --          --          --          --          --         REMOVED     --      -0.1000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --         REMOVED     --      -0.3000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --         REMOVED     --      -0.5000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --         REMOVED     --      -0.7000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --         REMOVED     --      -0.9000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --         REMOVED     --       -1.100       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --         REMOVED     --       -1.300       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --         REMOVED     --       -1.500       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --         REMOVED     --       -1.700       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --         REMOVED     --       -1.900       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --         REMOVED     --       -2.100       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  12 D   2.815      1.6721E-04   3.610       14.08       43.70       21.85          UL-RL  4.6630E+04  -2.300       0.000
1.000       1.000       14.08       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   3.377      1.6091E-04   7.410       16.88       47.50       23.75          UL-RL  4.6630E+04  -2.500       0.000
1.000       1.000       16.88       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   3.840      1.5465E-04   11.21       19.20       51.30       25.65          UL-RL  4.6630E+04  -2.700       0.000
1.000       1.000       19.20       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   4.260      1.4844E-04   15.01       21.30       55.10       27.55          UL-RL  4.6630E+04  -2.900       0.000
1.000       1.000       21.30       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   4.655      1.4228E-04   18.81       23.28       58.90       29.45          UL-RL  4.6630E+04  -3.100       0.000
1.000       1.000       23.28       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   5.035      1.3619E-04   22.61       25.18       62.70       31.35          UL-RL  4.6630E+04  -3.300       0.000
1.000       1.000       25.18       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   5.405      1.3017E-04   26.41       27.02       66.50       33.25          UL-RL  4.6630E+04  -3.500       0.000
1.000       1.000       27.02       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   5.767      1.2423E-04   30.21       28.84       70.30       35.15          UL-RL  4.6630E+04  -3.700       0.000
1.000       1.000       28.84       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   6.124      1.1839E-04   34.01       30.62       74.10       37.05          UL-RL  4.6630E+04  -3.900       0.000
1.000       1.000       30.62       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   6.478      1.1264E-04   37.81       32.39       77.90       38.95          UL-RL  4.6630E+04  -4.100       0.000
1.000       1.000       32.39       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   6.828      1.0700E-04   41.61       34.14       81.70       40.85          UL-RL  4.6630E+04  -4.300       0.000
1.000       1.000       34.14       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   8.131      3.9439E-04   45.41       40.65       85.50       47.52          UL-RL  4.6630E+04  -4.500       0.000
1.000       1.000       40.65       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   8.750      4.6189E-04   48.85       43.39       88.94       50.42          UL-RL  4.6630E+04  -4.700       0.3592
1.000       1.000       43.75       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   9.362      4.7840E-04   50.63       44.43       90.72       51.67          UL-RL  4.6630E+04  -4.900       2.382
1.000       1.000       46.81       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  26 D   9.975      4.9505E-04   52.40       45.47       92.49       52.91          UL-RL  4.6630E+04  -5.100       4.406
1.000       1.000       49.87       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   10.59      5.1186E-04   54.18       46.51       94.27       54.15          UL-RL  4.6630E+04  -5.300       6.429
1.000       1.000       52.94       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   12.91      1.1336E-04   56.16       56.07       96.25       56.07           V-C  1.0198E+05  -5.500       8.452
1.000       1.000       64.53       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   13.48      1.1168E-04   58.13       56.92       98.22       56.92           V-C  1.0198E+05  -5.700       10.48
1.000       1.000       67.39       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   14.06      1.1019E-04   60.11       57.78       100.2       57.78           V-C  1.0198E+05  -5.900       12.50
1.000       1.000       70.28       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   14.64      1.0890E-04   62.09       58.66       102.2       58.66           V-C  1.0198E+05  -6.100       14.52
1.000       1.000       73.18       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   15.22      1.0782E-04   64.06       59.56       104.2       59.56           V-C  1.0198E+05  -6.300       16.55
1.000       1.000       76.11       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   15.81      1.0694E-04   66.04       60.48       106.1       60.48           V-C  1.0198E+05  -6.500       18.57
1.000       1.000       79.05       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   16.40      1.0628E-04   68.02       61.43       108.1       61.43           V-C  1.0198E+05  -6.700       20.59
1.000       1.000       82.02       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   17.00      1.0584E-04   69.99       62.39       110.1       62.39           V-C  1.0198E+05  -6.900       22.62
1.000       1.000       85.01       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   17.60      1.0561E-04   71.97       63.38       112.1       63.38           V-C  1.0198E+05  -7.100       24.64
1.000       1.000       88.02       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   18.21      1.0559E-04   73.95       64.39       114.0       64.39           V-C  1.0198E+05  -7.300       26.66
1.000       1.000       91.05       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   18.82      1.0578E-04   75.93       65.42       116.0       65.42           V-C  1.0198E+05  -7.500       28.68
1.000       1.000       94.10       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   19.44      1.0618E-04   77.90       66.47       118.0       66.47           V-C  1.0198E+05  -7.700       30.71
1.000       1.000       97.18       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   19.98      1.0678E-04   79.88       67.17       120.0       67.73          UL-RL  3.0593E+05  -7.900       32.73
1.000       1.000       99.90       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   20.52      1.0757E-04   81.86       67.84       121.9       69.03          UL-RL  3.0593E+05  -8.100       34.75
1.000       1.000       102.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   21.07      1.0855E-04   83.83       68.56       123.9       70.33          UL-RL  3.0593E+05  -8.300       36.78
1.000       1.000       105.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   21.63      1.0971E-04   85.81       69.34       125.9       71.63          UL-RL  3.0593E+05  -8.500       38.80
1.000       1.000       108.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   22.20      1.1104E-04   87.79       70.17       127.9       72.93          UL-RL  3.0593E+05  -8.700       40.82
1.000       1.000       111.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   22.78      1.1253E-04   89.76       71.04       129.9       74.23          UL-RL  3.0593E+05  -8.900       42.85
1.000       1.000       113.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   23.37      1.1416E-04   91.74       71.97       131.8       75.53          UL-RL  3.0593E+05  -9.100       44.87
1.000       1.000       116.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   23.97      1.1594E-04   93.72       72.93       133.8       76.83          UL-RL  3.0593E+05  -9.300       46.89
1.000       1.000       119.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   24.57      1.1786E-04   95.69       73.94       135.8       78.14          UL-RL  3.0593E+05  -9.500       48.92
1.000       1.000       122.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   25.18      1.1989E-04   97.67       74.98       137.8       79.44          UL-RL  3.0593E+05  -9.700       50.94
1.000       1.000       125.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   25.80      1.2204E-04   99.65       76.06       139.7       80.74          UL-RL  3.0593E+05  -9.900       52.96
1.000       1.000       129.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   26.43      1.2429E-04   101.6       77.16       141.7       82.04          UL-RL  3.0593E+05  -10.10       54.99
1.000       1.000       132.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   27.06      1.2663E-04   103.6       78.30       143.7       83.34          UL-RL  3.0593E+05  -10.30       57.01
1.000       1.000       135.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  53 D   27.70      1.2907E-04   105.6       79.46       145.7       84.64          UL-RL  3.0593E+05  -10.50       59.03
1.000       1.000       138.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   28.34      1.3158E-04   107.6       80.65       147.6       85.94          UL-RL  3.0593E+05  -10.70       61.06
1.000       1.000       141.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   28.99      1.3416E-04   109.5       81.86       149.6       87.24          UL-RL  3.0593E+05  -10.90       63.08
1.000       1.000       144.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   29.64      1.3681E-04   111.5       83.08       151.6       88.54          UL-RL  3.0593E+05  -11.10       65.10
1.000       1.000       148.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                  0.0000
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0.0000     0.0000     0.0000     0.0000     0.0000
  57 D   30.29      1.3951E-04   113.5      84.33      153.6      89.84          UL-RL  3.0593E+05  -11.30       67.13
1.000      1.000      151.5      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  58 D   30.95      1.4227E-04   115.5      85.59      155.5      91.14          UL-RL  3.0593E+05  -11.50       69.15
1.000      1.000      154.7      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  59 D   31.61      1.4507E-04   117.4      86.86      157.5      92.45          UL-RL  3.0593E+05  -11.70       71.17
1.000      1.000      158.0      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  60 D   32.27      1.4790E-04   119.4      88.14      159.5      93.75          UL-RL  3.0593E+05  -11.90       73.20
1.000      1.000      161.3      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  61 D   32.93      1.5078E-04   121.4      89.44      161.5      95.05          UL-RL  3.0593E+05  -12.10       75.22
1.000      1.000      164.7      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  62 D   33.60      1.5368E-04   123.4      90.74      163.5      96.35          UL-RL  3.0593E+05  -12.30       77.24
1.000      1.000      168.0      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  63 D   34.26      1.5661E-04   125.3      92.05      165.4      97.65          UL-RL  3.0593E+05  -12.50       79.27
1.000      1.000      171.3      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  64 D   34.93      1.5957E-04   127.3      93.37      167.4      98.95          UL-RL  3.0593E+05  -12.70       81.29
1.000      1.000      174.7      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  65 D   35.60      1.6254E-04   129.3      94.70      169.4      100.3          UL-RL  3.0593E+05  -12.90       83.31
1.000      1.000      178.0      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  66 D   36.27      1.6553E-04   131.3      96.02      171.4      101.6          UL-RL  3.0593E+05  -13.10       85.34
1.000      1.000      181.4      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  67 D   36.94      1.6854E-04   133.3      97.36      173.3      102.9          UL-RL  3.0593E+05  -13.30       87.36
1.000      1.000      184.7      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  68 D   37.62      1.7156E-04   135.2      98.70      175.3      104.2          UL-RL  3.0593E+05  -13.50       89.38
1.000      1.000      188.1      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  69 D   38.29      1.7459E-04   137.2      100.0      177.3      105.5          UL-RL  3.0593E+05  -13.70       91.41
1.000      1.000      191.4      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  70 D   38.96      1.7763E-04   139.2      101.4      179.3      106.8          UL-RL  3.0593E+05  -13.90       93.43
1.000      1.000      194.8      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  71 D   39.64      1.8068E-04   141.2      102.7      181.2      108.1          UL-RL  3.0593E+05  -14.10       95.45
1.000      1.000      198.2      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  72 D   40.31      1.8374E-04   143.1      104.1      183.2      109.4          UL-RL  3.0593E+05  -14.30       97.48
1.000      1.000      201.5      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  73 D   40.98      1.8680E-04   145.1      105.4      185.2      110.7          UL-RL  3.0593E+05  -14.50       99.50
1.000      1.000      204.9      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  74 D   41.66      1.8988E-04   147.1      106.8      187.2      112.0          UL-RL  3.0593E+05  -14.70       101.5
1.000      1.000      208.3      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  75 D   42.34      1.9296E-04   149.1      108.1      189.2      113.3          UL-RL  3.0593E+05  -14.90       103.5
1.000      1.000      211.7      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  76 D   43.01      1.9605E-04   151.0      109.5      191.1      114.6          UL-RL  3.0593E+05  -15.10       105.6
1.000      1.000      215.1      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  77 D   43.69      1.9915E-04   153.0      110.8      193.1      115.9          UL-RL  3.0593E+05  -15.30       107.6
1.000      1.000      218.4      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  78 D   44.37      2.0225E-04   155.0      112.2      195.1      117.2          UL-RL  3.0593E+05  -15.50       109.6
1.000      1.000      221.8      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  79 D   45.04      2.0536E-04   157.0      113.6      197.1      118.5          UL-RL  3.0593E+05  -15.70       111.6
1.000      1.000      225.2      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  80 D   45.72      2.0848E-04   158.9      114.9      199.0      119.8          UL-RL  3.0593E+05  -15.90       113.7
1.000      1.000      228.6      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  81 D   46.40      2.1161E-04   160.9      116.3      201.0      121.1          UL-RL  3.0593E+05  -16.10       115.7
1.000      1.000      232.0      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  82 D   47.08      2.1475E-04   162.9      117.7      203.0      122.4          UL-RL  3.0593E+05  -16.30       117.7
1.000      1.000      235.4      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  83 D   47.76      2.1790E-04   164.9      119.1      205.0      123.7          UL-RL  3.0593E+05  -16.50       119.7
1.000      1.000      238.8      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  84 D   48.44      2.2106E-04   166.9      120.4      206.9      125.0          UL-RL  3.0593E+05  -16.70       121.8
1.000      1.000      242.2      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  85 D   49.12      2.2422E-04   168.8      121.8      208.9      126.3          UL-RL  3.0593E+05  -16.90       123.8
1.000      1.000      245.6      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  86 D   49.80      2.2740E-04   170.8      123.2      210.9      127.6          UL-RL  3.0593E+05  -17.10       125.8
1.000      1.000      249.0      0.000      0.000      8.000      8.000     Salt_167_22090_L_0                 0.0000
0.0000     0.0000     0.0000     0.0000     0.0000
  87 D   50.48      2.3058E-04   172.8      124.6      212.9      128.9          UL-RL  3.0593E+05  -17.30       127.8
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1.000       1.000       252.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  88 D   51.16      2.3377E-04   174.8       126.0       214.9       130.2          UL-RL  3.0593E+05  -17.50       129.8
1.000       1.000       255.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  89 D   46.78      2.1535E-05   177.0       102.1       217.1       108.6          UL-RL  1.9006E+05  -17.70       131.9
1.000       1.000       233.9       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  90 D   47.46      2.1732E-05   179.6       103.4       219.7       109.9          UL-RL  1.9006E+05  -17.90       133.9
1.000       1.000       237.3       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  91 D   48.13      2.1931E-05   182.2       104.7       222.3       111.2          UL-RL  1.9006E+05  -18.10       135.9
1.000       1.000       240.7       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  92 D   48.80      2.2131E-05   184.8       106.1       224.9       112.5          UL-RL  1.9006E+05  -18.30       137.9
1.000       1.000       244.0       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  93 D   49.48      2.2333E-05   187.3       107.4       227.4       113.7          UL-RL  1.9006E+05  -18.50       140.0
1.000       1.000       247.4       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  94 D   50.15      2.2535E-05   189.9       108.8       230.0       115.0          UL-RL  1.9006E+05  -18.70       142.0
1.000       1.000       250.7       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  95 D   50.82      2.2738E-05   192.5       110.1       232.6       116.3          UL-RL  1.9006E+05  -18.90       144.0
1.000       1.000       254.1       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  96 D   51.50      2.2941E-05   195.1       111.4       235.2       117.6          UL-RL  1.9006E+05  -19.10       146.0
1.000       1.000       257.5       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  97 D   26.08      2.3143E-05   197.7       112.8       237.7       118.9          UL-RL  1.9006E+05  -19.30       148.1
1.000       1.000       260.8       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
```

New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   96
C U R R E N T   T I M E   I S   4.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

EL	TA	TB	MA	MB
1	1.37902E-10	-1.37902E-10	1.37987E-11	-7.36123E-12
2	-9.91351E-11	9.91351E-11	1.12657E-11	-6.44392E-11
3	-6.05387E-11	6.05387E-11	4.84875E-11	-1.04649E-10
4	1.59726E-11	-1.59726E-11	9.99699E-11	-9.76927E-11
5	1.27101E-10	-1.27101E-10	1.11896E-10	9.60632E-12
6	6.93087E-03	-6.93087E-03	-9.02722E-12	1.38617E-03
7	0.45566	-0.45566	-1.38617E-03	9.25184E-02
8	1.3461	-1.3461	-9.25184E-02	0.36174
9	2.6781	-2.6781	-0.36174	0.89736
10	4.4517	-4.4517	-0.89736	1.7877
11	6.6668	-6.6668	-1.7877	3.1211
12	6.5077	-6.5077	-3.1211	4.4226
13	6.2282	-6.2282	-4.4226	5.6683
14	5.9258	-5.9258	-5.6683	6.8534
15	5.6438	-5.6438	-6.8534	7.9822
16	5.4062	-5.4062	-7.9822	9.0634
17	5.2277	-5.2277	-9.0634	10.109
18	5.1181	-5.1181	-10.109	11.133
19	5.0836	-5.0836	-11.133	12.149
20	5.1285	-5.1285	-12.149	13.175
21	5.2556	-5.2556	-13.175	14.226
22	5.4663	-5.4663	-14.226	15.319
23	5.7616	-5.7616	-15.319	16.472
24	6.1429	-6.1429	-16.472	17.700
25	6.6163	-6.6163	-17.700	19.024
26	7.1795	-7.1795	-19.024	20.459
27	7.8298	-7.8298	-20.459	22.025
28	6.4599	-6.4599	-22.025	23.317
29	5.1735	-5.1735	-23.317	24.352
30	3.9669	-3.9669	-24.352	25.145
31	2.8361	-2.8361	-25.145	25.713
32	1.7771	-1.7771	-25.713	26.068
33	0.78564	-0.78564	-26.068	26.225
34	-0.14256	0.14256	-26.225	26.197
35	-1.0118	1.0118	-26.197	25.994
36	-1.8264	1.8264	-25.994	25.629
37	-2.5906	2.5906	-25.629	25.111
38	-3.3086	3.3086	-25.111	24.449
39	-4.0021	4.0021	-24.449	23.649
40	-4.5655	4.5655	-23.649	22.736
41	-5.0103	5.0103	-22.736	21.734
42	-5.3479	5.3479	-21.734	20.664
43	-5.5889	5.5889	-20.664	19.546
44	-5.7437	5.7437	-19.546	18.398
45	-5.8218	5.8218	-18.398	17.233
46	-5.8324	5.8324	-17.233	16.067
47	-5.7841	5.7841	-16.067	14.910
48	-5.6847	5.6847	-14.910	13.773
49	-5.5417	5.5417	-13.773	12.665
50	-5.3619	5.3619	-12.665	11.592
51	-5.1516	5.1516	-11.592	10.562
52	-4.9164	4.9164	-10.562	9.5786
53	-4.6616	4.6616	-9.5786	8.6463
54	-4.3920	4.3920	-8.6463	7.7679
55	-4.1117	4.1117	-7.7679	6.9456
56	-3.8247	3.8247	-6.9456	6.1806
57	-3.5344	3.5344	-6.1806	5.4738
58	-3.2437	3.2437	-5.4738	4.8250
59	-2.9554	2.9554	-4.8250	4.2339
60	-2.6719	2.6719	-4.2339	3.6996
61	-2.3951	2.3951	-3.6996	3.2205
62	-2.1270	2.1270	-3.2205	2.7951
63	-1.8691	1.8691	-2.7951	2.4213
64	-1.6227	1.6227	-2.4213	2.0968
65	-1.3890	1.3890	-2.0968	1.8190
66	-1.1691	1.1691	-1.8190	1.5852
67	-0.96370	0.96370	-1.5852	1.3924
68	-0.77367	0.77367	-1.3924	1.2377
69	-0.59964	0.59964	-1.2377	1.1178
70	-0.44219	0.44219	-1.1178	1.0293

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   71-0.30186     0.30186     -1.0293     0.96895
   72-0.17911     0.17911    -0.96895     0.93313
   73-7.44043E-02 7.44043E-02-0.93313     0.91825
   74 1.18258E-02-1.18258E-02-0.91825     0.92061
   75 7.91523E-02-7.91523E-02-0.92061     0.93644
   76 0.12715    -0.12715    -0.93644     0.96187
   77 0.15537    -0.15537    -0.96187     0.99294
   78 0.16336    -0.16336    -0.99294      1.0256
   79 0.15066    -0.15066     -1.0256      1.0557
   80 0.11678    -0.11678     -1.0557      1.0791
   81 6.12231E-02-6.12231E-02 -1.0791     1.0914
   82-1.65319E-02 1.65319E-02 -1.0914     1.0880
   83-0.11700     0.11700     -1.0880     1.0646
   84-0.24071     0.24071     -1.0646     1.0165
   85-0.38816     0.38816     -1.0165     0.93887
   86-0.55983     0.55983    -0.93887     0.82690
   87-0.75618     0.75618    -0.82690     0.67567
   88-0.97759     0.97759    -0.67567     0.48014
   89-0.76938     0.76938    -0.48014     0.32626
   90-0.58567     0.58567    -0.32626     0.20913
   91-0.42668     0.42668    -0.20913     0.12379
   92-0.29252     0.29252    -0.12379     6.52888E-02
   93-0.18325     0.18325    -6.52888E-02 2.86381E-02
   94-9.88940E-02 9.88940E-02-2.86381E-02 8.85926E-03
   95-3.94362E-02 3.94362E-02-8.85926E-03 9.72016E-04
   96-4.86008E-03 4.86008E-03-9.72016E-04-6.23450E-15

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1686E+06 RIMNOR=0.2932E+05
           RENORM= 744.2     REMNOR=0.7396E-20 RATIO =0.6644E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 51.53     RMMAX = 26.23
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1686E+06 RDR   =0.2932E+05
           RATIOT=0.6644E-01 RATIOR= 0.000
           MAX UN= 6.478     IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           MIN UN=-.3050E-09 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1686E+06 RIMNOR=0.2932E+05
           RENORM= 89.65     REMNOR=0.8861E-19 RATIO =0.2306E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 51.53     RMMAX = 26.23
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1686E+06 RDR   =0.2932E+05
           RATIOT=0.2306E-01 RATIOR= 0.000
           MAX UN= 2.440     IEQ=    55 NODE     28 DOF   1  Y-DISPL.F
           MIN UN=-.1365E-08 IEQ=    45 NODE     23 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1686E+06 RIMNOR=0.2932E+05
           RENORM= 5.212     REMNOR=0.2430E-18 RATIO =0.5560E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 51.53     RMMAX = 26.23
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1686E+06 RDR   =0.2932E+05
           RATIOT=0.5560E-02 RATIOR= 0.000
           MAX UN= 1.179     IEQ=    39 NODE     20 DOF   1  Y-DISPL.F
           MIN UN=-.1619E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1686E+06 RIMNOR=0.2932E+05
           RENORM=0.5313E-01 REMNOR=0.8824E-19 RATIO =0.5614E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 51.53     RMMAX = 26.23
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1686E+06 RDR   =0.2932E+05
           RATIOT=0.5614E-03 RATIOR= 0.000
           MAX UN=0.2055     IEQ=    55 NODE     28 DOF   1  Y-DISPL.F
           MIN UN=-.1665E-08 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1686E+06 RIMNOR=0.2932E+05
           RENORM=0.7430E-05 REMNOR=0.7707E-19 RATIO =0.6639E-05 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 51.53     RMMAX = 26.23
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1686E+06 RDR   =0.2932E+05
           RATIOT=0.6639E-05 RATIOR= 0.000
           MAX UN=0.2726E-02 IEQ=   137 NODE     69 DOF   1  Y-DISPL.F
           MIN UN=-.2051E-08 IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :27 January 2022   16:41:02                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    5     ( AT TIME   5.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
    1   1.2753384E-03  -1.4825125E-04
    2   1.2456881E-03  -1.4825125E-04
    3   1.2160379E-03  -1.4825125E-04
    4   1.1863876E-03  -1.4825125E-04
    5   1.1567374E-03  -1.4825125E-04
    6   1.1270871E-03  -1.4825125E-04
    7   1.0974369E-03  -1.4825125E-04
    8   1.0677866E-03  -1.4825125E-04
    9   1.0381365E-03  -1.4824995E-04
   10   1.0084870E-03  -1.4824324E-04
   11   9.7883999E-04  -1.4822409E-04
   12   9.4919887E-04  -1.4818249E-04
   13   9.1956936E-04  -1.4810547E-04
   14   8.8996010E-04  -1.4797714E-04
   15   8.6038319E-04  -1.4777860E-04
   16   8.3085479E-04  -1.4748804E-04
   17   8.0139576E-04  -1.4708067E-04
   18   7.7203216E-04  -1.4652876E-04
   19   7.4279579E-04  -1.4580159E-04
   20   7.1372530E-04  -1.4486554E-04
   21   6.8486609E-04  -1.4368399E-04
   22   6.5627086E-04  -1.4221737E-04
   23   9.2090579E-04  -1.4044485E-04
   24   9.6591576E-04  -1.3837006E-04
   25   9.6023881E-04  -1.3600082E-04
   26   9.5506460E-04  -1.3334394E-04
   27   9.5045007E-04  -1.3040444E-04
   28   5.3097945E-04  -1.2718557E-04
   29   5.0881441E-04  -1.2370641E-04
   30   4.8736827E-04  -1.2000253E-04
   31   4.6668259E-04  -1.1610824E-04
   32   4.4679202E-04  -1.1205563E-04
   33   4.2772528E-04  -1.0787477E-04
   34   4.0950519E-04  -1.0359371E-04
   35   3.9214913E-04  -9.9238569E-05
   36   3.7566947E-04  -9.4833629E-05
   37   3.6007396E-04  -9.0401423E-05
   38   3.4536580E-04  -8.5962736E-05
   39   3.3154441E-04  -8.1536830E-05
   40   3.1860542E-04  -7.7141431E-05
   41   3.0654110E-04  -7.2792847E-05
   42   2.9534061E-04  -6.8506065E-05
   43   2.8499009E-04  -6.4294758E-05
   44   2.7547322E-04  -6.0171492E-05
   45   2.6677125E-04  -5.6147724E-05
   46   2.5886319E-04  -5.2233901E-05
   47   2.5172614E-04  -4.8439557E-05
   48   2.4533525E-04  -4.4773313E-05
   49   2.3966414E-04  -4.1243062E-05
   50   2.3468487E-04  -3.7855967E-05
   51   2.3036826E-04  -3.4618617E-05
   52   2.2668359E-04  -3.1536160E-05
   53   2.2359961E-04  -2.8612285E-05
   54   2.2108435E-04  -2.5849067E-05
   55   2.1910561E-04  -2.3247215E-05
   56   2.1763113E-04  -2.0806220E-05
   57   2.1662889E-04  -1.8524502E-05
   58   2.1606726E-04  -1.6399545E-05
   59   2.1591523E-04  -1.4428017E-05
   60   2.1614248E-04  -1.2605887E-05
   61   2.1671960E-04  -1.0928535E-05
   62   2.1761814E-04  -9.3908421E-06
   63   2.1881071E-04  -7.9872874E-06
   64   2.2027106E-04  -6.7120249E-06
   65   2.2197414E-04  -5.5589592E-06
   66   2.2389613E-04  -4.5218119E-06
   67   2.2601449E-04  -3.5941821E-06
   68   2.2830797E-04  -2.7695999E-06
   69   2.3075660E-04  -2.0415745E-06
   70   2.3334172E-04  -1.4036476E-06
   71   2.3604595E-04  -8.4941403E-07
   72   2.3885318E-04  -3.7252843E-07
   73   2.4174858E-04   3.3262284E-08
   74   2.4471854E-04   3.7409084E-07
```

75	2.4775067E-04	6.5594537E-07
76	2.5083376E-04	8.8464881E-07
77	2.5395774E-04	1.0658414E-06
78	2.5711367E-04	1.2049663E-06
79	2.6029366E-04	1.3072574E-06
80	2.6349084E-04	1.3777296E-06
81	2.6669933E-04	1.4211713E-06
82	2.6991419E-04	1.4421381E-06
83	2.7313136E-04	1.4449484E-06
84	2.7634761E-04	1.4336800E-06
85	2.7956053E-04	1.4121680E-06
86	2.8276842E-04	1.3840032E-06
87	2.8597029E-04	1.3525313E-06
88	2.8916580E-04	1.3208533E-06
89	7.6930283E-05	1.2918236E-06
90	7.7112934E-05	1.2670145E-06
91	7.7291071E-05	1.2467102E-06
92	7.7465604E-05	1.2309606E-06
93	7.7637429E-05	1.2195810E-06
94	7.7807382E-05	1.2121549E-06
95	7.7976193E-05	1.2080353E-06
96	7.8144440E-05	1.2063466E-06
97	7.8312502E-05	1.2059864E-06

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:41:02                                               |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                        :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   97
C U R R E N T   T I M E   I S      5.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -1.2753E-03   0.000       0.000       1.900      0.9500          ACTIVE   0.000     -0.1000       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D   0.000     -1.2457E-03   3.800       0.000       5.700       2.850          ACTIVE   0.000     -0.3000       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   0.000     -1.2160E-03   7.600       0.000       9.500       4.750          ACTIVE   0.000     -0.5000       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   0.000     -1.1864E-03   11.40       0.000       13.30       6.650          ACTIVE   0.000     -0.7000       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   0.000     -1.1567E-03   15.20       0.000       17.10       8.550          ACTIVE   0.000     -0.9000       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   0.000     -1.1271E-03   19.00       0.000       20.90       10.45          ACTIVE   0.000      -1.100       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   0.000     -1.0974E-03   22.80       0.000       24.70       12.35          ACTIVE   0.000      -1.300       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D  0.3186     -1.0678E-03   26.60       1.593       28.50       14.25          ACTIVE   0.000      -1.500       0.000
1.000       1.000       1.593       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D  0.6788     -1.0381E-03   30.40       3.394       32.30       16.15          ACTIVE   0.000      -1.700       0.000
1.000       1.000       3.394       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   1.039     -1.0085E-03   34.20       5.195       36.10       18.05          ACTIVE   0.000      -1.900       0.000
1.000       1.000       5.195       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   1.399     -9.7884E-04   38.00       6.996       39.90       19.95          ACTIVE   0.000      -2.100       0.000
1.000       1.000       6.996       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   1.760     -9.4920E-04   41.80       8.798       43.70       21.85          ACTIVE   0.000      -2.300       0.000
1.000       1.000       8.798       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   2.120     -9.1957E-04   45.60       10.60       47.50       23.75          ACTIVE   0.000      -2.500       0.000
1.000       1.000       10.60       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   2.480     -8.8996E-04   49.40       12.40       51.30       25.65          ACTIVE   0.000      -2.700       0.000
1.000       1.000       12.40       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   2.840     -8.6038E-04   53.20       14.20       55.10       27.55          ACTIVE   0.000      -2.900       0.000
1.000       1.000       14.20       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   3.200     -8.3085E-04   57.00       16.00       58.90       29.45          ACTIVE   0.000      -3.100       0.000
1.000       1.000       16.00       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   3.561     -8.0140E-04   60.80       17.80       62.70       31.35          ACTIVE   0.000      -3.300       0.000
1.000       1.000       17.80       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   3.921     -7.7203E-04   64.60       19.60       66.50       33.25          ACTIVE   0.000      -3.500       0.000
1.000       1.000       19.60       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   4.281     -7.4280E-04   68.40       21.41       70.30       35.15          ACTIVE   0.000      -3.700       0.000
1.000       1.000       21.41       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   4.641     -7.1373E-04   72.20       23.21       74.10       37.05          ACTIVE   0.000      -3.900       0.000
1.000       1.000       23.21       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   5.002     -6.8487E-04   76.00       25.01       77.90       38.95          ACTIVE   0.000      -4.100       0.000
1.000       1.000       25.01       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   5.362     -6.5627E-04   79.80       26.81       81.70       40.85          ACTIVE   0.000      -4.300       0.000
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1.000       1.000       26.81       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   5.909     -9.2091E-04   81.82       27.77       83.72       45.74         ACTIVE   0.000      -4.500       1.778
1.000       1.000       29.55       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   6.687     -9.6592E-04   83.65       29.68       85.55       47.03          UL-RL  2.4246E+04  -4.700       3.755
1.000       1.000       33.44       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   7.499     -9.6024E-04   85.47       31.76       87.37       48.32          UL-RL  2.4246E+04  -4.900       5.732
1.000       1.000       37.49       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   8.307     -9.5506E-04   87.29       33.83       89.19       49.61          UL-RL  2.4246E+04  -5.100       7.708
1.000       1.000       41.54       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   9.112     -9.5045E-04   89.11       35.88       91.01       50.89          UL-RL  2.4246E+04  -5.300       9.685
1.000       1.000       45.56       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   11.54     -5.3098E-04   91.14       46.02       93.04       48.91         ACTIVE   0.000      -5.500       11.66
1.000       1.000       57.68       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   12.19     -5.0881E-04   93.16       47.32       95.06       50.25         ACTIVE   0.000      -5.700       13.64
1.000       1.000       60.96       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   12.85     -4.8737E-04   95.18       48.63       97.08       51.60         ACTIVE   0.000      -5.900       15.62
1.000       1.000       64.24       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   13.51     -4.6668E-04   97.21       49.94       99.11       52.95         ACTIVE   0.000      -6.100       17.59
1.000       1.000       67.53       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   14.16     -4.4679E-04   99.23       51.24       101.1       54.30         ACTIVE   0.000      -6.300       19.57
1.000       1.000       70.81       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   14.82     -4.2773E-04   101.3       52.55       103.2       55.64         ACTIVE   0.000      -6.500       21.55
1.000       1.000       74.10       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   15.48     -4.0951E-04   103.3       53.86       105.2       56.99         ACTIVE   0.000      -6.700       23.52
1.000       1.000       77.38       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   16.13     -3.9215E-04   105.3       55.16       107.2       58.34         ACTIVE   0.000      -6.900       25.50
1.000       1.000       80.66       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   16.79     -3.7567E-04   107.3       56.47       109.2       59.69         ACTIVE   0.000      -7.100       27.48
1.000       1.000       83.95       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   17.45     -3.6007E-04   109.3       57.78       111.2       61.03         ACTIVE   0.000      -7.300       29.45
1.000       1.000       87.23       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   18.10     -3.4537E-04   111.4       59.09       113.3       62.38         ACTIVE   0.000      -7.500       31.43
1.000       1.000       90.51       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   18.76     -3.3154E-04   113.4       60.39       115.3       63.73         ACTIVE   0.000      -7.700       33.41
1.000       1.000       93.80       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   19.42     -3.1861E-04   115.4       61.70       117.3       65.08         ACTIVE   0.000      -7.900       35.38
1.000       1.000       97.08       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   20.07     -3.0654E-04   117.4       63.01       119.3       66.42         ACTIVE   0.000      -8.100       37.36
1.000       1.000       100.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   20.73     -2.9534E-04   119.5       64.31       121.4       67.77         ACTIVE   0.000      -8.300       39.34
1.000       1.000       103.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   21.39     -2.8499E-04   121.5       65.62       123.4       69.12         ACTIVE   0.000      -8.500       41.31
1.000       1.000       106.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   22.04     -2.7547E-04   123.5       66.93       125.4       70.47         ACTIVE   0.000      -8.700       43.29
1.000       1.000       110.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   22.70     -2.6677E-04   125.5       68.23       127.4       71.81         ACTIVE   0.000      -8.900       45.27
1.000       1.000       113.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   23.36     -2.5886E-04   127.6       69.54       129.5       73.16         ACTIVE   0.000      -9.100       47.24
1.000       1.000       116.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   24.01     -2.5173E-04   129.6       70.85       131.5       74.51         ACTIVE   0.000      -9.300       49.22
1.000       1.000       120.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   24.67     -2.4534E-04   131.6       72.16       133.5       75.86         ACTIVE   0.000      -9.500       51.20
1.000       1.000       123.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   25.33     -2.3966E-04   133.6       73.46       135.5       77.20         ACTIVE   0.000      -9.700       53.17
1.000       1.000       126.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   25.98     -2.3468E-04   135.6       74.77       137.5       78.55         ACTIVE   0.000      -9.900       55.15
1.000       1.000       129.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   26.64     -2.3037E-04   137.7       76.08       139.6       79.90         ACTIVE   0.000      -10.10       57.13
1.000       1.000       133.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   27.30     -2.2668E-04   139.7       77.38       141.6       81.25         ACTIVE   0.000      -10.30       59.10
1.000       1.000       136.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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53 D	27.95	-2.2360E-04	141.7	78.69	143.6	82.59	ACTIVE	0.000	-10.50	61.08	
1.000	1.000	139.8	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
54 D	28.61	-2.2108E-04	143.7	80.00	145.6	83.94	ACTIVE	0.000	-10.70	63.06	
1.000	1.000	143.1	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
55 D	29.27	-2.1911E-04	145.8	81.31	147.7	85.29	ACTIVE	0.000	-10.90	65.03	
1.000	1.000	146.3	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
56 D	29.92	-2.1763E-04	147.8	82.61	149.7	86.64	ACTIVE	0.000	-11.10	67.01	
1.000	1.000	149.6	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
57 D	30.58	-2.1663E-04	149.8	83.92	151.7	87.98	ACTIVE	0.000	-11.30	68.99	
1.000	1.000	152.9	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
58 D	31.24	-2.1607E-04	151.8	85.23	153.7	89.33	ACTIVE	0.000	-11.50	70.96	
1.000	1.000	156.2	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
59 D	31.89	-2.1592E-04	153.9	86.53	155.8	90.68	ACTIVE	0.000	-11.70	72.94	
1.000	1.000	159.5	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
60 D	32.55	-2.1614E-04	155.9	87.84	157.8	92.03	ACTIVE	0.000	-11.90	74.92	
1.000	1.000	162.8	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
61 D	33.21	-2.1672E-04	157.9	89.15	159.8	93.37	ACTIVE	0.000	-12.10	76.89	
1.000	1.000	166.0	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
62 D	33.87	-2.1762E-04	159.9	90.45	161.8	94.72	ACTIVE	0.000	-12.30	78.87	
1.000	1.000	169.3	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
63 D	34.52	-2.1881E-04	162.0	91.76	163.9	96.07	ACTIVE	0.000	-12.50	80.85	
1.000	1.000	172.6	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
64 D	35.18	-2.2027E-04	164.0	93.07	165.9	97.42	ACTIVE	0.000	-12.70	82.82	
1.000	1.000	175.9	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
65 D	35.84	-2.2197E-04	166.0	94.38	167.9	98.76	ACTIVE	0.000	-12.90	84.80	
1.000	1.000	179.2	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
66 D	36.49	-2.2390E-04	168.0	95.68	169.9	100.1	ACTIVE	0.000	-13.10	86.78	
1.000	1.000	182.5	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
67 D	37.15	-2.2601E-04	170.0	96.99	171.9	101.5	ACTIVE	0.000	-13.30	88.75	
1.000	1.000	185.7	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
68 D	37.81	-2.2831E-04	172.1	98.30	174.0	102.8	ACTIVE	0.000	-13.50	90.73	
1.000	1.000	189.0	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
69 D	38.46	-2.3076E-04	174.1	99.60	176.0	104.2	ACTIVE	0.000	-13.70	92.71	
1.000	1.000	192.3	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
70 D	39.12	-2.3334E-04	176.1	100.9	178.0	105.5	UL-RL	1.6425E+05	-13.90	94.68	
1.000	1.000	195.6	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
71 D	39.78	-2.3605E-04	178.1	102.2	180.0	106.8	UL-RL	1.6425E+05	-14.10	96.66	
1.000	1.000	198.9	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
72 D	40.44	-2.3885E-04	180.2	103.6	182.1	108.2	UL-RL	1.6425E+05	-14.30	98.64	
1.000	1.000	202.2	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
73 D	41.10	-2.4175E-04	182.2	104.9	184.1	109.5	UL-RL	1.6425E+05	-14.50	100.6	
1.000	1.000	205.5	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
74 D	41.76	-2.4472E-04	184.2	106.2	186.1	110.9	UL-RL	1.6425E+05	-14.70	102.6	
1.000	1.000	208.8	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
75 D	42.42	-2.4775E-04	186.2	107.5	188.1	112.2	UL-RL	1.6425E+05	-14.90	104.6	
1.000	1.000	212.1	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
76 D	43.08	-2.5083E-04	188.3	108.8	190.2	113.6	UL-RL	1.6425E+05	-15.10	106.5	
1.000	1.000	215.4	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
77 D	43.73	-2.5396E-04	190.3	110.1	192.2	114.9	UL-RL	1.6425E+05	-15.30	108.5	
1.000	1.000	218.7	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
78 D	44.39	-2.5711E-04	192.3	111.5	194.2	116.3	UL-RL	1.6425E+05	-15.50	110.5	
1.000	1.000	222.0	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
79 D	45.05	-2.6029E-04	194.3	112.8	196.2	117.6	UL-RL	1.6425E+05	-15.70	112.5	
1.000	1.000	225.2	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
80 D	45.71	-2.6349E-04	196.3	114.1	198.2	119.0	UL-RL	1.6425E+05	-15.90	114.5	
1.000	1.000	228.5	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
81 D	46.36	-2.6670E-04	198.4	115.4	200.3	120.3	UL-RL	1.6425E+05	-16.10	116.4	
1.000	1.000	231.8	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
82 D	47.02	-2.6991E-04	200.4	116.7	202.3	121.7	UL-RL	1.6425E+05	-16.30	118.4	
1.000	1.000	235.1	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
83 D	47.68	-2.7313E-04	202.4	118.0	204.3	123.0	UL-RL	1.6425E+05	-16.50	120.4	
1.000	1.000	238.4	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000	

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0.0000      0.0000      0.0000      0.0000      0.0000
  84 D   48.33     -2.7635E-04   204.4       119.3       206.3       124.4          UL-RL  1.6425E+05  -16.70       122.4
1.000       1.000       241.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  85 D   48.99     -2.7956E-04   206.5       120.6       208.4       125.7          UL-RL  1.6425E+05  -16.90       124.3
1.000       1.000       244.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  86 D   49.65     -2.8277E-04   208.5       121.9       210.4       127.1          UL-RL  1.6425E+05  -17.10       126.3
1.000       1.000       248.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  87 D   50.30     -2.8597E-04   210.5       123.2       212.4       128.4          UL-RL  1.6425E+05  -17.30       128.3
1.000       1.000       251.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  88 D   50.96     -2.8917E-04   212.5       124.5       214.4       129.8          UL-RL  1.6425E+05  -17.50       130.3
1.000       1.000       254.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  89 D   45.66     -7.6930E-05   214.9       96.05       216.8       108.4          UL-RL  1.2046E+05  -17.70       132.2
1.000       1.000       228.3       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  90 D   46.31     -7.7113E-05   217.5       97.31       219.4       109.7          UL-RL  1.2046E+05  -17.90       134.2
1.000       1.000       231.5       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  91 D   46.96     -7.7291E-05   220.1       98.58       222.0       111.0          UL-RL  1.2046E+05  -18.10       136.2
1.000       1.000       234.8       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  92 D   47.60     -7.7466E-05   222.7       99.85       224.6       112.3          UL-RL  1.2046E+05  -18.30       138.2
1.000       1.000       238.0       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  93 D   48.25     -7.7637E-05   225.3       101.1       227.2       113.6          UL-RL  1.2046E+05  -18.50       140.2
1.000       1.000       241.3       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  94 D   48.90     -7.7807E-05   228.0       102.4       229.9       114.9          UL-RL  1.2046E+05  -18.70       142.1
1.000       1.000       244.5       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  95 D   49.55     -7.7976E-05   230.6       103.7       232.5       116.2          UL-RL  1.2046E+05  -18.90       144.1
1.000       1.000       247.8       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  96 D   50.20     -7.8144E-05   233.2       104.9       235.1       117.6          UL-RL  1.2046E+05  -19.10       146.1
1.000       1.000       251.0       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  97 D   25.42     -7.8313E-05   235.8       106.2       237.7       118.9          UL-RL  1.2046E+05  -19.30       148.1
1.000       1.000       254.2       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:41:02                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   97
C U R R E N T   T I M E   I S      5.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1     0.000         --          --          --          --          --         REMOVED     --      -0.1000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --         REMOVED     --      -0.3000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --         REMOVED     --      -0.5000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --         REMOVED     --      -0.7000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --         REMOVED     --      -0.9000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --         REMOVED     --       -1.100       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --         REMOVED     --       -1.300       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --         REMOVED     --       -1.500       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --         REMOVED     --       -1.700       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --         REMOVED     --       -1.900       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --         REMOVED     --       -2.100       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --         REMOVED     --       -2.300       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --         REMOVED     --       -2.500       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --         REMOVED     --       -2.700       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --         REMOVED     --       -2.900       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --         REMOVED     --       -3.100       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --         REMOVED     --       -3.300       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --         REMOVED     --       -3.500       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --         REMOVED     --       -3.700       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --         REMOVED     --       -3.900       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --         REMOVED     --       -4.100       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  22 D   5.283      6.5627E-04   3.610       26.41       81.70       40.85          UL-RL  2.3373E+04  -4.300       0.000
1.000       1.000       26.41       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   6.878      9.2091E-04   7.410       34.39       85.50       47.52          UL-RL  2.3373E+04  -4.500       0.000
1.000       1.000       34.39       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   7.621      9.6592E-04   10.85       37.75       88.94       50.42          UL-RL  2.3373E+04  -4.700       0.3592
1.000       1.000       38.11       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   8.222      9.6024E-04   12.63       38.73       90.72       51.67          UL-RL  2.3373E+04  -4.900       2.382
1.000       1.000       41.11       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   8.813      9.5506E-04   14.40       39.66       92.49       52.91          UL-RL  2.3373E+04  -5.100       4.406
1.000       1.000       44.07       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   9.398      9.5045E-04   16.18       40.56       94.27       54.15          UL-RL  2.3373E+04  -5.300       6.429
1.000       1.000       46.99       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   15.90      5.3098E-04   18.16       71.04       96.25       71.04         PASSIVE   0.000      -5.500       8.452
1.000       1.000       79.49       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   16.50      5.0881E-04   20.13       72.03       98.22       72.03             V-C  5.1115E+04  -5.700       10.48
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1.000       1.000       82.51       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   16.89      4.8737E-04   22.11       71.97       100.2       71.97           V-C  5.1115E+04  -5.900       12.50
1.000       1.000       84.47       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   17.29      4.6668E-04   24.09       71.94       102.2       71.94           V-C  5.1115E+04  -6.100       14.52
1.000       1.000       86.46       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   17.70      4.4679E-04   26.06       71.96       104.2       71.96           V-C  5.1115E+04  -6.300       16.55
1.000       1.000       88.50       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   18.12      4.2773E-04   28.04       72.02       106.1       72.02           V-C  5.1115E+04  -6.500       18.57
1.000       1.000       90.59       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   18.54      4.0951E-04   30.02       72.13       108.1       72.13           V-C  5.1115E+04  -6.700       20.59
1.000       1.000       92.72       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   18.98      3.9215E-04   31.99       72.29       110.1       72.29           V-C  5.1115E+04  -6.900       22.62
1.000       1.000       94.91       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   19.43      3.7567E-04   33.97       72.50       112.1       72.50           V-C  5.1115E+04  -7.100       24.64
1.000       1.000       97.14       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   19.89      3.6007E-04   35.95       72.76       114.0       72.76           V-C  5.1115E+04  -7.300       26.66
1.000       1.000       99.43       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   20.35      3.4537E-04   37.93       73.08       116.0       73.08           V-C  5.1115E+04  -7.500       28.68
1.000       1.000       101.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   20.83      3.3154E-04   39.90       73.45       118.0       73.45           V-C  5.1115E+04  -7.700       30.71
1.000       1.000       104.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   21.32      3.1861E-04   41.88       73.87       120.0       73.87           V-C  5.1115E+04  -7.900       32.73
1.000       1.000       106.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   21.82      3.0654E-04   43.86       74.34       121.9       74.34           V-C  5.1115E+04  -8.100       34.75
1.000       1.000       109.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   22.33      2.9534E-04   45.83       74.86       123.9       74.86           V-C  5.1115E+04  -8.300       36.78
1.000       1.000       111.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   22.85      2.8499E-04   47.81       75.43       125.9       75.43           V-C  5.1115E+04  -8.500       38.80
1.000       1.000       114.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   23.38      2.7547E-04   49.79       76.05       127.9       76.05           V-C  5.1115E+04  -8.700       40.82
1.000       1.000       116.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   23.91      2.6677E-04   51.76       76.72       129.9       76.72           V-C  5.1115E+04  -8.900       42.85
1.000       1.000       119.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   24.46      2.5886E-04   53.74       77.44       131.8       77.44           V-C  5.1115E+04  -9.100       44.87
1.000       1.000       122.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   25.02      2.5173E-04   55.72       78.20       133.8       78.20           V-C  5.1115E+04  -9.300       46.89
1.000       1.000       125.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   25.58      2.4534E-04   57.69       79.01       135.8       79.01           V-C  5.1115E+04  -9.500       48.92
1.000       1.000       127.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   26.16      2.3966E-04   59.67       79.85       137.8       79.85           V-C  5.1115E+04  -9.700       50.94
1.000       1.000       130.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   26.74      2.3468E-04   61.65       80.74       139.7       80.74           V-C  5.1115E+04  -9.900       52.96
1.000       1.000       133.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   27.18      2.3037E-04   63.62       80.91       141.7       82.04          UL-RL  1.5335E+05  -10.10       54.99
1.000       1.000       135.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   27.64      2.2668E-04   65.60       81.18       143.7       83.34          UL-RL  1.5335E+05  -10.30       57.01
1.000       1.000       138.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  53 D   28.12      2.2360E-04   67.58       81.56       145.7       84.64          UL-RL  1.5335E+05  -10.50       59.03
1.000       1.000       140.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   28.62      2.2108E-04   69.55       82.04       147.6       85.94          UL-RL  1.5335E+05  -10.70       61.06
1.000       1.000       143.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   29.14      2.1911E-04   71.53       82.60       149.6       87.24          UL-RL  1.5335E+05  -10.90       63.08
1.000       1.000       145.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   29.67      2.1763E-04   73.51       83.25       151.6       88.54          UL-RL  1.5335E+05  -11.10       65.10
1.000       1.000       148.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   30.22      2.1663E-04   75.48       83.98       153.6       89.84          UL-RL  1.5335E+05  -11.30       67.13
1.000       1.000       151.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   30.79      2.1607E-04   77.46       84.78       155.5       91.14          UL-RL  1.5335E+05  -11.50       69.15
1.000       1.000       153.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   31.36      2.1592E-04   79.44       85.65       157.5       92.45          UL-RL  1.5335E+05  -11.70       71.17
1.000       1.000       156.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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60 D	31.96	2.1614E-04	81.41	86.58	159.5	93.75	UL-RL	1.5335E+05	-11.90	73.20
1.000	1.000	159.8	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
61 D	32.56	2.1672E-04	83.39	87.57	161.5	95.05	UL-RL	1.5335E+05	-12.10	75.22
1.000	1.000	162.8	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
62 D	33.17	2.1762E-04	85.37	88.61	163.5	96.35	UL-RL	1.5335E+05	-12.30	77.24
1.000	1.000	165.8	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
63 D	33.79	2.1881E-04	87.34	89.69	165.4	97.65	UL-RL	1.5335E+05	-12.50	79.27
1.000	1.000	169.0	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
64 D	34.42	2.2027E-04	89.32	90.82	167.4	98.95	UL-RL	1.5335E+05	-12.70	81.29
1.000	1.000	172.1	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
65 D	35.06	2.2197E-04	91.30	91.99	169.4	100.3	UL-RL	1.5335E+05	-12.90	83.31
1.000	1.000	175.3	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
66 D	35.71	2.2390E-04	93.27	93.20	171.4	101.6	UL-RL	1.5335E+05	-13.10	85.34
1.000	1.000	178.5	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
67 D	36.36	2.2601E-04	95.25	94.43	173.3	102.9	UL-RL	1.5335E+05	-13.30	87.36
1.000	1.000	181.8	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
68 D	37.01	2.2831E-04	97.23	95.69	175.3	104.2	UL-RL	1.5335E+05	-13.50	89.38
1.000	1.000	185.1	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
69 D	37.68	2.3076E-04	99.20	96.98	177.3	105.5	UL-RL	1.5335E+05	-13.70	91.41
1.000	1.000	188.4	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
70 D	38.34	2.3334E-04	101.2	98.28	179.3	106.8	UL-RL	1.5335E+05	-13.90	93.43
1.000	1.000	191.7	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
71 D	39.01	2.3605E-04	103.2	99.61	181.2	108.1	UL-RL	1.5335E+05	-14.10	95.45
1.000	1.000	195.1	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
72 D	39.69	2.3885E-04	105.1	100.9	183.2	109.4	UL-RL	1.5335E+05	-14.30	97.48
1.000	1.000	198.4	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
73 D	40.36	2.4175E-04	107.1	102.3	185.2	110.7	UL-RL	1.5335E+05	-14.50	99.50
1.000	1.000	201.8	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
74 D	41.04	2.4472E-04	109.1	103.7	187.2	112.0	UL-RL	1.5335E+05	-14.70	101.5
1.000	1.000	205.2	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
75 D	41.72	2.4775E-04	111.1	105.0	189.2	113.3	UL-RL	1.5335E+05	-14.90	103.5
1.000	1.000	208.6	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
76 D	42.40	2.5083E-04	113.0	106.4	191.1	114.6	UL-RL	1.5335E+05	-15.10	105.6
1.000	1.000	212.0	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
77 D	43.08	2.5396E-04	115.0	107.8	193.1	115.9	UL-RL	1.5335E+05	-15.30	107.6
1.000	1.000	215.4	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
78 D	43.77	2.5711E-04	117.0	109.2	195.1	117.2	UL-RL	1.5335E+05	-15.50	109.6
1.000	1.000	218.8	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
79 D	44.45	2.6029E-04	119.0	110.6	197.1	118.5	UL-RL	1.5335E+05	-15.70	111.6
1.000	1.000	222.3	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
80 D	45.14	2.6349E-04	120.9	112.0	199.0	119.8	UL-RL	1.5335E+05	-15.90	113.7
1.000	1.000	225.7	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
81 D	45.82	2.6670E-04	122.9	113.4	201.0	121.1	UL-RL	1.5335E+05	-16.10	115.7
1.000	1.000	229.1	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
82 D	46.51	2.6991E-04	124.9	114.8	203.0	122.4	UL-RL	1.5335E+05	-16.30	117.7
1.000	1.000	232.5	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
83 D	47.19	2.7313E-04	126.9	116.2	205.0	123.7	UL-RL	1.5335E+05	-16.50	119.7
1.000	1.000	236.0	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
84 D	47.88	2.7635E-04	128.9	117.6	206.9	125.0	UL-RL	1.5335E+05	-16.70	121.8
1.000	1.000	239.4	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
85 D	48.57	2.7956E-04	130.8	119.1	208.9	126.3	UL-RL	1.5335E+05	-16.90	123.8
1.000	1.000	242.8	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
86 D	49.25	2.8277E-04	132.8	120.5	210.9	127.6	UL-RL	1.5335E+05	-17.10	125.8
1.000	1.000	246.3	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
87 D	49.94	2.8597E-04	134.8	121.9	212.9	128.9	UL-RL	1.5335E+05	-17.30	127.8
1.000	1.000	249.7	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
88 D	50.63	2.8917E-04	136.8	123.3	214.9	130.2	UL-RL	1.5335E+05	-17.50	129.8
1.000	1.000	253.1	0.000	0.000	8.000	8.000	Salt_167_22090_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
89 D	45.61	7.6930E-05	139.0	96.17	217.1	108.6	UL-RL	9.5268E+04	-17.70	131.9
1.000	1.000	228.0	0.000	0.000	50.40	50.40	Sch_168_22092_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
90 D	46.29	7.7113E-05	141.6	97.54	219.7	109.9	UL-RL	9.5268E+04	-17.90	133.9
1.000	1.000	231.4	0.000	0.000	50.40	50.40	Sch_168_22092_L_0			0.0000

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0.0000      0.0000      0.0000      0.0000      0.0000
  91 D   46.96      7.7291E-05   144.2       98.90       222.3       111.2          UL-RL  9.5268E+04  -18.10       135.9
1.000       1.000       234.8       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  92 D   47.64      7.7466E-05   146.8       100.3       224.9       112.5          UL-RL  9.5268E+04  -18.30       137.9
1.000       1.000       238.2       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  93 D   48.32      7.7637E-05   149.3       101.6       227.4       113.7          UL-RL  9.5268E+04  -18.50       140.0
1.000       1.000       241.6       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  94 D   49.00      7.7807E-05   151.9       103.0       230.0       115.0          UL-RL  9.5268E+04  -18.70       142.0
1.000       1.000       245.0       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  95 D   49.67      7.7976E-05   154.5       104.3       232.6       116.3          UL-RL  9.5268E+04  -18.90       144.0
1.000       1.000       248.4       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  96 D   50.35      7.8144E-05   157.1       105.7       235.2       117.6          UL-RL  9.5268E+04  -19.10       146.0
1.000       1.000       251.7       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  97 D   25.51      7.8313E-05   159.7       107.1       237.7       118.9          UL-RL  9.5268E+04  -19.30       148.1
1.000       1.000       255.1       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   96
C U R R E N T   T I M E   I S   5.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

EL	TA	TB	MA	MB
1	2.76913E-10	-2.76913E-10	2.77645E-11	-2.99068E-11
2	2.31239E-10	-2.31239E-10	8.05400E-11	-1.03242E-10
3	-7.40130E-10	7.40130E-10	5.16316E-11	-1.92948E-10
4	5.75255E-10	-5.75255E-10	1.75872E-10	-9.00438E-11
5	-4.83613E-13	4.83613E-13	1.46500E-10	-1.96764E-10
6	2.90185E-10	-2.90185E-10	2.25605E-10	-3.07083E-10
7	-6.80047E-10	6.80047E-10	2.67347E-10	-3.36943E-10
8	0.31855	-0.31855	2.91799E-10	6.37110E-02
9	0.99735	-0.99735	-6.37110E-02	0.26318
10	2.0364	-2.0364	-0.26318	0.67046
11	3.4357	-3.4357	-0.67046	1.3576
12	5.1952	-5.1952	-1.3576	2.3966
13	7.3149	-7.3149	-2.3966	3.8596
14	9.7949	-9.7949	-3.8596	5.8186
15	12.635	-12.635	-5.8186	8.3456
16	15.836	-15.836	-8.3456	11.513
17	19.396	-19.396	-11.513	15.392
18	23.317	-23.317	-15.392	20.056
19	27.599	-27.599	-20.056	25.575
20	32.240	-32.240	-25.575	32.023
21	37.242	-37.242	-32.023	39.471
22	37.321	-37.321	-39.471	46.936
23	36.352	-36.352	-46.936	54.206
24	35.418	-35.418	-54.206	61.290
25	34.695	-34.695	-61.290	68.229
26	34.189	-34.189	-68.229	75.066
27	33.904	-33.904	-75.066	81.847
28	29.540	-29.540	-81.847	87.755
29	25.231	-25.231	-87.755	92.801
30	21.186	-21.186	-92.801	97.038
31	17.399	-17.399	-97.038	100.52
32	13.861	-13.861	-100.52	103.29
33	10.562	-10.562	-103.29	105.40
34	7.4935	-7.4935	-105.40	106.90
35	4.6450	-4.6450	-106.90	107.83
36	2.0065	-2.0065	-107.83	108.23
37	-0.43253	0.43253	-108.23	108.15
38	-2.6824	2.6824	-108.15	107.61
39	-4.7537	4.7537	-107.61	106.66
40	-6.6567	6.6567	-106.66	105.33
41	-8.4019	8.4019	-105.33	103.65
42	-9.9996	9.9996	-103.65	101.65
43	-11.460	11.460	-101.65	99.354
44	-12.792	12.792	-99.354	96.796
45	-14.006	14.006	-96.796	93.995
46	-15.111	15.111	-93.995	90.973
47	-16.117	16.117	-90.973	87.749
48	-17.031	17.031	-87.749	84.343
49	-17.862	17.862	-84.343	80.771
50	-18.618	18.618	-80.771	77.047
51	-19.156	19.156	-77.047	73.216
52	-19.497	19.497	-73.216	69.317
53	-19.662	19.662	-69.317	65.384
54	-19.669	19.669	-65.384	61.451
55	-19.538	19.538	-61.451	57.543
56	-19.284	19.284	-57.543	53.686
57	-18.924	18.924	-53.686	49.901
58	-18.472	18.472	-49.901	46.207
59	-17.942	17.942	-46.207	42.618
60	-17.346	17.346	-42.618	39.149
61	-16.695	16.695	-39.149	35.810
62	-16.000	16.000	-35.810	32.610
63	-15.270	15.270	-32.610	29.556
64	-14.514	14.514	-29.556	26.653
65	-13.740	13.740	-26.653	23.905
66	-12.954	12.954	-23.905	21.315
67	-12.163	12.163	-21.315	18.882
68	-11.372	11.372	-18.882	16.608
69	-10.589	10.589	-16.608	14.490
70	-9.8107	9.8107	-14.490	12.528

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   71 -9.0421      9.0421     -12.528      10.719
   72 -8.2866      8.2866     -10.719      9.0621
   73 -7.5473      7.5473     -9.0621      7.5526
   74 -6.8270      6.8270     -7.5526      6.1872
   75 -6.1280      6.1280     -6.1872      4.9616
   76 -5.4523      5.4523     -4.9616      3.8712
   77 -4.8013      4.8013     -3.8712      2.9109
   78 -4.1765      4.1765     -2.9109      2.0756
   79 -3.5790      3.5790     -2.0756      1.3598
   80 -3.0094      3.0094     -1.3598     0.75790
   81 -2.4686      2.4686    -0.75790     0.26419
   82 -1.9569      1.9569    -0.26419    -0.12719
   83 -1.4747      1.4747     0.12719    -0.42212
   84 -1.0221      1.0221     0.42212    -0.62655
   85-0.59943     0.59943     0.62655    -0.74643
   86-0.20661     0.20661     0.74643    -0.78775
   87 0.15635    -0.15635     0.78775    -0.75649
   88 0.48950    -0.48950     0.75649    -0.65858
   89 0.53882    -0.53882     0.65858    -0.55082
   90 0.55921    -0.55921     0.55082    -0.43897
   91 0.55093    -0.55093     0.43897    -0.32879
   92 0.51424    -0.51424     0.32879    -0.22594
   93 0.44937    -0.44937     0.22594    -0.13607
   94 0.35655    -0.35655     0.13607    -6.47563E-02
   95 0.23598    -0.23598     6.47563E-02-1.75611E-02
   96 8.78057E-02-8.78057E-02 1.75611E-02 2.65919E-12

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1835E+06 RIMNOR=0.5831E+06
           RENORM= 3562.     REMNOR=0.7707E-19 RATIO =0.1393     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 49.30     RMMAX = 108.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1835E+06 RDR   =0.5831E+06
           RATIOT=0.1393     RATIOR= 0.000
           MAX UN= 16.59     IEQ=    65 NODE     33 DOF   1  Y-DISPL.F
           MIN UN=-.1315E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1835E+06 RIMNOR=0.5831E+06
           RENORM= 3144.     REMNOR=0.9319E-17 RATIO =0.1309     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 49.30     RMMAX = 108.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1835E+06 RDR   =0.5831E+06
           RATIOT=0.1309     RATIOR= 0.000
           MAX UN= 24.61     IEQ=    73 NODE     37 DOF   1  Y-DISPL.F
           MIN UN=-.1643E-07 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1835E+06 RIMNOR=0.5831E+06
           RENORM= 1789.     REMNOR=0.6447E-16 RATIO =0.9872E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 49.30     RMMAX = 108.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1835E+06 RDR   =0.5831E+06
           RATIOT=0.9872E-01 RATIOR= 0.000
           MAX UN= 20.29     IEQ=    89 NODE     45 DOF   1  Y-DISPL.F
           MIN UN=-3.132     IEQ=   191 NODE     96 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1835E+06 RIMNOR=0.5831E+06
           RENORM= 454.1     REMNOR=0.6029E-16 RATIO =0.4974E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 49.30     RMMAX = 108.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1835E+06 RDR   =0.5831E+06
           RATIOT=0.4974E-01 RATIOR= 0.000
           MAX UN= 13.31     IEQ=   111 NODE     56 DOF   1  Y-DISPL.F
           MIN UN=-.5009     IEQ=   167 NODE     84 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1835E+06 RIMNOR=0.5831E+06
           RENORM= 36.00     REMNOR=0.6291E-16 RATIO =0.1400E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 49.30     RMMAX = 108.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1835E+06 RDR   =0.5831E+06
           RATIOT=0.1400E-01 RATIOR= 0.000
           MAX UN= 5.071     IEQ=   123 NODE     62 DOF   1  Y-DISPL.F
           MIN UN=-.6382     IEQ=   169 NODE     85 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1835E+06 RIMNOR=0.5831E+06
           RENORM=0.4285E-01 REMNOR=0.3738E-16 RATIO =0.4832E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 49.30     RMMAX = 108.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
```

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           RDT   =0.1835E+06 RDR   =0.5831E+06
           RATIOT=0.4832E-03 RATIOR= 0.000
           MAX UN=0.2070     IEQ=   167 NODE     84 DOF   1  Y-DISPL.F
           MIN UN=-.4072E-07 IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


 ITER     7 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1835E+06 RIMNOR=0.5831E+06
           RENORM=0.2227E-03 REMNOR=0.4029E-16 RATIO =0.3483E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 49.30     RMMAX = 108.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1835E+06 RDR   =0.5831E+06
           RATIOT=0.3483E-04 RATIOR= 0.000
           MAX UN=0.2642E-07 IEQ=    39 NODE     20 DOF   1  Y-DISPL.F
           MIN UN=-.7033E-02 IEQ=   175 NODE     88 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*              |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :27 January 2022   16:41:02                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     7 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    6     ( AT TIME   6.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
    1   2.8430898E-02  -2.1537039E-03
    2   2.8000157E-02  -2.1537039E-03
    3   2.7569416E-02  -2.1537039E-03
    4   2.7138675E-02  -2.1537039E-03
    5   2.6707934E-02  -2.1537039E-03
    6   2.6277194E-02  -2.1537039E-03
    7   2.5846453E-02  -2.1537039E-03
    8   2.5415712E-02  -2.1537039E-03
    9   2.4984971E-02  -2.1537026E-03
   10   2.4554231E-02  -2.1536959E-03
   11   2.4123494E-02  -2.1536767E-03
   12   2.3692762E-02  -2.1536351E-03
   13   2.3262042E-02  -2.1535581E-03
   14   2.2831342E-02  -2.1534298E-03
   15   2.2400675E-02  -2.1532312E-03
   16   2.1970056E-02  -2.1529407E-03
   17   2.1539507E-02  -2.1525333E-03
   18   2.1109052E-02  -2.1519814E-03
   19   2.0678723E-02  -2.1512542E-03
   20   2.0248562E-02  -2.1503182E-03
   21   1.9818615E-02  -2.1491366E-03
   22   1.9388929E-02  -2.1476700E-03
   23   1.9252475E-02  -2.1458758E-03
   24   1.8896406E-02  -2.1437085E-03
   25   1.8489681E-02  -2.1411198E-03
   26   1.8083522E-02  -2.1380582E-03
   27   1.7678025E-02  -2.1344693E-03
   28   1.6857831E-02  -2.1302960E-03
   29   1.6435171E-02  -2.1254648E-03
   30   1.6013551E-02  -2.1198857E-03
   31   1.5593132E-02  -2.1134646E-03
   32   1.5174087E-02  -2.1061029E-03
   33   1.4756617E-02  -2.0976980E-03
   34   1.4340941E-02  -2.0881427E-03
   35   1.3927298E-02  -2.0773520E-03
   36   1.3515942E-02  -2.0652710E-03
   37   1.3107137E-02  -2.0518571E-03
   38   1.2701149E-02  -2.0370774E-03
   39   1.2298255E-02  -2.0209059E-03
   40   1.1898737E-02  -2.0033234E-03
   41   1.1502877E-02  -1.9843175E-03
   42   1.1110964E-02  -1.9638830E-03
   43   1.0723278E-02  -1.9420210E-03
   44   1.0340106E-02  -1.9187398E-03
   45   9.9617317E-03  -1.8940545E-03
   46   9.5884329E-03  -1.8679871E-03
   47   9.2204853E-03  -1.8405665E-03
   48   8.8581524E-03  -1.8118281E-03
   49   8.5016954E-03  -1.7818146E-03
   50   8.1513646E-03  -1.7505754E-03
   51   7.8074081E-03  -1.7181674E-03
   52   7.4700365E-03  -1.6846522E-03
   53   7.1394727E-03  -1.6501006E-03
   54   6.8159166E-03  -1.6145892E-03
   55   6.4995518E-03  -1.5782019E-03
   56   6.1905446E-03  -1.5410291E-03
   57   5.8890424E-03  -1.5031681E-03
   58   5.5951727E-03  -1.4647233E-03
   59   5.3090410E-03  -1.4258057E-03
   60   5.0307304E-03  -1.3865332E-03
   61   4.7602994E-03  -1.3470307E-03
   62   4.4977811E-03  -1.3074298E-03
   63   4.2431812E-03  -1.2678691E-03
   64   3.9964774E-03  -1.2284938E-03
   65   3.7576176E-03  -1.1894563E-03
   66   3.5265185E-03  -1.1509117E-03
   67   3.3030665E-03  -1.1130086E-03
   68   3.0871195E-03  -1.0758839E-03
   69   2.8785091E-03  -1.0396632E-03
   70   2.6770427E-03  -1.0044610E-03
   71   2.4825062E-03  -9.7038119E-04
   72   2.2946655E-03  -9.3751740E-04
   73   2.1132690E-03  -9.0595342E-04
   74   1.9380490E-03  -8.7576348E-04
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75	1.7687240E-03	-8.4701257E-04
76	1.6050006E-03	-8.1975680E-04
77	1.4465749E-03	-7.9404365E-04
78	1.2931341E-03	-7.6991230E-04
79	1.1443588E-03	-7.4739383E-04
80	9.9992388E-04	-7.2651157E-04
81	8.5950042E-04	-7.0728123E-04
82	7.2275708E-04	-6.8971117E-04
83	5.8936157E-04	-6.7380262E-04
84	4.5898204E-04	-6.5954978E-04
85	3.3128849E-04	-6.4694009E-04
86	2.0595451E-04	-6.3594847E-04
87	8.2660724E-05	-6.2652829E-04
88	-3.8900240E-05	-6.1860536E-04
89	-3.7444901E-04	-6.1207605E-04
90	-4.9639256E-04	-6.0683442E-04
91	-6.1740798E-04	-6.0277605E-04
92	-7.3772015E-04	-5.9978046E-04
93	-8.5752822E-04	-5.9771090E-04
94	-9.7700236E-04	-5.9641441E-04
95	-1.0962806E-03	-5.9572188E-04
96	-1.2154653E-03	-5.9544810E-04
97	-1.3346206E-03	-5.9539173E-04

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:41:02                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   97
C U R R E N T   T I M E   I S      6.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -2.8431E-02   0.000       0.000       1.900      0.9500          ACTIVE   0.000     -0.1000       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D   0.000     -2.8000E-02   3.800       0.000       5.700       2.850          ACTIVE   0.000     -0.3000       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   0.000     -2.7569E-02   7.600       0.000       9.500       4.750          ACTIVE   0.000     -0.5000       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   0.000     -2.7139E-02   11.40       0.000       13.30       6.650          ACTIVE   0.000     -0.7000       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   0.000     -2.6708E-02   15.20       0.000       17.10       8.550          ACTIVE   0.000     -0.9000       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   0.000     -2.6277E-02   19.00       0.000       20.90       10.45          ACTIVE   0.000      -1.100       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   0.000     -2.5846E-02   22.80       0.000       24.70       12.35          ACTIVE   0.000      -1.300       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D  0.3186     -2.5416E-02   26.60       1.593       28.50       14.25          ACTIVE   0.000      -1.500       0.000
1.000       1.000       1.593       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D  0.6788     -2.4985E-02   30.40       3.394       32.30       16.15          ACTIVE   0.000      -1.700       0.000
1.000       1.000       3.394       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   1.039     -2.4554E-02   34.20       5.195       36.10       18.05          ACTIVE   0.000      -1.900       0.000
1.000       1.000       5.195       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   1.399     -2.4123E-02   38.00       6.996       39.90       19.95          ACTIVE   0.000      -2.100       0.000
1.000       1.000       6.996       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   1.760     -2.3693E-02   41.80       8.798       43.70       21.85          ACTIVE   0.000      -2.300       0.000
1.000       1.000       8.798       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   2.120     -2.3262E-02   45.60       10.60       47.50       23.75          ACTIVE   0.000      -2.500       0.000
1.000       1.000       10.60       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   2.480     -2.2831E-02   49.40       12.40       51.30       25.65          ACTIVE   0.000      -2.700       0.000
1.000       1.000       12.40       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   2.840     -2.2401E-02   53.20       14.20       55.10       27.55          ACTIVE   0.000      -2.900       0.000
1.000       1.000       14.20       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   3.200     -2.1970E-02   57.00       16.00       58.90       29.45          ACTIVE   0.000      -3.100       0.000
1.000       1.000       16.00       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   3.561     -2.1540E-02   60.80       17.80       62.70       31.35          ACTIVE   0.000      -3.300       0.000
1.000       1.000       17.80       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   3.921     -2.1109E-02   64.60       19.60       66.50       33.25          ACTIVE   0.000      -3.500       0.000
1.000       1.000       19.60       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   4.281     -2.0679E-02   68.40       21.41       70.30       35.15          ACTIVE   0.000      -3.700       0.000
1.000       1.000       21.41       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   4.641     -2.0249E-02   72.20       23.21       74.10       37.05          ACTIVE   0.000      -3.900       0.000
1.000       1.000       23.21       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   5.002     -1.9819E-02   76.00       25.01       77.90       38.95          ACTIVE   0.000      -4.100       0.000
1.000       1.000       25.01       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   5.362     -1.9389E-02   79.80       26.81       81.70       40.85          ACTIVE   0.000      -4.300       0.000
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1.000       1.000       26.81       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   5.722     -1.9252E-02   83.60       28.61       83.72       45.74         ACTIVE   0.000      -4.500       0.000
1.000       1.000       28.61       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   6.082     -1.8896E-02   87.40       30.41       87.40       47.03         ACTIVE   0.000      -4.700       0.000
1.000       1.000       30.41       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   6.443     -1.8490E-02   91.20       32.21       91.20       48.32         ACTIVE   0.000      -4.900       0.000
1.000       1.000       32.21       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   6.803     -1.8084E-02   95.00       34.01       95.00       49.61         ACTIVE   0.000      -5.100       0.000
1.000       1.000       34.01       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   7.163     -1.7678E-02   98.80       35.82       98.80       50.89         ACTIVE   0.000      -5.300       0.000
1.000       1.000       35.82       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   10.71     -1.6858E-02   102.8       53.55       102.8       53.55         ACTIVE   0.000      -5.500       0.000
1.000       1.000       53.55       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   11.23     -1.6435E-02   106.8       56.13       106.8       56.13         ACTIVE   0.000      -5.700       0.000
1.000       1.000       56.13       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   11.74     -1.6014E-02   110.8       58.72       110.8       58.72         ACTIVE   0.000      -5.900       0.000
1.000       1.000       58.72       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   12.26     -1.5593E-02   114.8       61.30       114.8       61.30         ACTIVE   0.000      -6.100       0.000
1.000       1.000       61.30       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   12.78     -1.5174E-02   118.8       63.88       118.8       63.88         ACTIVE   0.000      -6.300       0.000
1.000       1.000       63.88       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   13.29     -1.4757E-02   122.8       66.47       122.8       66.47         ACTIVE   0.000      -6.500       0.000
1.000       1.000       66.47       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   13.90     -1.4341E-02   125.5       68.23       125.5       68.23         ACTIVE   0.000      -6.700       1.271
1.000       1.000       69.50       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   14.56     -1.3927E-02   127.6       69.55       127.6       69.55         ACTIVE   0.000      -6.900       3.230
1.000       1.000       72.78       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   15.21     -1.3516E-02   129.6       70.87       129.6       70.87         ACTIVE   0.000      -7.100       5.189
1.000       1.000       76.06       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   15.87     -1.3107E-02   131.7       72.19       131.7       72.19         ACTIVE   0.000      -7.300       7.148
1.000       1.000       79.34       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   16.52     -1.2701E-02   133.7       73.51       133.7       73.51         ACTIVE   0.000      -7.500       9.107
1.000       1.000       82.61       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   17.18     -1.2298E-02   135.7       74.82       135.7       74.82         ACTIVE   0.000      -7.700       11.07
1.000       1.000       85.89       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   17.83     -1.1899E-02   137.8       76.14       137.8       76.14         ACTIVE   0.000      -7.900       13.03
1.000       1.000       89.17       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   18.49     -1.1503E-02   139.8       77.46       139.8       77.46         ACTIVE   0.000      -8.100       14.98
1.000       1.000       92.45       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   19.14     -1.1111E-02   141.9       78.78       141.9       78.78         ACTIVE   0.000      -8.300       16.94
1.000       1.000       95.72       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   19.80     -1.0723E-02   143.9       80.10       143.9       80.10         ACTIVE   0.000      -8.500       18.90
1.000       1.000       99.00       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   20.46     -1.0340E-02   145.9       81.42       145.9       81.42         ACTIVE   0.000      -8.700       20.86
1.000       1.000       102.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   21.11     -9.9617E-03   148.0       82.74       148.0       82.74         ACTIVE   0.000      -8.900       22.82
1.000       1.000       105.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   21.77     -9.5884E-03   150.0       84.05       150.0       84.05         ACTIVE   0.000      -9.100       24.78
1.000       1.000       108.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   22.42     -9.2205E-03   152.1       85.37       152.1       85.37         ACTIVE   0.000      -9.300       26.74
1.000       1.000       112.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   23.08     -8.8582E-03   154.1       86.69       154.1       86.69         ACTIVE   0.000      -9.500       28.70
1.000       1.000       115.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   23.73     -8.5017E-03   156.1       88.01       156.1       88.01         ACTIVE   0.000      -9.700       30.66
1.000       1.000       118.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   24.39     -8.1514E-03   158.2       89.33       158.2       89.33         ACTIVE   0.000      -9.900       32.61
1.000       1.000       121.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   25.04     -7.8074E-03   160.2       90.65       160.2       90.65         ACTIVE   0.000      -10.10       34.57
1.000       1.000       125.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   25.70     -7.4700E-03   162.3       91.96       162.3       91.96         ACTIVE   0.000      -10.30       36.53
1.000       1.000       128.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   26.35     -7.1395E-03   164.3       93.28       164.3       93.28          ACTIVE   0.000      -10.50       38.49
1.000       1.000       131.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   27.01     -6.8159E-03   166.3       94.60       166.3       94.60          ACTIVE   0.000      -10.70       40.45
1.000       1.000       135.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   27.67     -6.4996E-03   168.4       95.92       168.4       95.92          ACTIVE   0.000      -10.90       42.41
1.000       1.000       138.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   28.32     -6.1905E-03   170.4       97.24       170.4       97.24          ACTIVE   0.000      -11.10       44.37
1.000       1.000       141.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   28.98     -5.8890E-03   172.5       98.56       172.5       98.56          ACTIVE   0.000      -11.30       46.33
1.000       1.000       144.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   29.63     -5.5952E-03   174.5       99.88       174.5       99.88          ACTIVE   0.000      -11.50       48.29
1.000       1.000       148.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   30.29     -5.3090E-03   176.6       101.2       176.6       101.2          ACTIVE   0.000      -11.70       50.25
1.000       1.000       151.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   30.94     -5.0307E-03   178.6       102.5       178.6       102.5          ACTIVE   0.000      -11.90       52.20
1.000       1.000       154.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   31.60     -4.7603E-03   180.6       103.8       180.6       103.8          ACTIVE   0.000      -12.10       54.16
1.000       1.000       158.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   32.25     -4.4978E-03   182.7       105.2       182.7       105.2          ACTIVE   0.000      -12.30       56.12
1.000       1.000       161.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   32.91     -4.2432E-03   184.7       106.5       184.7       106.5          ACTIVE   0.000      -12.50       58.08
1.000       1.000       164.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   33.57     -3.9965E-03   186.8       107.8       186.8       107.8          ACTIVE   0.000      -12.70       60.04
1.000       1.000       167.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   34.22     -3.7576E-03   188.8       109.1       188.8       109.1          ACTIVE   0.000      -12.90       62.00
1.000       1.000       171.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   34.88     -3.5265E-03   190.8       110.4       190.8       110.4          ACTIVE   0.000      -13.10       63.96
1.000       1.000       174.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   35.53     -3.3031E-03   192.9       111.7       192.9       111.7          ACTIVE   0.000      -13.30       65.92
1.000       1.000       177.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   36.19     -3.0871E-03   194.9       113.1       194.9       113.1          ACTIVE   0.000      -13.50       67.88
1.000       1.000       180.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   36.84     -2.8785E-03   197.0       114.4       197.0       114.4          ACTIVE   0.000      -13.70       69.83
1.000       1.000       184.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   37.50     -2.6770E-03   199.0       115.7       199.0       115.7          ACTIVE   0.000      -13.90       71.79
1.000       1.000       187.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   38.15     -2.4825E-03   201.0       117.0       201.0       117.0          ACTIVE   0.000      -14.10       73.75
1.000       1.000       190.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   38.81     -2.2947E-03   203.1       118.3       203.1       118.3          ACTIVE   0.000      -14.30       75.71
1.000       1.000       194.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   39.46     -2.1133E-03   205.1       119.7       205.1       119.7          ACTIVE   0.000      -14.50       77.67
1.000       1.000       197.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   40.12     -1.9380E-03   207.2       121.0       207.2       121.0          ACTIVE   0.000      -14.70       79.63
1.000       1.000       200.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   40.78     -1.7687E-03   209.2       122.3       209.2       122.3          ACTIVE   0.000      -14.90       81.59
1.000       1.000       203.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   41.43     -1.6050E-03   211.3       123.6       211.3       123.6          ACTIVE   0.000      -15.10       83.55
1.000       1.000       207.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   42.09     -1.4466E-03   213.3       124.9       213.3       124.9          ACTIVE   0.000      -15.30       85.51
1.000       1.000       210.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   42.74     -1.2931E-03   215.3       126.2       215.3       126.2          ACTIVE   0.000      -15.50       87.47
1.000       1.000       213.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   43.40     -1.1444E-03   217.4       127.6       217.4       127.6          ACTIVE   0.000      -15.70       89.42
1.000       1.000       217.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   44.05     -9.9992E-04   219.4       128.9       219.4       128.9          ACTIVE   0.000      -15.90       91.38
1.000       1.000       220.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   44.71     -8.5950E-04   221.5       130.2       221.5       130.7          ACTIVE   0.000      -16.10       93.34
1.000       1.000       223.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   45.36     -7.2276E-04   223.5       131.5       223.5       133.3          ACTIVE   0.000      -16.30       95.30
1.000       1.000       226.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  83 D   46.02     -5.8936E-04   225.5       132.8       225.5       135.8          ACTIVE   0.000      -16.50       97.26
1.000       1.000       230.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
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0.0000      0.0000      0.0000      0.0000      0.0000
  84 D   46.68     -4.5898E-04   227.6       134.2       227.6       138.2          ACTIVE   0.000      -16.70       99.22
1.000       1.000       233.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  85 D   47.33     -3.3129E-04   229.6       135.5       229.6       141.1          ACTIVE   0.000      -16.90       101.2
1.000       1.000       236.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  86 D   48.62     -2.0595E-04   231.7       140.0       231.7       145.5            UL-RL  1.0133E+05  -17.10       103.1
1.000       1.000       243.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  87 D   50.61     -8.2661E-05   233.7       148.0       233.7       149.9            UL-RL  1.0133E+05  -17.30       105.1
1.000       1.000       253.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  88 D   52.35      3.8900E-05   235.7       154.7       235.7       154.8            UL-RL  1.0133E+05  -17.50       107.1
1.000       1.000       261.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  89 D   45.63      3.7445E-04   238.1       119.1       238.1       119.2            UL-RL  7.4312E+04  -17.70       109.0
1.000       1.000       228.2       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  90 D   46.89      4.9639E-04   240.7       123.5       240.7       123.5            UL-RL  7.4312E+04  -17.90       111.0
1.000       1.000       234.4       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  91 D   48.14      6.1741E-04   243.4       127.8       243.4       127.8            UL-RL  7.4312E+04  -18.10       112.9
1.000       1.000       240.7       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  92 D   49.39      7.3772E-04   246.0       132.1       246.0       132.1            UL-RL  7.4312E+04  -18.30       114.9
1.000       1.000       246.9       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  93 D   50.63      8.5753E-04   248.7       136.3       248.7       136.4            UL-RL  7.4312E+04  -18.50       116.8
1.000       1.000       253.2       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  94 D   51.88      9.7700E-04   251.3       140.6       251.3       140.6            UL-RL  7.4312E+04  -18.70       118.8
1.000       1.000       259.4       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  95 D   53.12      1.0963E-03   253.9       144.8       253.9       144.9            UL-RL  7.4312E+04  -18.90       120.8
1.000       1.000       265.6       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  96 D   54.37      1.2155E-03   256.6       149.1       256.6       149.1            UL-RL  7.4312E+04  -19.10       122.7
1.000       1.000       271.8       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  97 D   27.80      1.3346E-03   259.2       153.4       259.2       153.4            UL-RL  7.4312E+04  -19.30       124.7
1.000       1.000       278.0       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:41:02                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   97
C U R R E N T   T I M E   I S      6.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                             ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1     0.000         --          --          --          --          --         REMOVED     --      -0.1000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --         REMOVED     --      -0.3000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --         REMOVED     --      -0.5000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --         REMOVED     --      -0.7000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --         REMOVED     --      -0.9000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --         REMOVED     --       -1.100       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --         REMOVED     --       -1.300       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --         REMOVED     --       -1.500       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --         REMOVED     --       -1.700       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --         REMOVED     --       -1.900       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --         REMOVED     --       -2.100       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --         REMOVED     --       -2.300       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --         REMOVED     --       -2.500       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --         REMOVED     --       -2.700       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --         REMOVED     --       -2.900       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --         REMOVED     --       -3.100       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --         REMOVED     --       -3.300       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --         REMOVED     --       -3.500       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --         REMOVED     --       -3.700       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --         REMOVED     --       -3.900       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --         REMOVED     --       -4.100       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --         REMOVED     --       -4.300       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --         REMOVED     --       -4.500       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  24     0.000         --          --          --          --          --         REMOVED     --       -4.700       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  25     0.000         --          --          --          --          --         REMOVED     --       -4.900       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  26     0.000         --          --          --          --          --         REMOVED     --       -5.100       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  27     0.000         --          --          --          --          --         REMOVED     --       -5.300       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  28     0.000         --          --          --          --          --         REMOVED     --       -5.500       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  29     0.000         --          --          --          --          --         REMOVED     --       -5.700       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  30     0.000         --          --          --          --          --         REMOVED     --       -5.900       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  31     0.000         --          --          --          --          --         REMOVED     --       -6.100       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  32     0.000         --          --          --          --          --         REMOVED     --       -6.300       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
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  33     0.000         --          --          --          --          --          REMOVED     --       -6.500       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  34 D   6.426      1.4341E-02   2.000       32.13       108.1       72.13        PASSIVE   0.000      -6.700       0.000
1.000       1.000       32.13       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   8.637      1.3927E-02   6.000       43.18       110.1       72.29        PASSIVE   0.000      -6.900       0.000
1.000       1.000       43.18       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   10.78      1.3516E-02   9.819       53.74       112.1       72.50        PASSIVE   0.000      -7.100       0.1813
1.000       1.000       53.92       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   12.28      1.3107E-02   11.78       59.15       114.0       72.76        PASSIVE   0.000      -7.300       2.222
1.000       1.000       61.38       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   13.77      1.2701E-02   13.74       64.57       116.0       73.08        PASSIVE   0.000      -7.500       4.263
1.000       1.000       68.83       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   15.26      1.2298E-02   15.70       69.98       118.0       73.45        PASSIVE   0.000      -7.700       6.304
1.000       1.000       76.29       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   16.75      1.1899E-02   17.65       75.40       120.0       75.40        PASSIVE   0.000      -7.900       8.346
1.000       1.000       83.74       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   18.24      1.1503E-02   19.61       80.81       121.9       80.81        PASSIVE   0.000      -8.100       10.39
1.000       1.000       91.20       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   19.73      1.1111E-02   21.57       86.23       123.9       86.23        PASSIVE   0.000      -8.300       12.43
1.000       1.000       98.65       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   21.22      1.0723E-02   23.53       91.64       125.9       91.64        PASSIVE   0.000      -8.500       14.47
1.000       1.000       106.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   22.71      1.0340E-02   25.49       97.06       127.9       97.06        PASSIVE   0.000      -8.700       16.51
1.000       1.000       113.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   24.20      9.9617E-03   27.45       102.5       129.9       102.5        PASSIVE   0.000      -8.900       18.55
1.000       1.000       121.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   25.70      9.5884E-03   29.41       107.9       131.8       107.9        PASSIVE   0.000      -9.100       20.59
1.000       1.000       128.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   27.19      9.2205E-03   31.37       113.3       133.8       113.3        PASSIVE   0.000      -9.300       22.63
1.000       1.000       135.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   28.68      8.8582E-03   33.33       118.7       135.8       118.7        PASSIVE   0.000      -9.500       24.67
1.000       1.000       143.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   30.17      8.5017E-03   35.28       124.1       137.8       124.1        PASSIVE   0.000      -9.700       26.71
1.000       1.000       150.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   31.66      8.1514E-03   37.24       129.5       139.7       129.5        PASSIVE   0.000      -9.900       28.76
1.000       1.000       158.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   33.15      7.8074E-03   39.20       135.0       141.7       135.0        PASSIVE   0.000      -10.10       30.80
1.000       1.000       165.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   34.64      7.4700E-03   41.16       140.4       143.7       140.4        PASSIVE   0.000      -10.30       32.84
1.000       1.000       173.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  53 D   36.13      7.1395E-03   43.12       145.8       145.7       145.8        PASSIVE   0.000      -10.50       34.88
1.000       1.000       180.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   37.62      6.8159E-03   45.08       151.2       147.6       151.2        PASSIVE   0.000      -10.70       36.92
1.000       1.000       188.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   39.12      6.4996E-03   47.04       156.6       149.6       156.6        PASSIVE   0.000      -10.90       38.96
1.000       1.000       195.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   40.61      6.1905E-03   49.00       162.0       151.6       162.0        PASSIVE   0.000      -11.10       41.00
1.000       1.000       203.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   42.10      5.8890E-03   50.96       167.4       153.6       167.4        PASSIVE   0.000      -11.30       43.04
1.000       1.000       210.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   43.59      5.5952E-03   52.92       172.9       155.5       172.9        PASSIVE   0.000      -11.50       45.08
1.000       1.000       217.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   45.08      5.3090E-03   54.87       178.3       157.5       178.3        PASSIVE   0.000      -11.70       47.13
1.000       1.000       225.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   46.57      5.0307E-03   56.83       183.7       159.5       183.7        PASSIVE   0.000      -11.90       49.17
1.000       1.000       232.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   48.06      4.7603E-03   58.79       189.1       161.5       189.1        PASSIVE   0.000      -12.10       51.21
1.000       1.000       240.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   49.55      4.4978E-03   60.75       194.5       163.5       194.5        PASSIVE   0.000      -12.30       53.25
1.000       1.000       247.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   51.04      4.2432E-03   62.71       199.9       165.4       199.9        PASSIVE   0.000      -12.50       55.29
1.000       1.000       255.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  64 D   52.54      3.9965E-03   64.67       205.3       167.4       205.3        PASSIVE   0.000      -12.70       57.33
1.000       1.000       262.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   53.07      3.7576E-03   66.63       206.0       169.4       206.0            V-C  3.1534E+04  -12.90       59.37
1.000       1.000       265.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   52.26      3.5265E-03   68.59       199.9       171.4       199.9            V-C  3.1534E+04  -13.10       61.41
1.000       1.000       261.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   51.51      3.3031E-03   70.55       194.1       173.3       194.1            V-C  3.1534E+04  -13.30       63.45
1.000       1.000       257.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   50.80      3.0871E-03   72.51       188.5       175.3       188.5            V-C  3.1534E+04  -13.50       65.49
1.000       1.000       254.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   50.14      2.8785E-03   74.46       183.2       177.3       183.2            V-C  3.1534E+04  -13.70       67.54
1.000       1.000       250.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   49.53      2.6770E-03   76.42       178.1       179.3       178.1            V-C  3.1534E+04  -13.90       69.58
1.000       1.000       247.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   48.95      2.4825E-03   78.38       173.2       181.2       173.2            V-C  3.1534E+04  -14.10       71.62
1.000       1.000       244.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   48.43      2.2947E-03   80.34       168.5       183.2       168.5            V-C  3.1534E+04  -14.30       73.66
1.000       1.000       242.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   47.94      2.1133E-03   82.30       164.0       185.2       164.0            V-C  3.1534E+04  -14.50       75.70
1.000       1.000       239.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   47.49      1.9380E-03   84.26       159.7       187.2       159.7            V-C  3.1534E+04  -14.70       77.74
1.000       1.000       237.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   47.08      1.7687E-03   86.22       155.6       189.2       155.6            V-C  3.1534E+04  -14.90       79.78
1.000       1.000       235.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   46.70      1.6050E-03   88.18       151.7       191.1       151.7            V-C  3.1534E+04  -15.10       81.82
1.000       1.000       233.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   46.36      1.4466E-03   90.14       147.9       193.1       147.9            V-C  3.1534E+04  -15.30       83.86
1.000       1.000       231.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   46.05      1.2931E-03   92.09       144.3       195.1       144.3            V-C  3.1534E+04  -15.50       85.91
1.000       1.000       230.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   45.77      1.1444E-03   94.05       140.9       197.1       140.9            V-C  3.1534E+04  -15.70       87.95
1.000       1.000       228.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   45.51      9.9992E-04   96.01       137.6       199.0       137.6            V-C  3.1534E+04  -15.90       89.99
1.000       1.000       227.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   45.29      8.5950E-04   97.97       134.4       201.0       134.4            V-C  3.1534E+04  -16.10       92.03
1.000       1.000       226.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   45.08      7.2276E-04   99.93       131.3       203.0       131.3            V-C  3.1534E+04  -16.30       94.07
1.000       1.000       225.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  83 D   44.90      5.8936E-04   101.9       128.4       205.0       128.4            V-C  3.1534E+04  -16.50       96.11
1.000       1.000       224.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  84 D   44.73      4.5898E-04   103.8       125.5       206.9       125.5            V-C  3.1534E+04  -16.70       98.15
1.000       1.000       223.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  85 D   43.16      3.3129E-04   105.8       115.6       208.9       126.3           UL-RL  9.4603E+04  -16.90       100.2
1.000       1.000       215.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  86 D   41.43      2.0595E-04   107.8       104.9       210.9       127.6           UL-RL  9.4603E+04  -17.10       102.2
1.000       1.000       207.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  87 D   39.73      8.2661E-05   109.7       94.36       212.9       128.9           UL-RL  9.4603E+04  -17.30       104.3
1.000       1.000       198.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  88 D   38.06     -3.8900E-05   111.7       83.99       214.9       130.2           UL-RL  9.4603E+04  -17.50       106.3
1.000       1.000       190.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  89 D   33.95     -3.7445E-04   113.9       61.41       217.1       108.6           UL-RL  5.8773E+04  -17.70       108.4
1.000       1.000       169.8       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  90 D   33.21     -4.9639E-04   116.5       55.63       219.7       109.9           UL-RL  5.8773E+04  -17.90       110.4
1.000       1.000       166.0       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  91 D   32.47     -6.1741E-04   119.1       49.90       222.3       111.2           UL-RL  5.8773E+04  -18.10       112.4
1.000       1.000       162.3       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  92 D   31.74     -7.3772E-04   121.6       44.21       224.9       112.5           UL-RL  5.8773E+04  -18.30       114.5
1.000       1.000       158.7       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  93 D   31.01     -8.5753E-04   124.2       38.54       227.4       113.7           UL-RL  5.8773E+04  -18.50       116.5
1.000       1.000       155.1       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  94 D   30.29     -9.7700E-04   126.7       32.90       230.0       115.0           UL-RL  5.8773E+04  -18.70       118.6
1.000       1.000       151.5       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
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0.0000      0.0000      0.0000      0.0000      0.0000
  95 D   29.57     -1.0963E-03   129.3       27.26       232.6       116.3          UL-RL  5.8773E+04  -18.90       120.6
1.000       1.000       147.9       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  96 D   28.85     -1.2155E-03   131.9       21.63       235.2       117.6          UL-RL  5.8773E+04  -19.10       122.6
1.000       1.000       144.3       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  97 D   14.07     -1.3346E-03   134.4       15.99       237.7       118.9          UL-RL  5.8773E+04  -19.30       124.7
1.000       1.000       140.7       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   96
C U R R E N T   T I M E   I S   6.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

EL	TA	TB	MA	MB
1	8.38351E-09	-8.38351E-09	8.34216E-10	-9.12202E-10
2	-1.08783E-08	1.08783E-08	6.73199E-10	-2.55380E-09
3	-3.70488E-09	3.70488E-09	1.08176E-09	-3.98557E-09
4	2.01208E-09	-2.01208E-09	3.82928E-09	-2.85145E-09
5	-7.32953E-09	7.32953E-09	2.31484E-09	-6.28698E-09
6	4.37505E-09	-4.37505E-09	5.99007E-09	-4.09825E-09
7	2.13305E-09	-2.13305E-09	4.74553E-09	-6.17487E-09
8	0.31855	-0.31855	7.90012E-09	6.37110E-02
9	0.99735	-0.99735	-6.37110E-02	0.26318
10	2.0364	-2.0364	-0.26318	0.67046
11	3.4357	-3.4357	-0.67046	1.3576
12	5.1952	-5.1952	-1.3576	2.3966
13	7.3149	-7.3149	-2.3966	3.8596
14	9.7949	-9.7949	-3.8596	5.8186
15	12.635	-12.635	-5.8186	8.3456
16	15.836	-15.836	-8.3456	11.513
17	19.396	-19.396	-11.513	15.392
18	23.317	-23.317	-15.392	20.056
19	27.599	-27.599	-20.056	25.575
20	32.240	-32.240	-25.575	32.023
21	37.242	-37.242	-32.023	39.471
22	42.604	-42.604	-39.471	47.992
23	48.326	-48.326	-47.992	57.657
24	54.408	-54.408	-57.657	68.539
25	60.851	-60.851	-68.539	80.709
26	67.654	-67.654	-80.709	94.240
27	74.817	-74.817	-94.240	109.20
28	85.526	-85.526	-109.20	126.31
29	96.753	-96.753	-126.31	145.66
30	108.50	-108.50	-145.66	167.36
31	120.76	-120.76	-167.36	191.51
32	133.53	-133.53	-191.51	218.22
33	146.83	-146.83	-218.22	247.58
34	154.30	-154.30	-247.58	278.44
35	160.22	-160.22	-278.44	310.49
36	164.65	-164.65	-310.49	343.42
37	168.24	-168.24	-343.42	377.06
38	171.00	-171.00	-377.06	411.26
39	172.92	-172.92	-411.26	445.85
40	174.00	-174.00	-445.85	480.65
41	174.25	-174.25	-480.65	515.50
42	173.67	-173.67	-515.50	550.23
43	172.24	-172.24	-550.23	584.68
44	169.99	-169.99	-584.68	618.68
45	166.89	-166.89	-618.68	652.06
46	162.96	-162.96	-652.06	684.65
47	158.20	-158.20	-684.65	716.29
48	152.60	-152.60	-716.29	746.81
49	146.16	-146.16	-746.81	776.04
50	138.89	-138.89	-776.04	803.82
51	130.79	-130.79	-803.82	829.98
52	121.84	-121.84	-829.98	854.35
53	112.07	-112.07	-854.35	876.76
54	101.45	-101.45	-876.76	897.05
55	90.003	-90.003	-897.05	915.05
56	77.718	-77.718	-915.05	930.59
57	64.597	-64.597	-930.59	943.51
58	50.641	-50.641	-943.51	953.64
59	35.849	-35.849	-953.64	960.81
60	20.222	-20.222	-960.81	964.86
61	3.7587	-3.7587	-964.86	965.61
62	-13.540	13.540	-965.61	962.90
63	-31.674	31.674	-962.90	956.56
64	-50.644	50.644	-956.56	946.44
65	-69.492	69.492	-946.44	932.54
66	-86.880	86.880	-932.54	915.16
67	-102.86	102.86	-915.16	894.59
68	-117.47	117.47	-894.59	871.10
69	-130.77	130.77	-871.10	844.94
70	-142.80	142.80	-844.94	816.38

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   71 -153.60      153.60     -816.38      785.66
   72 -163.22      163.22     -785.66      753.02
   73 -171.69      171.69     -753.02      718.68
   74 -179.06      179.06     -718.68      682.87
   75 -185.36      185.36     -682.87      645.80
   76 -190.64      190.64     -645.80      607.67
   77 -194.91      194.91     -607.67      568.69
   78 -198.22      198.22     -568.69      529.04
   79 -200.59      200.59     -529.04      488.93
   80 -202.05      202.05     -488.93      448.52
   81 -202.63      202.63     -448.52      407.99
   82 -202.34      202.34     -407.99      367.52
   83 -201.22      201.22     -367.52      327.28
   84 -199.28      199.28     -327.28      287.42
   85 -195.11      195.11     -287.42      248.40
   86 -187.91      187.91     -248.40      210.82
   87 -177.03      177.03     -210.82      175.41
   88 -162.73      162.73     -175.41      142.86
   89 -151.05      151.05     -142.86      112.65
   90 -137.36      137.36     -112.65      85.183
   91 -121.68      121.68     -85.183      60.846
   92 -104.03      104.03     -60.846      40.041
   93 -84.401      84.401     -40.041      23.161
   94 -62.809      62.809     -23.161      10.599
   95 -39.255      39.255     -10.599      2.7477
   96 -13.739      13.739     -2.7477   -3.19835E-12

ITER     0 RNORM = 36.69     RMNORM= 0.000
           RINORM=0.3040E+07 RIMNOR=0.5426E+08
           RENORM= 380.5     REMNOR=0.4029E-16 RATIO =0.1119E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 202.6     RMMAX = 965.6
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.3040E+07 RDR   =0.5426E+08
           RATIOT=0.1119E-01 RATIOR= 0.000
           MAX UN= 5.305     IEQ=   127 NODE     64 DOF   1  Y-DISPL.F
           MIN UN=-.7033E-02 IEQ=   175 NODE     88 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 36.69     RMNORM= 0.000
           RINORM=0.3040E+07 RIMNOR=0.5426E+08
           RENORM= 5377.     REMNOR=0.7666E-15 RATIO =0.4206E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 202.6     RMMAX = 965.6
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.3040E+07 RDR   =0.5426E+08
           RATIOT=0.4206E-01 RATIOR= 0.000
           MAX UN= 29.36     IEQ=   135 NODE     68 DOF   1  Y-DISPL.F
           MIN UN=-29.97     IEQ=   191 NODE     96 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 36.69     RMNORM= 0.000
           RINORM=0.3040E+07 RIMNOR=0.5426E+08
           RENORM= 5886.     REMNOR=0.3754E-14 RATIO =0.4400E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 202.6     RMMAX = 965.6
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.3040E+07 RDR   =0.5426E+08
           RATIOT=0.4400E-01 RATIOR= 0.000
           MAX UN= 44.57     IEQ=   153 NODE     77 DOF   1  Y-DISPL.F
           MIN UN=-26.88     IEQ=   181 NODE     91 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 36.69     RMNORM= 0.000
           RINORM=0.3040E+07 RIMNOR=0.5426E+08
           RENORM= 5472.     REMNOR=0.1646E-13 RATIO =0.4243E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 202.6     RMMAX = 965.6
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.3040E+07 RDR   =0.5426E+08
           RATIOT=0.4243E-01 RATIOR= 0.000
           MAX UN= 49.71     IEQ=   165 NODE     83 DOF   1  Y-DISPL.F
           MIN UN=-24.25     IEQ=   177 NODE     89 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 36.69     RMNORM= 0.000
           RINORM=0.3040E+07 RIMNOR=0.5426E+08
           RENORM= 9258.     REMNOR=0.2253E-13 RATIO =0.5518E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 202.6     RMMAX = 965.6
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.3040E+07 RDR   =0.5426E+08
           RATIOT=0.5518E-01 RATIOR= 0.000
           MAX UN= 77.04     IEQ=   177 NODE     89 DOF   1  Y-DISPL.F
           MIN UN=-38.34     IEQ=   179 NODE     90 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 36.69     RMNORM= 0.000
           RINORM=0.3040E+07 RIMNOR=0.5426E+08
           RENORM= 1508.     REMNOR=0.3111E-13 RATIO =0.2227E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 202.6     RMMAX = 965.6
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
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           RDT   =0.3040E+07 RDR   =0.5426E+08
           RATIOT=0.2227E-01 RATIOR= 0.000
           MAX UN= 29.80     IEQ=   181 NODE     91 DOF   1  Y-DISPL.F
           MIN UN=-24.90     IEQ=   183 NODE     92 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     7 RNORM = 36.69     RMNORM= 0.000
           RINORM=0.3040E+07 RIMNOR=0.5426E+08
           RENORM=0.4416     REMNOR=0.1374E-13 RATIO =0.3811E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 202.6     RMMAX = 965.6
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.3040E+07 RDR   =0.5426E+08
           RATIOT=0.3811E-03 RATIOR= 0.000
           MAX UN=0.9222E-06 IEQ=    81 NODE     41 DOF   1  Y-DISPL.F
           MIN UN=-.6645     IEQ=   185 NODE     93 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     8 RNORM = 36.69     RMNORM= 0.000
           RINORM=0.3040E+07 RIMNOR=0.5426E+08
           RENORM=0.1406     REMNOR=0.1016E-13 RATIO =0.2150E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 202.6     RMMAX = 965.6
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.3040E+07 RDR   =0.5426E+08
           RATIOT=0.2150E-03 RATIOR= 0.000
           MAX UN=0.1794     IEQ=   175 NODE     88 DOF   1  Y-DISPL.F
           MIN UN=-.5385E-06 IEQ=    67 NODE     34 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     9 RNORM = 36.69     RMNORM= 0.000
           RINORM=0.3040E+07 RIMNOR=0.5426E+08
           RENORM=0.5087E-01 REMNOR=0.1406E-13 RATIO =0.1294E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 202.6     RMMAX = 965.6
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.3040E+07 RDR   =0.5426E+08
           RATIOT=0.1294E-03 RATIOR= 0.000
           MAX UN=0.7495E-01 IEQ=   163 NODE     82 DOF   1  Y-DISPL.F
           MIN UN=-.6901E-01 IEQ=   191 NODE     96 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER    10 RNORM = 36.69     RMNORM= 0.000
           RINORM=0.3040E+07 RIMNOR=0.5426E+08
           RENORM=0.1449E-02 REMNOR=0.1155E-13 RATIO =0.2183E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 202.6     RMMAX = 965.6
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.3040E+07 RDR   =0.5426E+08
           RATIOT=0.2183E-04 RATIOR= 0.000
           MAX UN=0.1641E-01 IEQ=   113 NODE     57 DOF   1  Y-DISPL.F
           MIN UN=-.1364E-02 IEQ=    55 NODE     28 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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New Project
SOLUTION REACHED USING   10 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P   7   (AT TIME   7.000   ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

	Y-DISPL.F 02	X-ROT. F 04
1	0.4627582	-2.6596722E-02
2	0.4574389	-2.6596720E-02
3	0.4521195	-2.6596709E-02
4	0.4468002	-2.6596680E-02
5	0.4414809	-2.6596625E-02
6	0.4361616	-2.6596534E-02
7	0.4308423	-2.6596400E-02
8	0.4255230	-2.6596212E-02
9	0.4202038	-2.6595962E-02
10	0.4148846	-2.6595635E-02
11	0.4095655	-2.6595217E-02
12	0.4042465	-2.6594688E-02
13	0.3989277	-2.6594027E-02
14	0.3936089	-2.6593208E-02
15	0.3882904	-2.6592204E-02
16	0.3829721	-2.6590985E-02
17	0.3776540	-2.6589517E-02
18	0.3723363	-2.6587763E-02
19	0.3670189	-2.6585684E-02
20	0.3617020	-2.6583238E-02
21	0.3563857	-2.6580378E-02
22	0.3510699	-2.6577057E-02
23	0.3460478	-2.6573223E-02
24	0.3408065	-2.6568821E-02
25	0.3355150	-2.6563796E-02
26	0.3302246	-2.6558086E-02
27	0.3249353	-2.6551628E-02
28	0.3192320	-2.6544356E-02
29	0.3139269	-2.6536189E-02
30	0.3086235	-2.6527026E-02
31	0.3033220	-2.6516766E-02
32	0.2980227	-2.6505301E-02
33	0.2927258	-2.6492518E-02
34	0.2874317	-2.6478305E-02
35	0.2821405	-2.6462570E-02
36	0.2768526	-2.6445257E-02
37	0.2715684	-2.6426319E-02
38	0.2662881	-2.6405716E-02
39	0.2610121	-2.6383416E-02
40	0.2557407	-2.6359391E-02
41	0.2504743	-2.6333616E-02
42	0.2452132	-2.6306077E-02
43	0.2399578	-2.6276760E-02
44	0.2347085	-2.6245659E-02
45	0.2294656	-2.6212774E-02
46	0.2242294	-2.6178109E-02
47	0.2190003	-2.6141674E-02
48	0.2137787	-2.6103486E-02
49	0.2085649	-2.6063564E-02
50	0.2033592	-2.6021937E-02
51	0.1981622	-2.5978637E-02
52	0.1929739	-2.5933700E-02
53	0.1877947	-2.5887170E-02
54	0.1826250	-2.5839096E-02
55	0.1774650	-2.5789532E-02
56	0.1723151	-2.5738538E-02
57	0.1671755	-2.5686179E-02
58	0.1620466	-2.5632526E-02
59	0.1569285	-2.5577656E-02
60	0.1518214	-2.5521651E-02
61	0.1467257	-2.5464596E-02
62	0.1416415	-2.5406587E-02
63	0.1365690	-2.5347720E-02
64	0.1315083	-2.5288099E-02
65	0.1264597	-2.5227834E-02
66	0.1214231	-2.5167040E-02
67	0.1163987	-2.5105837E-02
68	0.1113866	-2.5044352E-02
69	0.1063869	-2.4982715E-02
70	0.1013994	-2.4921063E-02
71	9.6424289E-02	-2.4859540E-02
72	9.1461440E-02	-2.4798292E-02
73	8.6510800E-02	-2.4737474E-02
74	8.1572268E-02	-2.4677245E-02

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75   7.6645708E-02  -2.4617769E-02
76   7.1730955E-02  -2.4559217E-02
77   6.6827805E-02  -2.4501763E-02
78   6.1936020E-02  -2.4445590E-02
79   5.7055327E-02  -2.4390884E-02
80   5.2185413E-02  -2.4337836E-02
81   4.7325925E-02  -2.4286646E-02
82   4.2476473E-02  -2.4237515E-02
83   3.7636624E-02  -2.4190654E-02
84   3.2805903E-02  -2.4146276E-02
85   2.7983790E-02  -2.4104600E-02
86   2.3169724E-02  -2.4065853E-02
87   1.8363095E-02  -2.4030265E-02
88   1.3563248E-02  -2.3998073E-02
89   8.5538151E-03  -2.3969515E-02
90   3.7623691E-03  -2.3944902E-02
91  -1.0245756E-03  -2.3924543E-02
92  -5.8078918E-03  -2.3908645E-02
93  -1.0588477E-02  -2.3897196E-02
94  -1.5367186E-02  -2.3889792E-02
95  -2.0144762E-02  -2.3885719E-02
96  -2.4921781E-02  -2.3884061E-02
97  -2.9698620E-02  -2.3883710E-02
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:41:02                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   97
C U R R E N T   T I M E   I S      7.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D  6.1735E-04 -0.4628       0.000      6.1735E-03   1.900      0.9500          UL-RL  1.4958E+04 -0.1000       0.000
1.000       1.000      6.1735E-03   0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D  1.2159E-03 -0.4574       3.800      6.0795E-03   5.700       2.850          UL-RL  1.4958E+04 -0.3000       0.000
1.000       1.000      6.0795E-03   0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D  1.1971E-03 -0.4521       7.600      5.9854E-03   9.500       4.750          UL-RL  1.4958E+04 -0.5000       0.000
1.000       1.000      5.9854E-03   0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D  1.1783E-03 -0.4468       11.40      5.8913E-03   13.30       6.650          UL-RL  1.4958E+04 -0.7000       0.000
1.000       1.000      5.8913E-03   0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D  1.1594E-03 -0.4415       15.20      5.7971E-03   17.10       8.550          UL-RL  1.4958E+04 -0.9000       0.000
1.000       1.000      5.7971E-03   0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D  1.1405E-03 -0.4362       19.00      5.7026E-03   20.90       10.45          UL-RL  1.4958E+04  -1.100       0.000
1.000       1.000      5.7026E-03   0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D  1.1216E-03 -0.4308       22.80      5.6078E-03   24.70       12.35          UL-RL  1.4958E+04  -1.300       0.000
1.000       1.000      5.6078E-03   0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D  0.3197     -0.4255       26.60       1.598       28.50       14.25          UL-RL  1.4958E+04  -1.500       0.000
1.000       1.000       1.598       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D  0.6799     -0.4202       30.40       3.399       32.30       16.15          UL-RL  1.4958E+04  -1.700       0.000
1.000       1.000       3.399       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   1.040     -0.4149       34.20       5.200       36.10       18.05          UL-RL  1.4958E+04  -1.900       0.000
1.000       1.000       5.200       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   1.400     -0.4096       38.00       7.002       39.90       19.95          UL-RL  1.4958E+04  -2.100       0.000
1.000       1.000       7.002       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   1.761     -0.4042       41.80       8.803       43.70       21.85          UL-RL  1.4958E+04  -2.300       0.000
1.000       1.000       8.803       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   2.121     -0.3989       45.60       10.60       47.50       23.75          UL-RL  1.4958E+04  -2.500       0.000
1.000       1.000       10.60       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   2.481     -0.3936       49.40       12.40       51.30       25.65          UL-RL  1.4958E+04  -2.700       0.000
1.000       1.000       12.40       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   2.841     -0.3883       53.20       14.21       55.10       27.55          UL-RL  1.4958E+04  -2.900       0.000
1.000       1.000       14.21       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   3.201     -0.3830       57.00       16.01       58.90       29.45          UL-RL  1.4958E+04  -3.100       0.000
1.000       1.000       16.01       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   3.562     -0.3777       60.80       17.81       62.70       31.35          UL-RL  1.4958E+04  -3.300       0.000
1.000       1.000       17.81       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   3.922     -0.3723       64.60       19.61       66.50       33.25          UL-RL  1.4958E+04  -3.500       0.000
1.000       1.000       19.61       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   4.282     -0.3670       68.40       21.41       70.30       35.15          UL-RL  1.4958E+04  -3.700       0.000
1.000       1.000       21.41       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   4.642     -0.3617       72.20       23.21       74.10       37.05          UL-RL  1.4958E+04  -3.900       0.000
1.000       1.000       23.21       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   5.002     -0.3564       76.00       25.01       77.90       38.95          UL-RL  1.4958E+04  -4.100       0.000
1.000       1.000       25.01       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   5.363     -0.3511       79.80       26.81       81.70       40.85          UL-RL  1.4958E+04  -4.300       0.000
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1.000       1.000       26.81       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   5.723     -0.3460       83.60       28.61       83.72       45.74          UL-RL  1.4958E+04  -4.500       0.000
1.000       1.000       28.61       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   6.083     -0.3408       87.40       30.42       87.40       47.03          UL-RL  1.4958E+04  -4.700       0.000
1.000       1.000       30.42       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   6.443     -0.3355       91.20       32.22       91.20       48.32          UL-RL  1.4958E+04  -4.900       0.000
1.000       1.000       32.22       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   6.804     -0.3302       95.00       34.02       95.00       49.61          UL-RL  1.4958E+04  -5.100       0.000
1.000       1.000       34.02       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   7.164     -0.3249       98.80       35.82       98.80       50.89          UL-RL  1.4958E+04  -5.300       0.000
1.000       1.000       35.82       0.000       0.000       8.000       8.000     Ecla_20887_22088_L_0              0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   10.71     -0.3192       102.8       53.55       102.8       53.63          ACTIVE   0.000      -5.500       0.000
1.000       1.000       53.55       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   11.23     -0.3139       106.8       56.13       106.8       56.22          ACTIVE   0.000      -5.700       0.000
1.000       1.000       56.13       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   11.74     -0.3086       110.8       58.72       110.8       58.80          ACTIVE   0.000      -5.900       0.000
1.000       1.000       58.72       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   12.26     -0.3033       114.8       61.30       114.8       61.38          ACTIVE   0.000      -6.100       0.000
1.000       1.000       61.30       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   12.78     -0.2980       118.8       63.88       118.8       63.96          ACTIVE   0.000      -6.300       0.000
1.000       1.000       63.88       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   13.29     -0.2927       122.8       66.47       122.8       66.54          ACTIVE   0.000      -6.500       0.000
1.000       1.000       66.47       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   13.90     -0.2874       125.5       68.23       125.5       68.30          ACTIVE   0.000      -6.700       1.271
1.000       1.000       69.50       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   14.56     -0.2821       127.6       69.55       127.6       69.62          ACTIVE   0.000      -6.900       3.230
1.000       1.000       72.78       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   15.21     -0.2769       129.6       70.87       129.6       70.93          ACTIVE   0.000      -7.100       5.189
1.000       1.000       76.06       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   15.87     -0.2716       131.7       72.19       131.7       72.25          ACTIVE   0.000      -7.300       7.148
1.000       1.000       79.34       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   16.52     -0.2663       133.7       73.51       133.7       73.56          ACTIVE   0.000      -7.500       9.107
1.000       1.000       82.61       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   17.18     -0.2610       135.7       74.82       135.7       74.88          ACTIVE   0.000      -7.700       11.07
1.000       1.000       85.89       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   17.83     -0.2557       137.8       76.14       137.8       76.19          ACTIVE   0.000      -7.900       13.03
1.000       1.000       89.17       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   18.49     -0.2505       139.8       77.46       139.8       77.51          ACTIVE   0.000      -8.100       14.98
1.000       1.000       92.45       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   19.14     -0.2452       141.9       78.78       141.9       78.82          ACTIVE   0.000      -8.300       16.94
1.000       1.000       95.72       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   19.80     -0.2400       143.9       80.10       143.9       80.14          ACTIVE   0.000      -8.500       18.90
1.000       1.000       99.00       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   20.46     -0.2347       145.9       81.42       145.9       81.46          ACTIVE   0.000      -8.700       20.86
1.000       1.000       102.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   21.11     -0.2295       148.0       82.74       148.0       82.77          ACTIVE   0.000      -8.900       22.82
1.000       1.000       105.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   21.77     -0.2242       150.0       84.05       150.0       84.09          ACTIVE   0.000      -9.100       24.78
1.000       1.000       108.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   22.42     -0.2190       152.1       85.37       152.1       85.40          ACTIVE   0.000      -9.300       26.74
1.000       1.000       112.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   23.08     -0.2138       154.1       86.69       154.1       86.72          ACTIVE   0.000      -9.500       28.70
1.000       1.000       115.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   23.73     -0.2086       156.1       88.01       156.1       88.03          ACTIVE   0.000      -9.700       30.66
1.000       1.000       118.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   24.39     -0.2034       158.2       89.33       158.2       89.35          ACTIVE   0.000      -9.900       32.61
1.000       1.000       121.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   25.04     -0.1982       160.2       90.65       160.2       90.67          ACTIVE   0.000      -10.10       34.57
1.000       1.000       125.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   25.70     -0.1930       162.3       91.96       162.3       91.98          ACTIVE   0.000      -10.30       36.53
1.000       1.000       128.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   26.35     -0.1878       164.3       93.28       164.3       93.30          ACTIVE   0.000      -10.50       38.49
1.000       1.000       131.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   27.01     -0.1826       166.3       94.60       166.3       94.61          ACTIVE   0.000      -10.70       40.45
1.000       1.000       135.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   27.67     -0.1775       168.4       95.92       168.4       95.93          ACTIVE   0.000      -10.90       42.41
1.000       1.000       138.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   28.32     -0.1723       170.4       97.24       170.4       97.24          ACTIVE   0.000      -11.10       44.37
1.000       1.000       141.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   28.98     -0.1672       172.5       98.56       172.5       98.56          ACTIVE   0.000      -11.30       46.33
1.000       1.000       144.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   29.63     -0.1620       174.5       99.88       174.5       99.88          ACTIVE   0.000      -11.50       48.29
1.000       1.000       148.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   30.29     -0.1569       176.6       101.2       176.6       101.2          ACTIVE   0.000      -11.70       50.25
1.000       1.000       151.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   30.94     -0.1518       178.6       102.5       178.6       102.5          ACTIVE   0.000      -11.90       52.20
1.000       1.000       154.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   31.60     -0.1467       180.6       103.8       180.6       103.8          ACTIVE   0.000      -12.10       54.16
1.000       1.000       158.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   32.25     -0.1416       182.7       105.2       182.7       105.2          ACTIVE   0.000      -12.30       56.12
1.000       1.000       161.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   32.91     -0.1366       184.7       106.5       184.7       106.5          ACTIVE   0.000      -12.50       58.08
1.000       1.000       164.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   33.57     -0.1315       186.8       107.8       186.8       107.8          ACTIVE   0.000      -12.70       60.04
1.000       1.000       167.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   34.22     -0.1265       188.8       109.1       188.8       109.1          ACTIVE   0.000      -12.90       62.00
1.000       1.000       171.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   34.88     -0.1214       190.8       110.4       190.8       110.4          ACTIVE   0.000      -13.10       63.96
1.000       1.000       174.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   35.53     -0.1164       192.9       111.7       192.9       111.7          ACTIVE   0.000      -13.30       65.92
1.000       1.000       177.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   36.19     -0.1114       194.9       113.1       194.9       113.1          ACTIVE   0.000      -13.50       67.88
1.000       1.000       180.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   36.84     -0.1064       197.0       114.4       197.0       114.4          ACTIVE   0.000      -13.70       69.83
1.000       1.000       184.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   37.50     -0.1014       199.0       115.7       199.0       115.7          ACTIVE   0.000      -13.90       71.79
1.000       1.000       187.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   38.15     -9.6424E-02   201.0       117.0       201.0       117.0          ACTIVE   0.000      -14.10       73.75
1.000       1.000       190.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   38.81     -9.1461E-02   203.1       118.3       203.1       118.3          ACTIVE   0.000      -14.30       75.71
1.000       1.000       194.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  73 D   39.46     -8.6511E-02   205.1       119.7       205.1       119.7          ACTIVE   0.000      -14.50       77.67
1.000       1.000       197.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  74 D   40.12     -8.1572E-02   207.2       121.0       207.2       121.0          ACTIVE   0.000      -14.70       79.63
1.000       1.000       200.6       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  75 D   40.78     -7.6646E-02   209.2       122.3       209.2       122.3          ACTIVE   0.000      -14.90       81.59
1.000       1.000       203.9       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  76 D   41.43     -7.1731E-02   211.3       123.6       211.3       123.6          ACTIVE   0.000      -15.10       83.55
1.000       1.000       207.2       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  77 D   42.09     -6.6828E-02   213.3       124.9       213.3       124.9          ACTIVE   0.000      -15.30       85.51
1.000       1.000       210.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  78 D   42.74     -6.1936E-02   215.3       126.2       215.3       126.2          ACTIVE   0.000      -15.50       87.47
1.000       1.000       213.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  79 D   43.40     -5.7055E-02   217.4       127.6       217.4       127.6          ACTIVE   0.000      -15.70       89.42
1.000       1.000       217.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  80 D   44.05     -5.2185E-02   219.4       128.9       219.4       128.9          ACTIVE   0.000      -15.90       91.38
1.000       1.000       220.3       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  81 D   44.71     -4.7326E-02   221.5       130.2       221.5       130.7           UL-RL  1.0133E+05  -16.10       93.34
1.000       1.000       223.5       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  82 D   45.37     -4.2476E-02   223.5       131.5       223.5       133.3           UL-RL  1.0133E+05  -16.30       95.30
1.000       1.000       226.8       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  83 D   46.02     -3.7637E-02   225.5       132.8       225.5       135.8           UL-RL  1.0133E+05  -16.50       97.26
1.000       1.000       230.1       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
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0.0000      0.0000      0.0000      0.0000      0.0000
  84 D   46.68     -3.2806E-02   227.6       134.2       227.6       138.2          UL-RL  1.0133E+05  -16.70       99.22
1.000       1.000       233.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  85 D   47.34     -2.7984E-02   229.6       135.5       229.6       141.1          UL-RL  1.0133E+05  -16.90       101.2
1.000       1.000       236.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  86 D   48.01     -2.3170E-02   231.7       136.9       231.7       145.5          UL-RL  1.0133E+05  -17.10       103.1
1.000       1.000       240.0       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  87 D   48.68     -1.8363E-02   233.7       138.3       233.7       149.9          UL-RL  1.0133E+05  -17.30       105.1
1.000       1.000       243.4       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  88 D   49.34     -1.3563E-02   235.7       139.7       235.7       168.1          UL-RL  1.0133E+05  -17.50       107.1
1.000       1.000       246.7       0.000       0.000       8.000       8.000     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  89 D   31.10     -8.5538E-03   238.1       46.50       238.1       151.6          UL-RL  7.4312E+04  -17.70       109.0
1.000       1.000       155.5       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  90 D   31.76     -3.7624E-03   240.7       47.85       240.7       179.2          UL-RL  7.4312E+04  -17.90       111.0
1.000       1.000       158.8       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  91 D   32.43      1.0246E-03   243.4       49.20       243.4       234.5          UL-RL  7.4312E+04  -18.10       112.9
1.000       1.000       162.1       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  92 D   61.52      5.8079E-03   246.0       192.7       246.0       290.2          UL-RL  7.4312E+04  -18.30       114.9
1.000       1.000       307.6       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  93 D   98.60      1.0588E-02   248.7       376.2       248.7       378.0          UL-RL  7.4312E+04  -18.50       116.8
1.000       1.000       493.0       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  94 D   123.2      1.5367E-02   251.3       496.9       251.3       497.1          UL-RL  7.4312E+04  -18.70       118.8
1.000       1.000       615.8       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  95 D   147.5      2.0145E-02   253.9       616.6       253.9       616.8          UL-RL  7.4312E+04  -18.90       120.8
1.000       1.000       737.4       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  96 D   171.8      2.4922E-02   256.6       736.2       256.6       736.4          UL-RL  7.4312E+04  -19.10       122.7
1.000       1.000       859.0       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  97 D   98.05      2.9699E-02   259.2       855.9       259.2       856.0          UL-RL  7.4312E+04  -19.30       124.7
1.000       1.000       980.5       0.000       0.000       50.40       50.40     Sch_168_22092_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:41:02                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   97
C U R R E N T   T I M E   I S      7.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                             ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1     0.000         --          --          --          --          --         REMOVED     --      -0.1000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --         REMOVED     --      -0.3000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --         REMOVED     --      -0.5000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --         REMOVED     --      -0.7000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --         REMOVED     --      -0.9000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --         REMOVED     --       -1.100       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --         REMOVED     --       -1.300       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --         REMOVED     --       -1.500       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --         REMOVED     --       -1.700       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --         REMOVED     --       -1.900       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --         REMOVED     --       -2.100       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --         REMOVED     --       -2.300       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --         REMOVED     --       -2.500       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --         REMOVED     --       -2.700       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --         REMOVED     --       -2.900       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --         REMOVED     --       -3.100       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --         REMOVED     --       -3.300       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --         REMOVED     --       -3.500       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --         REMOVED     --       -3.700       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --         REMOVED     --       -3.900       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --         REMOVED     --       -4.100       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --         REMOVED     --       -4.300       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --         REMOVED     --       -4.500       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  24     0.000         --          --          --          --          --         REMOVED     --       -4.700       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  25     0.000         --          --          --          --          --         REMOVED     --       -4.900       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  26     0.000         --          --          --          --          --         REMOVED     --       -5.100       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  27     0.000         --          --          --          --          --         REMOVED     --       -5.300       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  28     0.000         --          --          --          --          --         REMOVED     --       -5.500       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  29     0.000         --          --          --          --          --         REMOVED     --       -5.700       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  30     0.000         --          --          --          --          --         REMOVED     --       -5.900       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  31     0.000         --          --          --          --          --         REMOVED     --       -6.100       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  32     0.000         --          --          --          --          --         REMOVED     --       -6.300       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
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  33     0.000         --          --          --          --          --          REMOVED     --        -6.500       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  34 D   6.187       0.2874       2.000       30.94       108.1       72.13          UL-RL  9.4603E+04  -6.700       0.000
1.000       1.000       30.94       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   8.207       0.2821       6.000       41.03       110.1       72.29          UL-RL  9.4603E+04  -6.900       0.000
1.000       1.000       41.03       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   10.16       0.2769       9.819       50.63       112.1       72.50          UL-RL  9.4603E+04  -7.100       0.1813
1.000       1.000       50.81       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   11.46       0.2716       11.78       55.09       114.0       72.76          UL-RL  9.4603E+04  -7.300       2.222
1.000       1.000       57.31       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   12.77       0.2663       13.74       59.59       116.0       73.08          UL-RL  9.4603E+04  -7.500       4.263
1.000       1.000       63.85       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   14.08       0.2610       15.70       64.12       118.0       73.45          UL-RL  9.4603E+04  -7.700       6.304
1.000       1.000       70.42       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   15.40       0.2557       17.65       68.66       120.0       75.40          PASSIVE   0.000     -7.900       8.346
1.000       1.000       77.01       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   16.72       0.2505       19.61       73.22       121.9       80.81          PASSIVE   0.000     -8.100       10.39
1.000       1.000       83.61       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   18.04       0.2452       21.57       77.78       123.9       86.23          PASSIVE   0.000     -8.300       12.43
1.000       1.000       90.21       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   19.36       0.2400       23.53       82.36       125.9       91.64          PASSIVE   0.000     -8.500       14.47
1.000       1.000       96.82       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   20.69       0.2347       25.49       86.93       127.9       97.06          PASSIVE   0.000     -8.700       16.51
1.000       1.000       103.4       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   22.01       0.2295       27.45       91.51       129.9       102.5          PASSIVE   0.000     -8.900       18.55
1.000       1.000       110.1       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   23.34       0.2242       29.41       96.10       131.8       107.9          PASSIVE   0.000     -9.100       20.59
1.000       1.000       116.7       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   24.66       0.2190       31.37       100.7       133.8       113.3          PASSIVE   0.000     -9.300       22.63
1.000       1.000       123.3       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   25.99       0.2138       33.33       105.3       135.8       118.7          PASSIVE   0.000     -9.500       24.67
1.000       1.000       129.9       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   27.32       0.2086       35.28       109.9       137.8       124.1          PASSIVE   0.000     -9.700       26.71
1.000       1.000       136.6       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   28.64       0.2034       37.24       114.5       139.7       129.5          PASSIVE   0.000     -9.900       28.76
1.000       1.000       143.2       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   29.97       0.1982       39.20       119.0       141.7       135.0          PASSIVE   0.000     -10.10       30.80
1.000       1.000       149.8       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   31.30       0.1930       41.16       123.6       143.7       140.4          PASSIVE   0.000     -10.30       32.84
1.000       1.000       156.5       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  53 D   32.62       0.1878       43.12       128.2       145.7       145.8          PASSIVE   0.000     -10.50       34.88
1.000       1.000       163.1       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   33.95       0.1826       45.08       132.8       147.6       151.2          PASSIVE   0.000     -10.70       36.92
1.000       1.000       169.8       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   35.28       0.1775       47.04       137.4       149.6       156.6          PASSIVE   0.000     -10.90       38.96
1.000       1.000       176.4       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   36.61       0.1723       49.00       142.0       151.6       162.0          PASSIVE   0.000     -11.10       41.00
1.000       1.000       183.0       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   37.93       0.1672       50.96       146.6       153.6       167.4          PASSIVE   0.000     -11.30       43.04
1.000       1.000       189.7       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   39.26       0.1620       52.92       151.2       155.5       172.9          PASSIVE   0.000     -11.50       45.08
1.000       1.000       196.3       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   40.59       0.1569       54.87       155.8       157.5       178.3          PASSIVE   0.000     -11.70       47.13
1.000       1.000       202.9       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   41.92       0.1518       56.83       160.4       159.5       183.7          PASSIVE   0.000     -11.90       49.17
1.000       1.000       209.6       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   43.25       0.1467       58.79       165.0       161.5       189.1          PASSIVE   0.000     -12.10       51.21
1.000       1.000       216.2       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   44.57       0.1416       60.75       169.6       163.5       194.5          PASSIVE   0.000     -12.30       53.25
1.000       1.000       222.9       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   45.90       0.1366       62.71       174.2       165.4       199.9          PASSIVE   0.000     -12.50       55.29
1.000       1.000       229.5       0.000       0.000       8.151       8.151     Salt_167_22090_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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64 D	47.23	0.1315	64.67	178.8	167.4	205.3	PASSIVE	0.000	-12.70	57.33	
1.000	1.000	236.2	0.000	0.000	8.151	8.151	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
65 D	48.56	0.1265	66.63	183.4	169.4	206.0	PASSIVE	0.000	-12.90	59.37	
1.000	1.000	242.8	0.000	0.000	8.151	8.151	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
66 D	49.89	0.1214	68.59	188.0	171.4	199.9	PASSIVE	0.000	-13.10	61.41	
1.000	1.000	249.4	0.000	0.000	8.151	8.151	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
67 D	51.22	0.1164	70.55	192.6	173.3	194.1	PASSIVE	0.000	-13.30	63.45	
1.000	1.000	256.1	0.000	0.000	8.151	8.151	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
68 D	52.54	0.1114	72.51	197.2	175.3	197.2	PASSIVE	0.000	-13.50	65.49	
1.000	1.000	262.7	0.000	0.000	8.151	8.151	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
69 D	53.87	0.1064	74.46	201.8	177.3	201.8	PASSIVE	0.000	-13.70	67.54	
1.000	1.000	269.4	0.000	0.000	8.151	8.151	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
70 D	55.20	0.1014	76.42	206.4	179.3	206.4	PASSIVE	0.000	-13.90	69.58	
1.000	1.000	276.0	0.000	0.000	8.151	8.151	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
71 D	56.53	9.6424E-02	78.38	211.0	181.2	211.0	PASSIVE	0.000	-14.10	71.62	
1.000	1.000	282.6	0.000	0.000	8.151	8.151	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
72 D	57.86	9.1461E-02	80.34	215.6	183.2	215.6	PASSIVE	0.000	-14.30	73.66	
1.000	1.000	289.3	0.000	0.000	8.151	8.151	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
73 D	59.19	8.6511E-02	82.30	220.2	185.2	220.2	PASSIVE	0.000	-14.50	75.70	
1.000	1.000	295.9	0.000	0.000	8.151	8.151	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
74 D	60.52	8.1572E-02	84.26	224.8	187.2	224.8	PASSIVE	0.000	-14.70	77.74	
1.000	1.000	302.6	0.000	0.000	8.151	8.151	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
75 D	61.84	7.6646E-02	86.22	229.4	189.2	229.4	PASSIVE	0.000	-14.90	79.78	
1.000	1.000	309.2	0.000	0.000	8.151	8.151	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
76 D	63.17	7.1731E-02	88.18	234.0	191.1	234.0	PASSIVE	0.000	-15.10	81.82	
1.000	1.000	315.9	0.000	0.000	8.151	8.151	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
77 D	64.50	6.6828E-02	90.14	238.6	193.1	238.6	PASSIVE	0.000	-15.30	83.86	
1.000	1.000	322.5	0.000	0.000	8.151	8.151	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
78 D	65.83	6.1936E-02	92.09	243.2	195.1	243.2	PASSIVE	0.000	-15.50	85.91	
1.000	1.000	329.2	0.000	0.000	8.151	8.151	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
79 D	67.16	5.7055E-02	94.05	247.9	197.1	247.9	PASSIVE	0.000	-15.70	87.95	
1.000	1.000	335.8	0.000	0.000	8.151	8.151	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
80 D	68.49	5.2185E-02	96.01	252.5	199.0	252.5	PASSIVE	0.000	-15.90	89.99	
1.000	1.000	342.4	0.000	0.000	8.151	8.151	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
81 D	69.82	4.7326E-02	97.97	257.1	201.0	257.1	UL-RL	9.4603E+04	-16.10	92.03	
1.000	1.000	349.1	0.000	0.000	8.151	8.151	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
82 D	71.15	4.2476E-02	99.93	261.7	203.0	261.7	UL-RL	9.4603E+04	-16.30	94.07	
1.000	1.000	355.7	0.000	0.000	8.151	8.151	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
83 D	72.47	3.7637E-02	101.9	266.3	205.0	266.3	UL-RL	9.4603E+04	-16.50	96.11	
1.000	1.000	362.4	0.000	0.000	8.151	8.151	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
84 D	73.80	3.2806E-02	103.8	270.9	206.9	270.9	UL-RL	9.4603E+04	-16.70	98.15	
1.000	1.000	369.0	0.000	0.000	8.151	8.151	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
85 D	75.13	2.7984E-02	105.8	275.4	208.9	275.5	UL-RL	9.4603E+04	-16.90	100.2	
1.000	1.000	375.6	0.000	0.000	8.151	8.151	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
86 D	76.44	2.3170E-02	107.8	280.0	210.9	280.1	UL-RL	9.4603E+04	-17.10	102.2	
1.000	1.000	382.2	0.000	0.000	8.151	8.151	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
87 D	77.76	1.8363E-02	109.7	284.5	212.9	284.7	UL-RL	9.4603E+04	-17.30	104.3	
1.000	1.000	388.8	0.000	0.000	8.151	8.151	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
88 D	79.07	1.3563E-02	111.7	289.1	214.9	289.3	UL-RL	9.4603E+04	-17.50	106.3	
1.000	1.000	395.4	0.000	0.000	8.151	8.151	Salt_167_22090_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
89 D	76.25	8.5538E-03	113.9	272.9	217.1	273.1	UL-RL	5.8773E+04	-17.70	108.4	
1.000	1.000	381.2	0.000	0.000	51.35	51.35	Sch_168_22092_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
90 D	62.21	3.7624E-03	116.5	200.6	219.7	200.9	UL-RL	5.8773E+04	-17.90	110.4	
1.000	1.000	311.0	0.000	0.000	51.35	51.35	Sch_168_22092_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
91 D	52.56	-1.0246E-03	119.1	150.4	222.3	150.6	UL-RL	5.8773E+04	-18.10	112.4	
1.000	1.000	262.8	0.000	0.000	51.35	51.35	Sch_168_22092_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
92 D	38.31	-5.8079E-03	121.6	77.08	224.9	112.5	UL-RL	5.8773E+04	-18.30	114.5	
1.000	1.000	191.6	0.000	0.000	51.35	51.35	Sch_168_22092_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
93 D	23.60	-1.0588E-02	124.2	1.454	227.4	113.7	UL-RL	5.8773E+04	-18.50	116.5	
1.000	1.000	118.0	0.000	0.000	51.35	51.35	Sch_168_22092_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
94 D	23.74	-1.5367E-02	126.7	0.1382	230.0	115.0	UL-RL	5.8773E+04	-18.70	118.6	
1.000	1.000	118.7	0.000	0.000	51.35	51.35	Sch_168_22092_L_0			0.0000	

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0.0000      0.0000      0.0000      0.0000      0.0000
  95 D   24.15     -2.0145E-02   129.3      0.1393       232.6       116.3          UL-RL  5.8773E+04  -18.90       120.6
1.000       1.000       120.7       0.000       0.000       51.35       51.35     Sch_168_22092_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  96 D   24.56     -2.4922E-02   131.9      0.1402       235.2       117.6          UL-RL  5.8773E+04  -19.10       122.6
1.000       1.000       122.8       0.000       0.000       51.35       51.35     Sch_168_22092_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  97 D   12.48     -2.9699E-02   134.4      0.1412       237.7       118.9          UL-RL  5.8773E+04  -19.30       124.7
1.000       1.000       124.8       0.000       0.000       51.35       51.35     Sch_168_22092_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_23099   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   96
C U R R E N T   T I M E   I S   7.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

EL	TA	TB	MA	MB
1	0.53758	-0.53758	-9.63016E-10	0.10752
2	1.6127	-1.6127	-0.10752	0.43006
3	2.6878	-2.6878	-0.43006	0.96763
4	3.7629	-3.7629	-0.96763	1.7202
5	4.8380	-4.8380	-1.7202	2.6878
6	5.9131	-5.9131	-2.6878	3.8704
7	6.9881	-6.9881	-3.8704	5.2681
8	8.3817	-8.3817	-5.2681	6.9444
9	10.136	-10.136	-6.9444	8.9715
10	12.250	-12.250	-8.9715	11.421
11	14.724	-14.724	-11.421	14.366
12	17.558	-17.558	-14.366	17.878
13	20.753	-20.753	-17.878	22.028
14	24.308	-24.308	-22.028	26.890
15	28.223	-28.223	-26.890	32.535
16	32.498	-32.498	-32.535	39.034
17	37.134	-37.134	-39.034	46.461
18	42.130	-42.130	-46.461	54.887
19	47.486	-47.486	-54.887	64.384
20	53.202	-53.202	-64.384	75.024
21	59.278	-59.278	-75.024	86.880
22	65.715	-65.715	-86.880	100.02
23	72.512	-72.512	-100.02	114.53
24	79.669	-79.669	-114.53	130.46
25	87.186	-87.186	-130.46	147.90
26	95.064	-95.064	-147.90	166.91
27	103.30	-103.30	-166.91	187.57
28	115.09	-115.09	-187.57	210.59
29	127.39	-127.39	-210.59	236.06
30	140.21	-140.21	-236.06	264.11
31	153.54	-153.54	-264.11	294.81
32	167.39	-167.39	-294.81	328.29
33	181.49	-181.49	-328.29	364.59
34	189.21	-189.21	-364.59	402.43
35	195.56	-195.56	-402.43	441.54
36	200.61	-200.61	-441.54	481.66
37	205.01	-205.01	-481.66	522.67
38	208.76	-208.76	-522.67	564.42
39	211.86	-211.86	-564.42	606.79
40	214.29	-214.29	-606.79	649.65
41	216.06	-216.06	-649.65	692.86
42	217.16	-217.16	-692.86	736.29
43	217.59	-217.59	-736.29	779.81
44	217.35	-217.35	-779.81	823.28
45	216.45	-216.45	-823.28	866.57
46	214.87	-214.87	-866.57	909.54
47	212.63	-212.63	-909.54	952.07
48	209.71	-209.71	-952.07	994.01
49	206.12	-206.12	-994.01	1035.2
50	201.86	-201.86	-1035.2	1075.6
51	196.93	-196.93	-1075.6	1115.0
52	191.32	-191.32	-1115.0	1153.3
53	185.04	-185.04	-1153.3	1190.3
54	178.09	-178.09	-1190.3	1225.9
55	170.46	-170.46	-1225.9	1260.0
56	162.16	-162.16	-1260.0	1292.4
57	153.19	-153.19	-1292.4	1323.0
58	143.56	-143.56	-1323.0	1351.8
59	133.26	-133.26	-1351.8	1378.4
60	122.29	-122.29	-1378.4	1402.9
61	110.64	-110.64	-1402.9	1425.0
62	98.322	-98.322	-1425.0	1444.7
63	85.330	-85.330	-1444.7	1461.7
64	71.665	-71.665	-1461.7	1476.1
65	57.327	-57.327	-1476.1	1487.5
66	42.317	-42.317	-1487.5	1496.0
67	26.633	-26.633	-1496.0	1501.3
68	10.277	-10.277	-1501.3	1503.4
69	-6.7530	6.7530	-1503.4	1502.0
70	-24.456	24.456	-1502.0	1497.1

71	-42.832	42.832	-1497.1	1488.6
72	-61.881	61.881	-1488.6	1476.2
73	-81.603	81.603	-1476.2	1459.9
74	-102.00	102.00	-1459.9	1439.5
75	-123.07	123.07	-1439.5	1414.9
76	-144.81	144.81	-1414.9	1385.9
77	-167.22	167.22	-1385.9	1352.4
78	-190.31	190.31	-1352.4	1314.4
79	-214.07	214.07	-1314.4	1271.6
80	-238.51	238.51	-1271.6	1223.9
81	-263.62	263.62	-1223.9	1171.1
82	-289.40	289.40	-1171.1	1113.3
83	-315.85	315.85	-1113.3	1050.1
84	-342.98	342.98	-1050.1	981.50
85	-370.78	370.78	-981.50	907.34
86	-399.21	399.21	-907.34	827.50
87	-428.30	428.30	-827.50	741.84
88	-458.03	458.03	-741.84	650.23
89	-503.17	503.17	-650.23	549.59
90	-533.62	533.62	-549.59	442.87
91	-553.75	553.75	-442.87	332.12
92	-530.55	530.55	-332.12	226.01
93	-455.54	455.54	-226.01	134.90
94	-356.13	356.13	-134.90	63.675
95	-232.81	232.81	-63.675	17.114
96	-85.572	85.572	-17.114	-2.85536E-10

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                Exe Time :27 January 2022   16:41:02                                                   |
+-----------------------------------------------------------------------------------------------------------------------+


     F I N A L    I N C R E M E N T A L    A N A L Y S I S

                    S U M M A R Y

     STEP                                  NO. OF ITERATIONS

        1           CONVERGENCE :YES                       3
        2           CONVERGENCE :YES                       2
        3           CONVERGENCE :YES                       2
        4           CONVERGENCE :YES                       4
        5           CONVERGENCE :YES                       5
        6           CONVERGENCE :YES                       7
        7           CONVERGENCE :YES                      10


 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....    0.11 [sec]
DATABASE  CREATION CPU TIME.....    0.40 [sec]
```

PARATIE plus™

Report di Calcolo

Sommario
Contenuto Sommario

1. Descrizione del Software

ParatiePlus è un codice agli elementi finiti che simula il problema di uno scavo sostenuto da diaframmi flessibili e permette di valutare il comportamento della parete di sostegno durante tutte le fasi intermedie e nella configurazione finale.

2. Descrizione della Stratigrafia e degli Strati di Terreno

Tipo : POLYLINE
Punti
(-22.6;5.8)
(-17.3;4.7)
(-9.8;2.7)
(-1.9;0.7)
(0;0)
(7.4;-2.4)
(13.2;-4.33)
(16.2;-5.11)
(17;-5.7)
(22.2;-9.7)
(35.8;-9.3)
(37.4;-9.5)
(37.4;-30)
(-22.6;-30)
OCR : 1

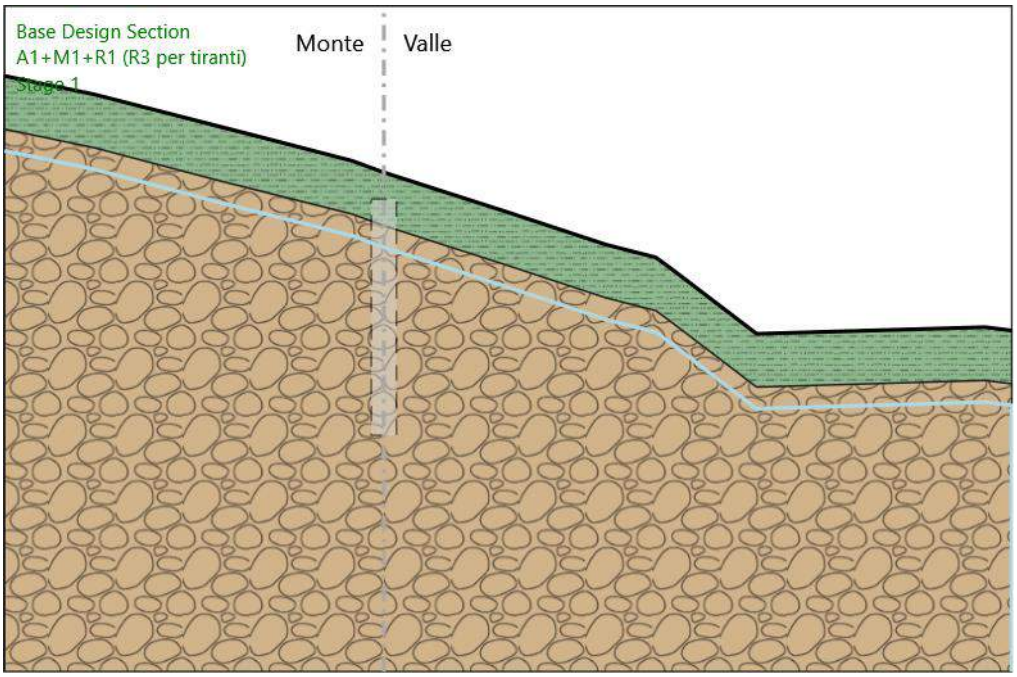
Tipo : POLYLINE
Punti
(-22.6;2.6)
(-17.3;1.5)
(-9.8;-0.5)
(-1.9;-2.5)
(0;-3.2)
(7.4;-5.6)
(13.2;-7.53)
(16.2;-8.31)
(17;-8.9)
(22.2;-12.9)
(35.8;-12.5)
(37.4;-12.7)
(37.4;-30)
(-22.6;-30)
OCR : 1

3. Descrizione Pareti

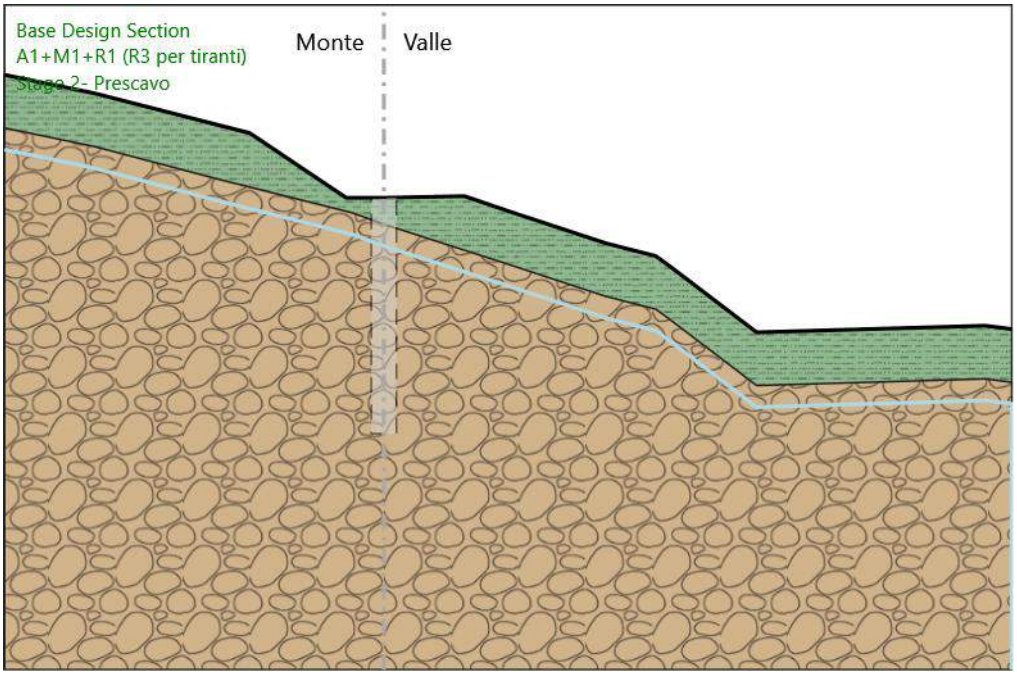
X : 0 m
Quota in alto : -1.6 m
Quota di fondo : -15.8 m
Muro di sinistra

4. Fasi di Calcolo

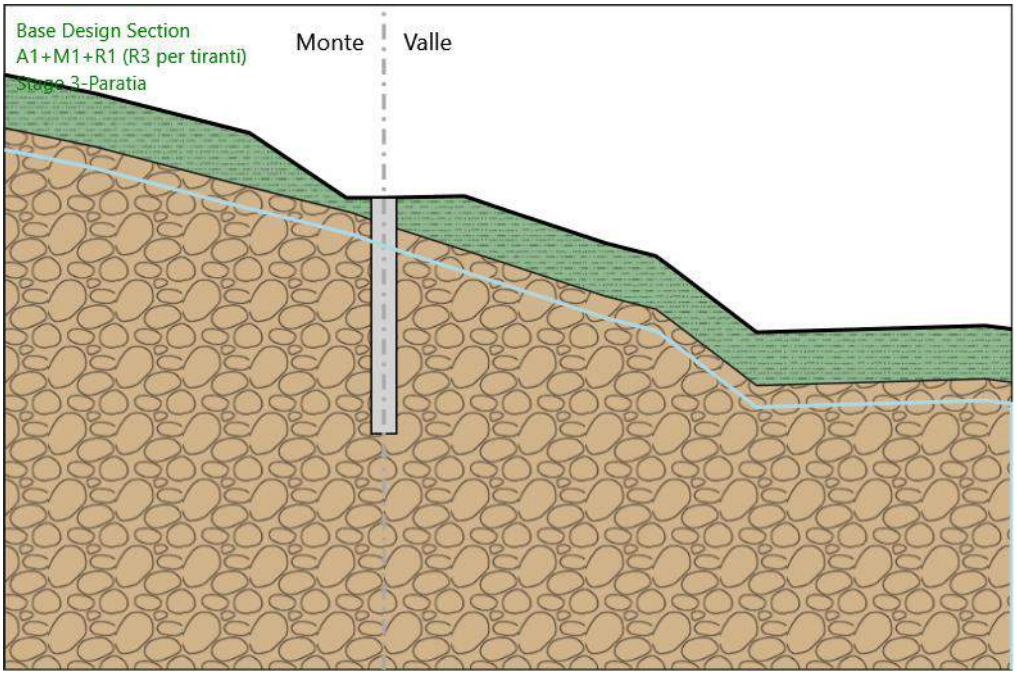
4.1. Stage 1



4.2. Stage 2- Prescavo



4.3. Stage 3-Paratia



Stage 3-Paratia

Elementi strutturali

Paratia : WallElement

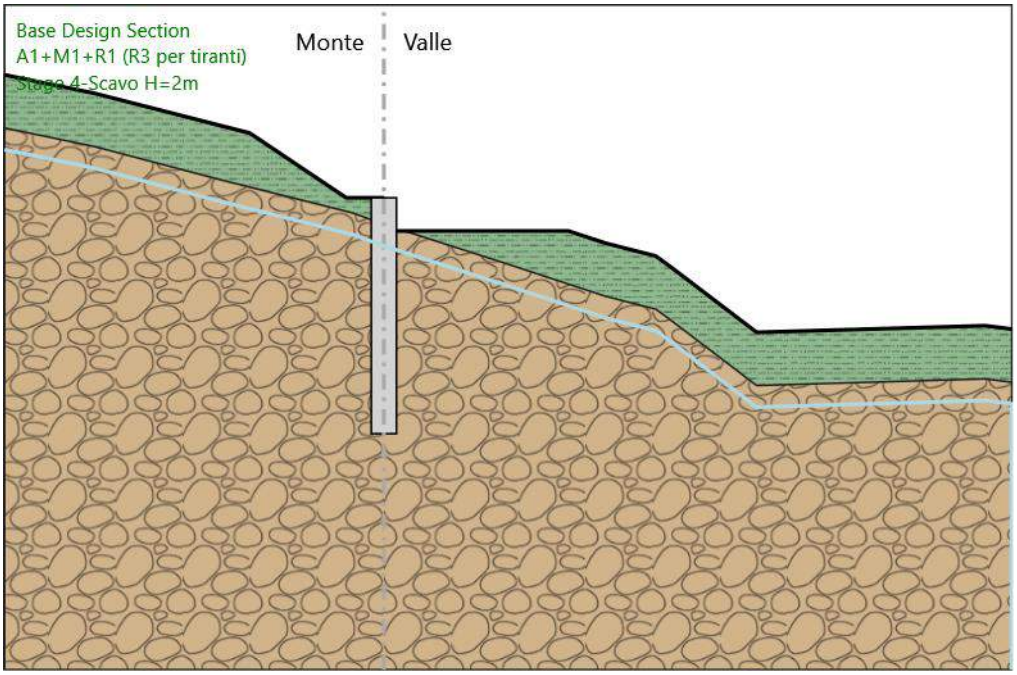
X : 0 m

Quota in alto : -1.6 m

Quota di fondo : -15.8 m

Sezione : Pali1500

4.4. Stage 4-Scavo H=2m



Stage 4-Scavo H=2m

Elementi strutturali

Paratia : WallElement

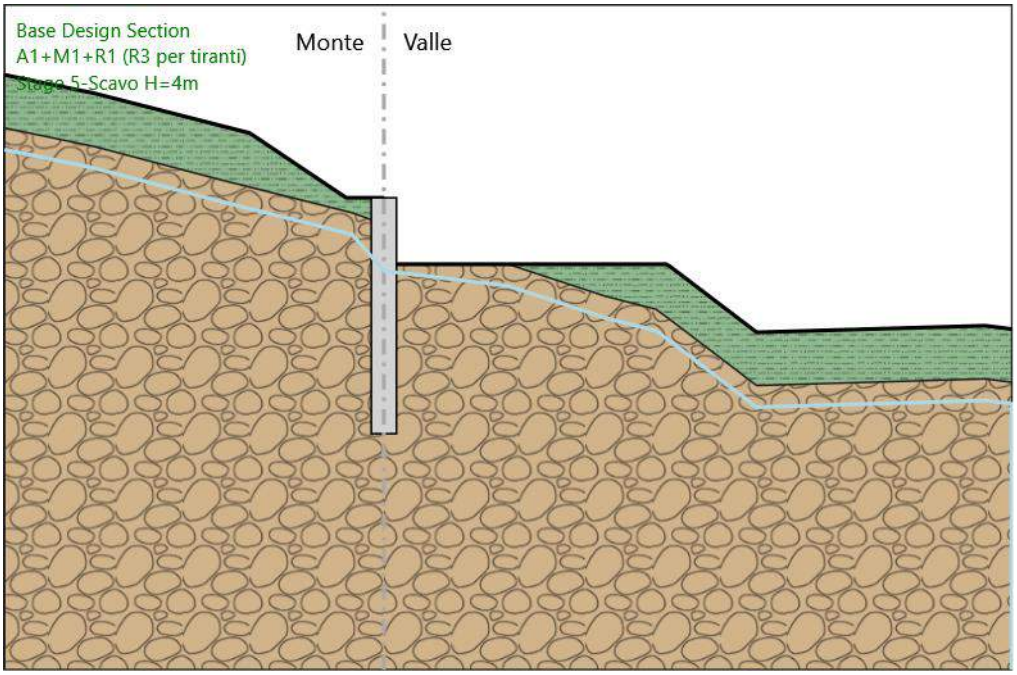
X : 0 m

Quota in alto : -1.6 m

Quota di fondo : -15.8 m

Sezione : Pali1500

4.5. Stage 5-Scavo H=4m



Stage 5-Scavo H=4m

Elementi strutturali

Paratia : WallElement

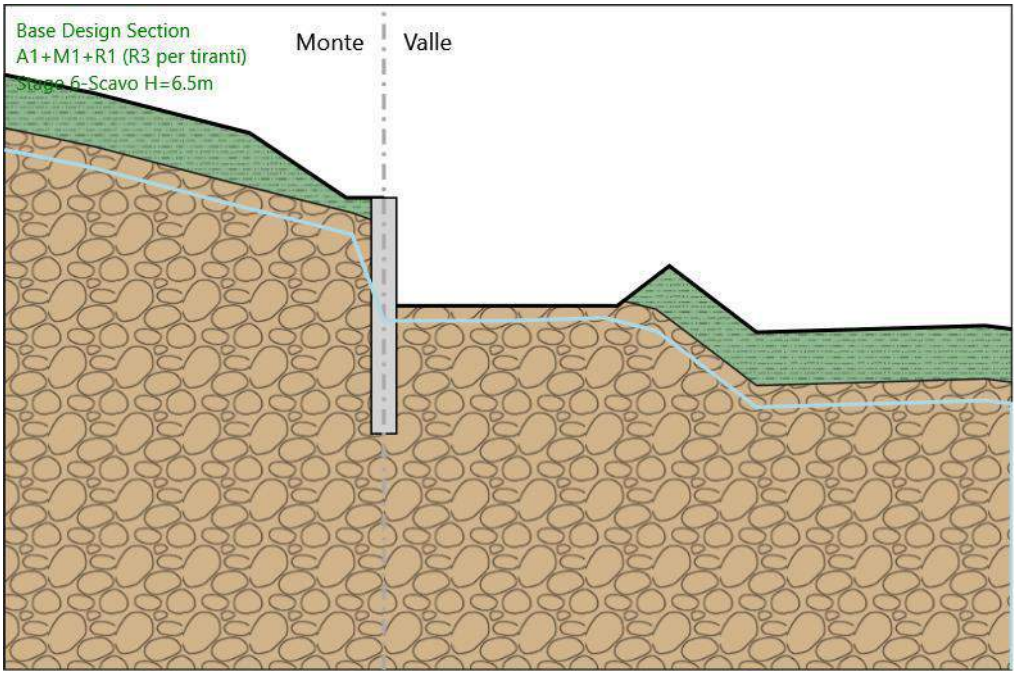
X : 0 m

Quota in alto : -1.6 m

Quota di fondo : -15.8 m

Sezione : Pali1500

4.6. Stage 6-Scavo H=6.5m



Stage 6-Scavo H=6.5m

Elementi strutturali

Paratia : WallElement

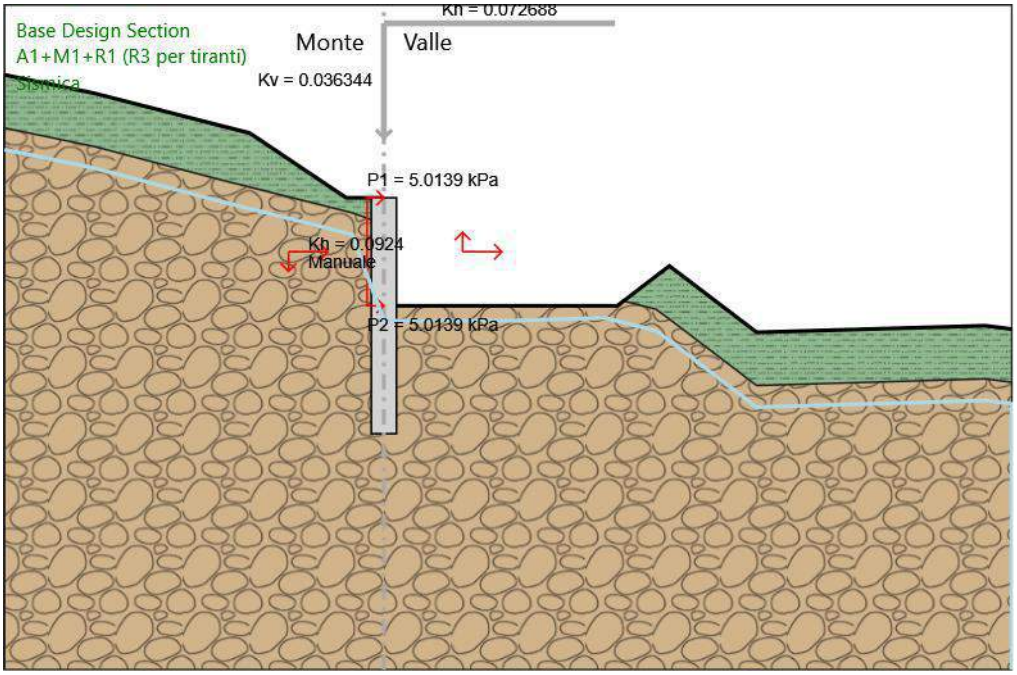
X : 0 m

Quota in alto : -1.6 m

Quota di fondo : -15.8 m

Sezione : Pali1500

4.7. Sismica



Sismica

Elementi strutturali

Paratia : WallElement

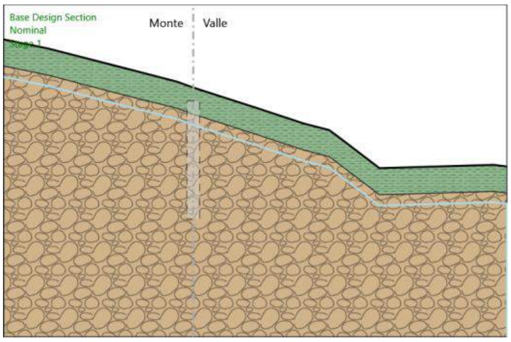
X : 0 m

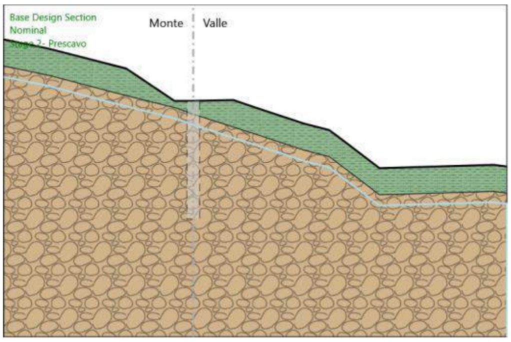
Quota in alto : -1.6 m

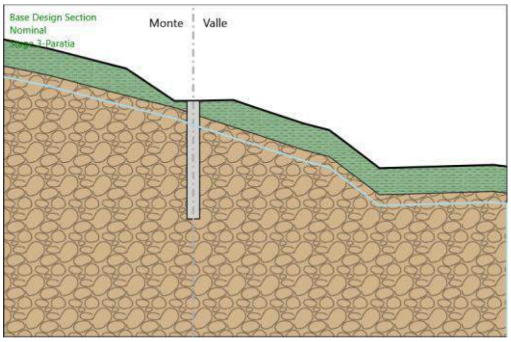
Quota di fondo : -15.8 m

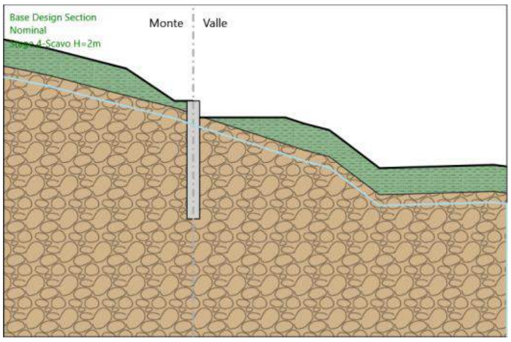
Sezione : Pali1500

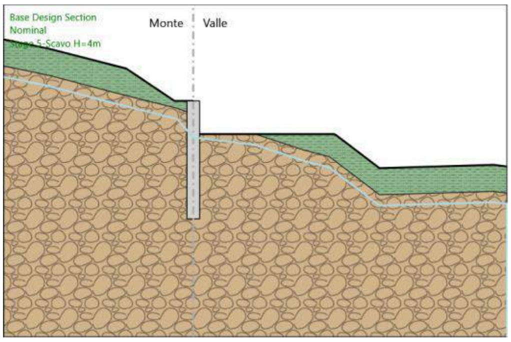
4.8. Tabella Configurazione Stage (Nominal)

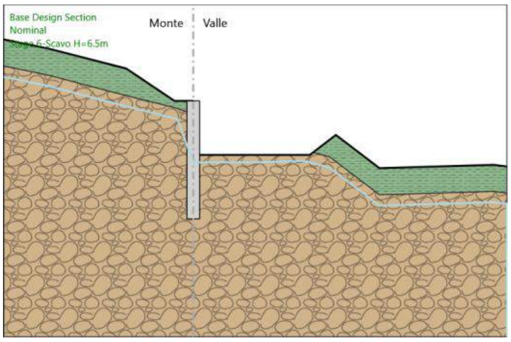


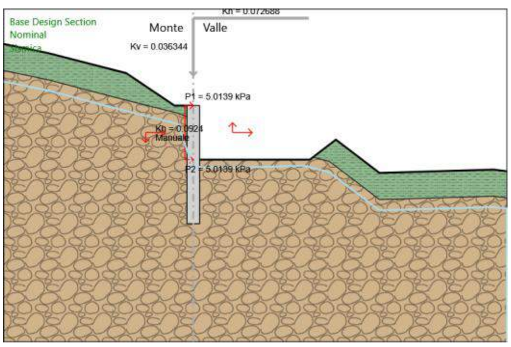












5. Grafici dei Risultati

5.1. Design Assumption : Nominal

5.1.1. Tabella Spostamento Nominal - LEFT Stage: Stage 1

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 1	-1.6	0
Stage 1	-1.8	0
Stage 1	-2	0
Stage 1	-2.2	0
Stage 1	-2.4	0
Stage 1	-2.6	0
Stage 1	-2.8	0
Stage 1	-3	0
Stage 1	-3.2	0
Stage 1	-3.4	0
Stage 1	-3.6	0
Stage 1	-3.8	0
Stage 1	-4	0
Stage 1	-4.2	0
Stage 1	-4.4	0
Stage 1	-4.6	0
Stage 1	-4.8	0
Stage 1	-5	0
Stage 1	-5.2	0
Stage 1	-5.4	0
Stage 1	-5.6	0
Stage 1	-5.8	0
Stage 1	-6	0
Stage 1	-6.2	0
Stage 1	-6.4	0
Stage 1	-6.6	0
Stage 1	-6.8	0
Stage 1	-7	0
Stage 1	-7.2	0
Stage 1	-7.4	0
Stage 1	-7.6	0
Stage 1	-7.8	0
Stage 1	-8	0
Stage 1	-8.2	0
Stage 1	-8.4	0
Stage 1	-8.6	0
Stage 1	-8.8	0
Stage 1	-9	0
Stage 1	-9.2	0
Stage 1	-9.4	0
Stage 1	-9.6	0
Stage 1	-9.8	0
Stage 1	-10	0
Stage 1	-10.2	0
Stage 1	-10.4	0
Stage 1	-10.6	0
Stage 1	-10.8	0
Stage 1	-11	0
Stage 1	-11.2	0
Stage 1	-11.4	0
Stage 1	-11.6	0
Stage 1	-11.8	0
Stage 1	-12	0
Stage 1	-12.2	0
Stage 1	-12.4	0
Stage 1	-12.6	0
Stage 1	-12.8	0
Stage 1	-13	0
Stage 1	-13.2	0
Stage 1	-13.4	0
Stage 1	-13.6	0

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 1	-13.8	0
Stage 1	-14	0
Stage 1	-14.2	0
Stage 1	-14.4	0
Stage 1	-14.6	0
Stage 1	-14.8	0
Stage 1	-15	0
Stage 1	-15.2	0
Stage 1	-15.4	0
Stage 1	-15.6	0
Stage 1	-15.8	0

5.1.2. Tabella Spostamento Nominal - LEFT Stage: Stage 2- Prescavo

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 2- Prescavo	-1.6	0
Stage 2- Prescavo	-1.8	0
Stage 2- Prescavo	-2	0
Stage 2- Prescavo	-2.2	0
Stage 2- Prescavo	-2.4	0
Stage 2- Prescavo	-2.6	0
Stage 2- Prescavo	-2.8	0
Stage 2- Prescavo	-3	0
Stage 2- Prescavo	-3.2	0
Stage 2- Prescavo	-3.4	0
Stage 2- Prescavo	-3.6	0
Stage 2- Prescavo	-3.8	0
Stage 2- Prescavo	-4	0
Stage 2- Prescavo	-4.2	0
Stage 2- Prescavo	-4.4	0
Stage 2- Prescavo	-4.6	0
Stage 2- Prescavo	-4.8	0
Stage 2- Prescavo	-5	0
Stage 2- Prescavo	-5.2	0
Stage 2- Prescavo	-5.4	0
Stage 2- Prescavo	-5.6	0
Stage 2- Prescavo	-5.8	0
Stage 2- Prescavo	-6	0
Stage 2- Prescavo	-6.2	0
Stage 2- Prescavo	-6.4	0
Stage 2- Prescavo	-6.6	0
Stage 2- Prescavo	-6.8	0
Stage 2- Prescavo	-7	0
Stage 2- Prescavo	-7.2	0
Stage 2- Prescavo	-7.4	0
Stage 2- Prescavo	-7.6	0
Stage 2- Prescavo	-7.8	0
Stage 2- Prescavo	-8	0
Stage 2- Prescavo	-8.2	0
Stage 2- Prescavo	-8.4	0
Stage 2- Prescavo	-8.6	0
Stage 2- Prescavo	-8.8	0
Stage 2- Prescavo	-9	0
Stage 2- Prescavo	-9.2	0
Stage 2- Prescavo	-9.4	0
Stage 2- Prescavo	-9.6	0
Stage 2- Prescavo	-9.8	0
Stage 2- Prescavo	-10	0
Stage 2- Prescavo	-10.2	0
Stage 2- Prescavo	-10.4	0
Stage 2- Prescavo	-10.6	0
Stage 2- Prescavo	-10.8	0
Stage 2- Prescavo	-11	0
Stage 2- Prescavo	-11.2	0
Stage 2- Prescavo	-11.4	0
Stage 2- Prescavo	-11.6	0
Stage 2- Prescavo	-11.8	0
Stage 2- Prescavo	-12	0
Stage 2- Prescavo	-12.2	0
Stage 2- Prescavo	-12.4	0
Stage 2- Prescavo	-12.6	0
Stage 2- Prescavo	-12.8	0
Stage 2- Prescavo	-13	0
Stage 2- Prescavo	-13.2	0
Stage 2- Prescavo	-13.4	0
Stage 2- Prescavo	-13.6	0
Stage 2- Prescavo	-13.8	0
Stage 2- Prescavo	-14	0
Stage 2- Prescavo	-14.2	0
Stage 2- Prescavo	-14.4	0
Stage 2- Prescavo	-14.6	0
Stage 2- Prescavo	-14.8	0

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 2- Prescavo	-15	0
Stage 2- Prescavo	-15.2	0
Stage 2- Prescavo	-15.4	0
Stage 2- Prescavo	-15.6	0
Stage 2- Prescavo	-15.8	0

5.1.3. Tabella Spostamento Nominal - LEFT Stage: Stage 3-Paratia

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 3-Paratia	-1.6	0
Stage 3-Paratia	-1.8	0
Stage 3-Paratia	-2	0
Stage 3-Paratia	-2.2	0
Stage 3-Paratia	-2.4	0
Stage 3-Paratia	-2.6	0
Stage 3-Paratia	-2.8	0
Stage 3-Paratia	-3	0
Stage 3-Paratia	-3.2	0
Stage 3-Paratia	-3.4	0
Stage 3-Paratia	-3.6	0
Stage 3-Paratia	-3.8	0
Stage 3-Paratia	-4	0
Stage 3-Paratia	-4.2	0
Stage 3-Paratia	-4.4	0
Stage 3-Paratia	-4.6	0
Stage 3-Paratia	-4.8	0
Stage 3-Paratia	-5	0
Stage 3-Paratia	-5.2	0
Stage 3-Paratia	-5.4	0
Stage 3-Paratia	-5.6	0
Stage 3-Paratia	-5.8	0
Stage 3-Paratia	-6	0
Stage 3-Paratia	-6.2	0
Stage 3-Paratia	-6.4	0
Stage 3-Paratia	-6.6	0
Stage 3-Paratia	-6.8	0
Stage 3-Paratia	-7	0
Stage 3-Paratia	-7.2	0
Stage 3-Paratia	-7.4	0
Stage 3-Paratia	-7.6	0
Stage 3-Paratia	-7.8	0
Stage 3-Paratia	-8	0
Stage 3-Paratia	-8.2	0
Stage 3-Paratia	-8.4	0
Stage 3-Paratia	-8.6	0
Stage 3-Paratia	-8.8	0
Stage 3-Paratia	-9	0
Stage 3-Paratia	-9.2	0
Stage 3-Paratia	-9.4	0
Stage 3-Paratia	-9.6	0
Stage 3-Paratia	-9.8	0
Stage 3-Paratia	-10	0
Stage 3-Paratia	-10.2	0
Stage 3-Paratia	-10.4	0
Stage 3-Paratia	-10.6	0
Stage 3-Paratia	-10.8	0
Stage 3-Paratia	-11	0
Stage 3-Paratia	-11.2	0
Stage 3-Paratia	-11.4	0
Stage 3-Paratia	-11.6	0
Stage 3-Paratia	-11.8	0
Stage 3-Paratia	-12	0
Stage 3-Paratia	-12.2	0
Stage 3-Paratia	-12.4	0
Stage 3-Paratia	-12.6	0
Stage 3-Paratia	-12.8	0
Stage 3-Paratia	-13	0
Stage 3-Paratia	-13.2	0
Stage 3-Paratia	-13.4	0
Stage 3-Paratia	-13.6	0
Stage 3-Paratia	-13.8	0
Stage 3-Paratia	-14	0
Stage 3-Paratia	-14.2	0
Stage 3-Paratia	-14.4	0
Stage 3-Paratia	-14.6	0
Stage 3-Paratia	-14.8	0

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 3-Paratia	-15	0
Stage 3-Paratia	-15.2	0
Stage 3-Paratia	-15.4	0
Stage 3-Paratia	-15.6	0
Stage 3-Paratia	-15.8	0

5.1.4. Tabella Spostamento Nominal - LEFT Stage: Stage 4-Scavo H=2m

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 4-Scavo H=2m	-1.6	0.06
Stage 4-Scavo H=2m	-1.8	0.06
Stage 4-Scavo H=2m	-2	0.06
Stage 4-Scavo H=2m	-2.2	0.06
Stage 4-Scavo H=2m	-2.4	0.06
Stage 4-Scavo H=2m	-2.6	0.06
Stage 4-Scavo H=2m	-2.8	0.06
Stage 4-Scavo H=2m	-3	0.05
Stage 4-Scavo H=2m	-3.2	0.05
Stage 4-Scavo H=2m	-3.4	0.05
Stage 4-Scavo H=2m	-3.6	0.05
Stage 4-Scavo H=2m	-3.8	0.05
Stage 4-Scavo H=2m	-4	0.05
Stage 4-Scavo H=2m	-4.2	0.05
Stage 4-Scavo H=2m	-4.4	0.05
Stage 4-Scavo H=2m	-4.6	0.05
Stage 4-Scavo H=2m	-4.8	0.05
Stage 4-Scavo H=2m	-5	0.04
Stage 4-Scavo H=2m	-5.2	0.04
Stage 4-Scavo H=2m	-5.4	0.04
Stage 4-Scavo H=2m	-5.6	0.04
Stage 4-Scavo H=2m	-5.8	0.04
Stage 4-Scavo H=2m	-6	0.04
Stage 4-Scavo H=2m	-6.2	0.04
Stage 4-Scavo H=2m	-6.4	0.04
Stage 4-Scavo H=2m	-6.6	0.04
Stage 4-Scavo H=2m	-6.8	0.04
Stage 4-Scavo H=2m	-7	0.04
Stage 4-Scavo H=2m	-7.2	0.03
Stage 4-Scavo H=2m	-7.4	0.03
Stage 4-Scavo H=2m	-7.6	0.03
Stage 4-Scavo H=2m	-7.8	0.03
Stage 4-Scavo H=2m	-8	0.03
Stage 4-Scavo H=2m	-8.2	0.03
Stage 4-Scavo H=2m	-8.4	0.03
Stage 4-Scavo H=2m	-8.6	0.03
Stage 4-Scavo H=2m	-8.8	0.03
Stage 4-Scavo H=2m	-9	0.03
Stage 4-Scavo H=2m	-9.2	0.03
Stage 4-Scavo H=2m	-9.4	0.03
Stage 4-Scavo H=2m	-9.6	0.03
Stage 4-Scavo H=2m	-9.8	0.03
Stage 4-Scavo H=2m	-10	0.03
Stage 4-Scavo H=2m	-10.2	0.03
Stage 4-Scavo H=2m	-10.4	0.03
Stage 4-Scavo H=2m	-10.6	0.03
Stage 4-Scavo H=2m	-10.8	0.03
Stage 4-Scavo H=2m	-11	0.03
Stage 4-Scavo H=2m	-11.2	0.03
Stage 4-Scavo H=2m	-11.4	0.03
Stage 4-Scavo H=2m	-11.6	0.03
Stage 4-Scavo H=2m	-11.8	0.03
Stage 4-Scavo H=2m	-12	0.03
Stage 4-Scavo H=2m	-12.2	0.03
Stage 4-Scavo H=2m	-12.4	0.03
Stage 4-Scavo H=2m	-12.6	0.03
Stage 4-Scavo H=2m	-12.8	0.03
Stage 4-Scavo H=2m	-13	0.03
Stage 4-Scavo H=2m	-13.2	0.03
Stage 4-Scavo H=2m	-13.4	0.03
Stage 4-Scavo H=2m	-13.6	0.03
Stage 4-Scavo H=2m	-13.8	0.03
Stage 4-Scavo H=2m	-14	0.03
Stage 4-Scavo H=2m	-14.2	0.03
Stage 4-Scavo H=2m	-14.4	0.03
Stage 4-Scavo H=2m	-14.6	0.03
Stage 4-Scavo H=2m	-14.8	0.03

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 4-Scavo H=2m	-15	0.03
Stage 4-Scavo H=2m	-15.2	0.03
Stage 4-Scavo H=2m	-15.4	0.03
Stage 4-Scavo H=2m	-15.6	0.03
Stage 4-Scavo H=2m	-15.8	0.03

5.1.5. Tabella Spostamento Nominal - LEFT Stage: Stage 5-Scavo H=4m

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 5-Scavo H=4m	-1.6	0.28
Stage 5-Scavo H=4m	-1.8	0.27
Stage 5-Scavo H=4m	-2	0.27
Stage 5-Scavo H=4m	-2.2	0.26
Stage 5-Scavo H=4m	-2.4	0.26
Stage 5-Scavo H=4m	-2.6	0.25
Stage 5-Scavo H=4m	-2.8	0.25
Stage 5-Scavo H=4m	-3	0.24
Stage 5-Scavo H=4m	-3.2	0.24
Stage 5-Scavo H=4m	-3.4	0.23
Stage 5-Scavo H=4m	-3.6	0.23
Stage 5-Scavo H=4m	-3.8	0.23
Stage 5-Scavo H=4m	-4	0.22
Stage 5-Scavo H=4m	-4.2	0.22
Stage 5-Scavo H=4m	-4.4	0.21
Stage 5-Scavo H=4m	-4.6	0.21
Stage 5-Scavo H=4m	-4.8	0.21
Stage 5-Scavo H=4m	-5	0.2
Stage 5-Scavo H=4m	-5.2	0.2
Stage 5-Scavo H=4m	-5.4	0.19
Stage 5-Scavo H=4m	-5.6	0.19
Stage 5-Scavo H=4m	-5.8	0.18
Stage 5-Scavo H=4m	-6	0.18
Stage 5-Scavo H=4m	-6.2	0.17
Stage 5-Scavo H=4m	-6.4	0.17
Stage 5-Scavo H=4m	-6.6	0.16
Stage 5-Scavo H=4m	-6.8	0.16
Stage 5-Scavo H=4m	-7	0.15
Stage 5-Scavo H=4m	-7.2	0.15
Stage 5-Scavo H=4m	-7.4	0.15
Stage 5-Scavo H=4m	-7.6	0.14
Stage 5-Scavo H=4m	-7.8	0.14
Stage 5-Scavo H=4m	-8	0.14
Stage 5-Scavo H=4m	-8.2	0.13
Stage 5-Scavo H=4m	-8.4	0.13
Stage 5-Scavo H=4m	-8.6	0.13
Stage 5-Scavo H=4m	-8.8	0.12
Stage 5-Scavo H=4m	-9	0.12
Stage 5-Scavo H=4m	-9.2	0.12
Stage 5-Scavo H=4m	-9.4	0.12
Stage 5-Scavo H=4m	-9.6	0.12
Stage 5-Scavo H=4m	-9.8	0.11
Stage 5-Scavo H=4m	-10	0.11
Stage 5-Scavo H=4m	-10.2	0.11
Stage 5-Scavo H=4m	-10.4	0.11
Stage 5-Scavo H=4m	-10.6	0.11
Stage 5-Scavo H=4m	-10.8	0.1
Stage 5-Scavo H=4m	-11	0.1
Stage 5-Scavo H=4m	-11.2	0.1
Stage 5-Scavo H=4m	-11.4	0.1
Stage 5-Scavo H=4m	-11.6	0.1
Stage 5-Scavo H=4m	-11.8	0.1
Stage 5-Scavo H=4m	-12	0.1
Stage 5-Scavo H=4m	-12.2	0.1
Stage 5-Scavo H=4m	-12.4	0.1
Stage 5-Scavo H=4m	-12.6	0.1
Stage 5-Scavo H=4m	-12.8	0.09
Stage 5-Scavo H=4m	-13	0.09
Stage 5-Scavo H=4m	-13.2	0.09
Stage 5-Scavo H=4m	-13.4	0.09
Stage 5-Scavo H=4m	-13.6	0.09
Stage 5-Scavo H=4m	-13.8	0.09
Stage 5-Scavo H=4m	-14	0.09
Stage 5-Scavo H=4m	-14.2	0.09
Stage 5-Scavo H=4m	-14.4	0.09
Stage 5-Scavo H=4m	-14.6	0.09
Stage 5-Scavo H=4m	-14.8	0.09

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 5-Scavo H=4m	-15	0.09
Stage 5-Scavo H=4m	-15.2	0.09
Stage 5-Scavo H=4m	-15.4	0.09
Stage 5-Scavo H=4m	-15.6	0.09
Stage 5-Scavo H=4m	-15.8	0.09

5.1.6. Tabella Spostamento Nominal - LEFT Stage: Stage 6-Scavo H=6.5m

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 6-Scavo H=6.5m	-1.6	0.75
Stage 6-Scavo H=6.5m	-1.8	0.74
Stage 6-Scavo H=6.5m	-2	0.73
Stage 6-Scavo H=6.5m	-2.2	0.72
Stage 6-Scavo H=6.5m	-2.4	0.71
Stage 6-Scavo H=6.5m	-2.6	0.7
Stage 6-Scavo H=6.5m	-2.8	0.69
Stage 6-Scavo H=6.5m	-3	0.68
Stage 6-Scavo H=6.5m	-3.2	0.67
Stage 6-Scavo H=6.5m	-3.4	0.66
Stage 6-Scavo H=6.5m	-3.6	0.65
Stage 6-Scavo H=6.5m	-3.8	0.64
Stage 6-Scavo H=6.5m	-4	0.63
Stage 6-Scavo H=6.5m	-4.2	0.62
Stage 6-Scavo H=6.5m	-4.4	0.62
Stage 6-Scavo H=6.5m	-4.6	0.61
Stage 6-Scavo H=6.5m	-4.8	0.6
Stage 6-Scavo H=6.5m	-5	0.59
Stage 6-Scavo H=6.5m	-5.2	0.58
Stage 6-Scavo H=6.5m	-5.4	0.57
Stage 6-Scavo H=6.5m	-5.6	0.56
Stage 6-Scavo H=6.5m	-5.8	0.55
Stage 6-Scavo H=6.5m	-6	0.54
Stage 6-Scavo H=6.5m	-6.2	0.53
Stage 6-Scavo H=6.5m	-6.4	0.52
Stage 6-Scavo H=6.5m	-6.6	0.51
Stage 6-Scavo H=6.5m	-6.8	0.5
Stage 6-Scavo H=6.5m	-7	0.49
Stage 6-Scavo H=6.5m	-7.2	0.48
Stage 6-Scavo H=6.5m	-7.4	0.47
Stage 6-Scavo H=6.5m	-7.6	0.46
Stage 6-Scavo H=6.5m	-7.8	0.45
Stage 6-Scavo H=6.5m	-8	0.44
Stage 6-Scavo H=6.5m	-8.2	0.43
Stage 6-Scavo H=6.5m	-8.4	0.43
Stage 6-Scavo H=6.5m	-8.6	0.42
Stage 6-Scavo H=6.5m	-8.8	0.41
Stage 6-Scavo H=6.5m	-9	0.4
Stage 6-Scavo H=6.5m	-9.2	0.39
Stage 6-Scavo H=6.5m	-9.4	0.38
Stage 6-Scavo H=6.5m	-9.6	0.37
Stage 6-Scavo H=6.5m	-9.8	0.36
Stage 6-Scavo H=6.5m	-10	0.36
Stage 6-Scavo H=6.5m	-10.2	0.35
Stage 6-Scavo H=6.5m	-10.4	0.34
Stage 6-Scavo H=6.5m	-10.6	0.33
Stage 6-Scavo H=6.5m	-10.8	0.33
Stage 6-Scavo H=6.5m	-11	0.32
Stage 6-Scavo H=6.5m	-11.2	0.31
Stage 6-Scavo H=6.5m	-11.4	0.31
Stage 6-Scavo H=6.5m	-11.6	0.3
Stage 6-Scavo H=6.5m	-11.8	0.3
Stage 6-Scavo H=6.5m	-12	0.29
Stage 6-Scavo H=6.5m	-12.2	0.28
Stage 6-Scavo H=6.5m	-12.4	0.28
Stage 6-Scavo H=6.5m	-12.6	0.27
Stage 6-Scavo H=6.5m	-12.8	0.27
Stage 6-Scavo H=6.5m	-13	0.26
Stage 6-Scavo H=6.5m	-13.2	0.26
Stage 6-Scavo H=6.5m	-13.4	0.25
Stage 6-Scavo H=6.5m	-13.6	0.25
Stage 6-Scavo H=6.5m	-13.8	0.24
Stage 6-Scavo H=6.5m	-14	0.24
Stage 6-Scavo H=6.5m	-14.2	0.23
Stage 6-Scavo H=6.5m	-14.4	0.23
Stage 6-Scavo H=6.5m	-14.6	0.23
Stage 6-Scavo H=6.5m	-14.8	0.22

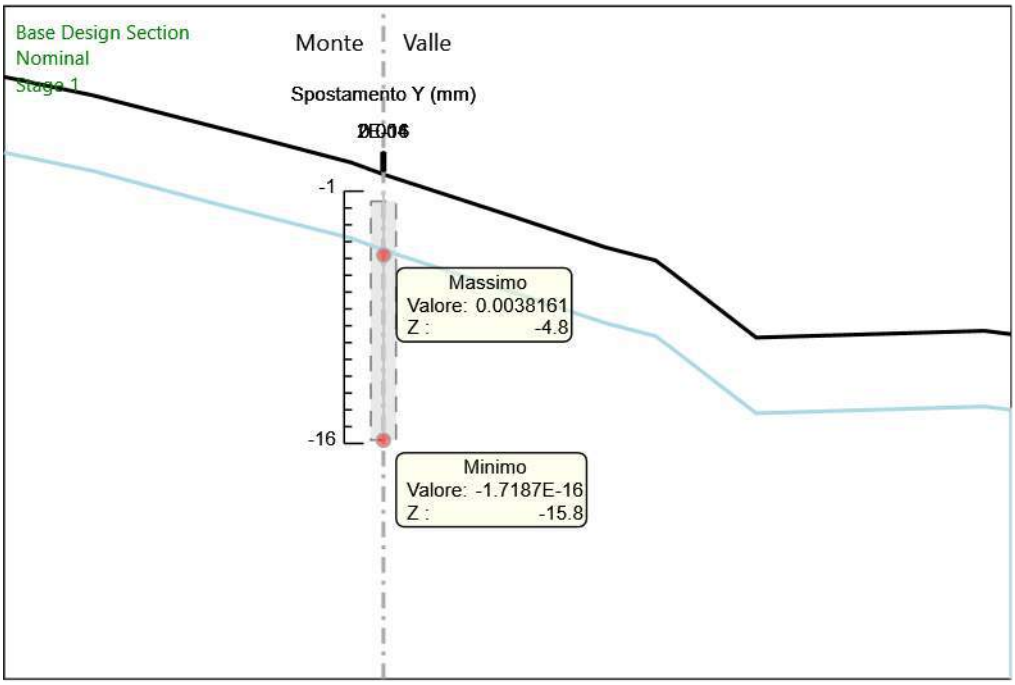
Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 6-Scavo H=6.5m	-15	0.22
Stage 6-Scavo H=6.5m	-15.2	0.21
Stage 6-Scavo H=6.5m	-15.4	0.21
Stage 6-Scavo H=6.5m	-15.6	0.2
Stage 6-Scavo H=6.5m	-15.8	0.2

5.1.7. Tabella Spostamento Nominal - LEFT Stage: Sismica

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Sismica	-1.6	2.38
Sismica	-1.8	2.33
Sismica	-2	2.28
Sismica	-2.2	2.22
Sismica	-2.4	2.17
Sismica	-2.6	2.12
Sismica	-2.8	2.06
Sismica	-3	2.01
Sismica	-3.2	1.96
Sismica	-3.4	1.91
Sismica	-3.6	1.85
Sismica	-3.8	1.8
Sismica	-4	1.75
Sismica	-4.2	1.7
Sismica	-4.4	1.64
Sismica	-4.6	1.59
Sismica	-4.8	1.54
Sismica	-5	1.49
Sismica	-5.2	1.44
Sismica	-5.4	1.39
Sismica	-5.6	1.34
Sismica	-5.8	1.29
Sismica	-6	1.24
Sismica	-6.2	1.19
Sismica	-6.4	1.14
Sismica	-6.6	1.1
Sismica	-6.8	1.05
Sismica	-7	1.01
Sismica	-7.2	0.96
Sismica	-7.4	0.92
Sismica	-7.6	0.87
Sismica	-7.8	0.83
Sismica	-8	0.79
Sismica	-8.2	0.75
Sismica	-8.4	0.72
Sismica	-8.6	0.68
Sismica	-8.8	0.64
Sismica	-9	0.61
Sismica	-9.2	0.58
Sismica	-9.4	0.55
Sismica	-9.6	0.52
Sismica	-9.8	0.49
Sismica	-10	0.47
Sismica	-10.2	0.44
Sismica	-10.4	0.42
Sismica	-10.6	0.4
Sismica	-10.8	0.37
Sismica	-11	0.36
Sismica	-11.2	0.34
Sismica	-11.4	0.32
Sismica	-11.6	0.3
Sismica	-11.8	0.29
Sismica	-12	0.27
Sismica	-12.2	0.26
Sismica	-12.4	0.25
Sismica	-12.6	0.24
Sismica	-12.8	0.23
Sismica	-13	0.21
Sismica	-13.2	0.2
Sismica	-13.4	0.19
Sismica	-13.6	0.18
Sismica	-13.8	0.18
Sismica	-14	0.17
Sismica	-14.2	0.16
Sismica	-14.4	0.15
Sismica	-14.6	0.14
Sismica	-14.8	0.13

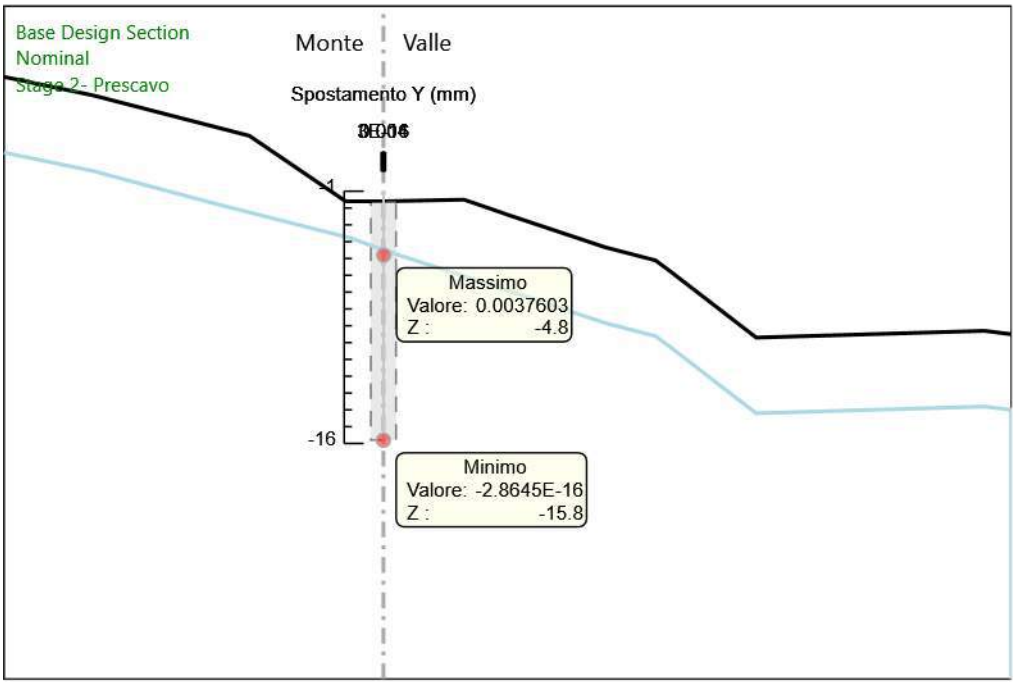
Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Sismica	-15	0.13
Sismica	-15.2	0.12
Sismica	-15.4	0.11
Sismica	-15.6	0.1
Sismica	-15.8	0.09

5.1.8. Grafico Spostamento orizzontale Nominal - Stage: Stage 1



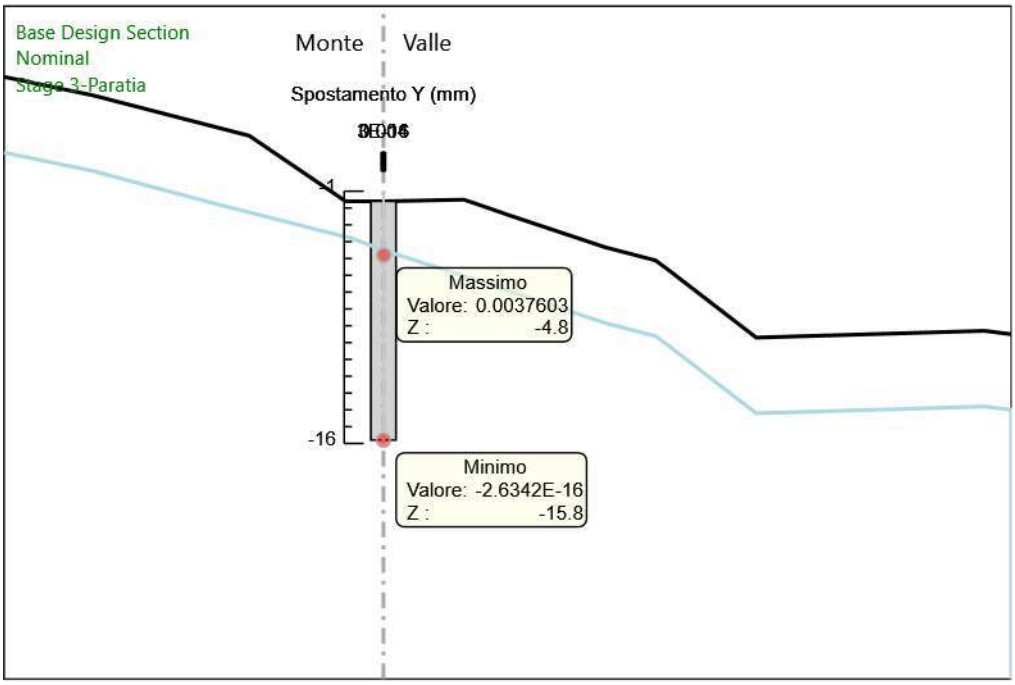
Design Assumption: Nominal
Stage: Stage 1
Spostamento orizzontale

5.1.9. Grafico Spostamento orizzontale Nominal - Stage: Stage 2- Prescavo



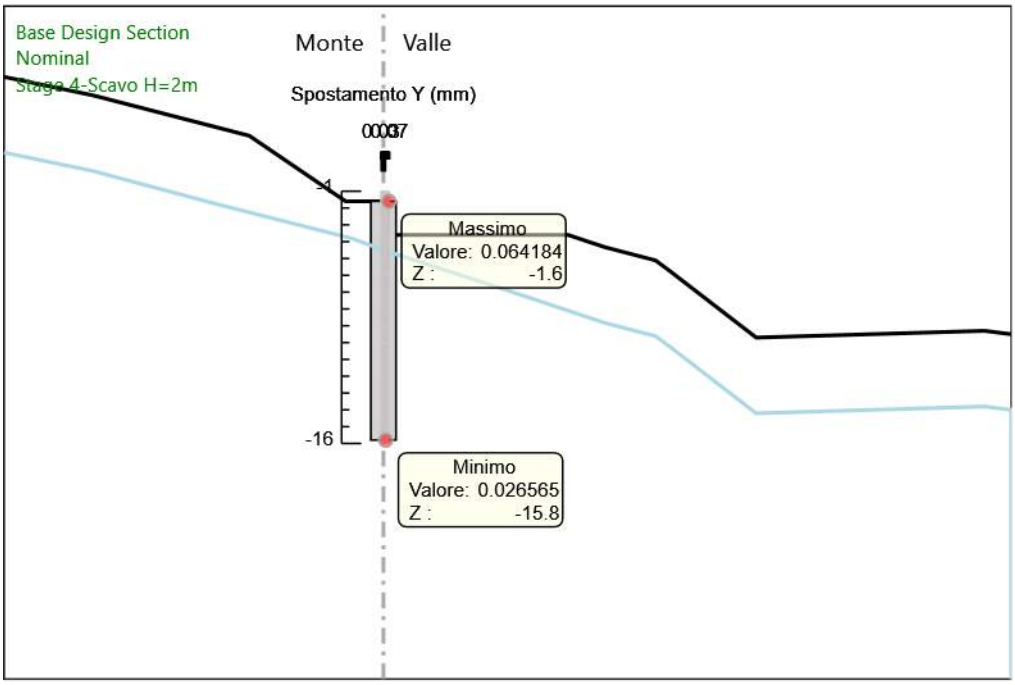
Design Assumption: Nominal
Stage: Stage 2- Prescavo
Spostamento orizzontale

5.1.10. Grafico Spostamento orizzontale Nominal - Stage: Stage 3-Paratia



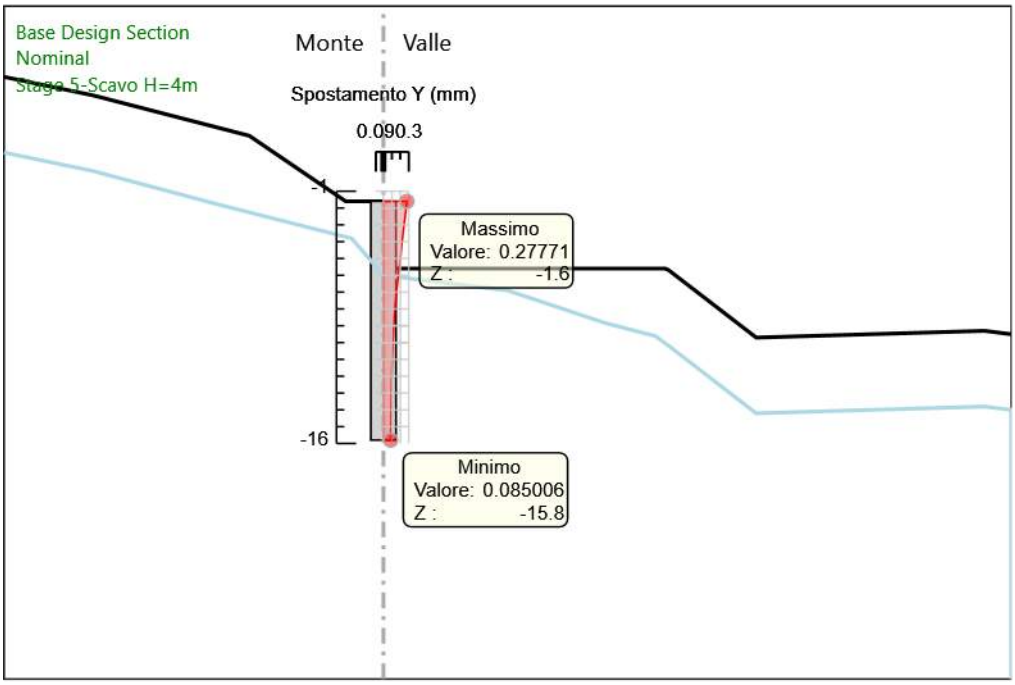
Design Assumption: Nominal
Stage: Stage 3-Paratia
Spostamento orizzontale

5.1.11. Grafico Spostamento orizzontale Nominal - Stage: Stage 4-Scavo H=2m



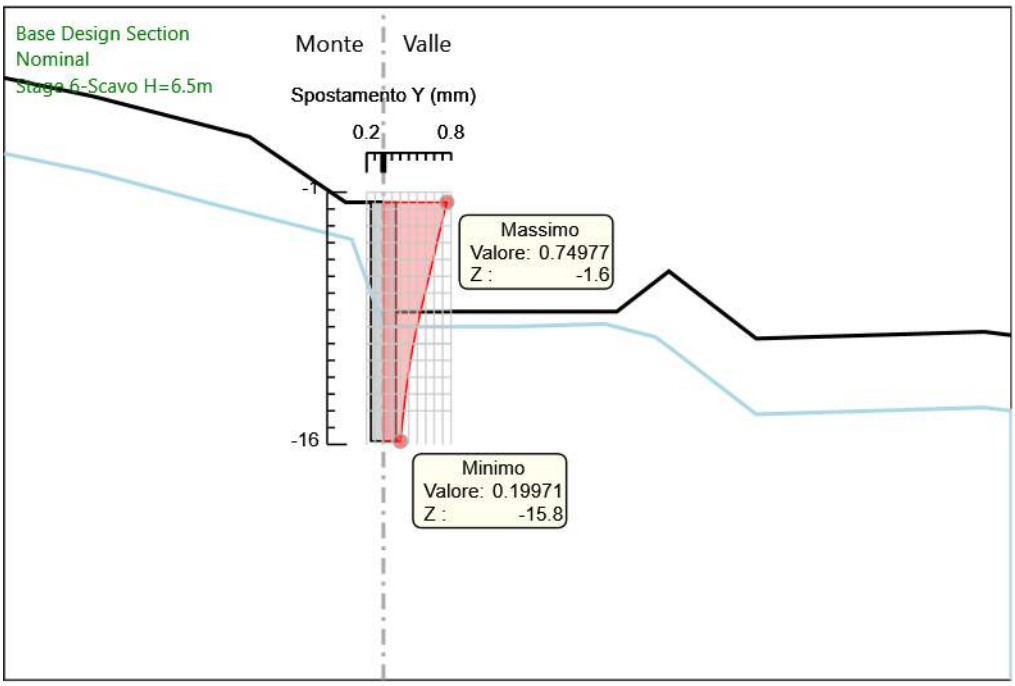
Design Assumption: Nominal
Stage: Stage 4-Scavo H=2m
Spostamento orizzontale

5.1.12. Grafico Spostamento orizzontale Nominal - Stage: Stage 5-Scavo H=4m



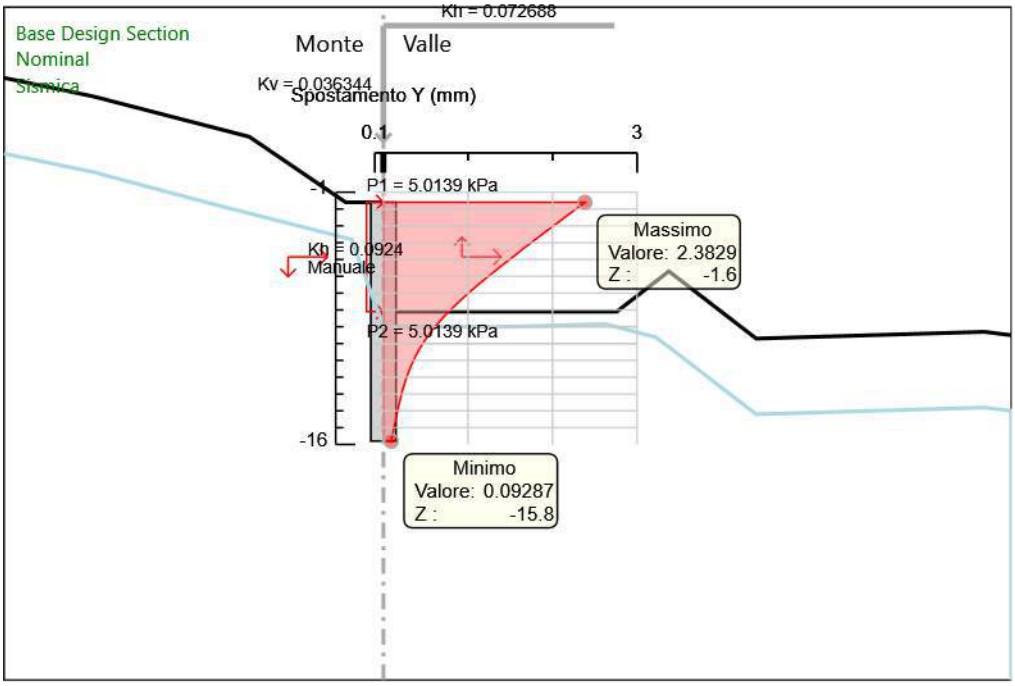
Design Assumption: Nominal
Stage: Stage 5-Scavo H=4m
Spostamento orizzontale

5.1.13. Grafico Spostamento orizzontale Nominal - Stage: Stage 6-Scavo H=6.5m



Design Assumption: Nominal
Stage: Stage 6-Scavo H=6.5m
Spostamento orizzontale

5.1.14. Grafico Spostamento orizzontale Nominal - Stage: Sismica



Design Assumption: Nominal
Stage: Sismica
Spostamento orizzontale

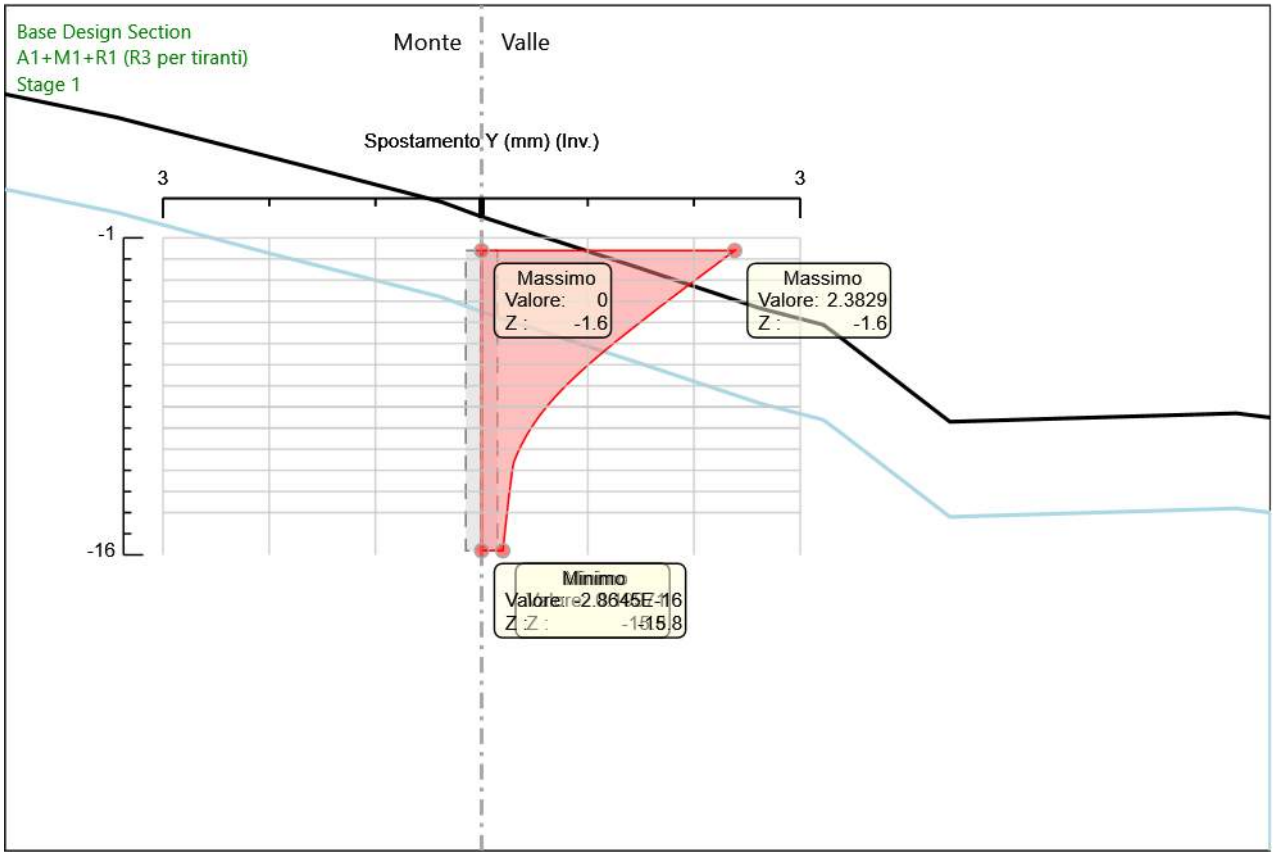
5.2. Inviluppi Spostamento Nominal

5.2.1. Tabella Inviluppi Spostamento orizzontale Nominal Left Wall

Selected Design Assumptions	Inviluppi: Spostamento orizzontale	Muro: LEFT
Z (m)	Lato sinistro (mm)	Lato destro (mm)
-1.6	0	2.38
-1.8	0	2.33
-2	0	2.28
-2.2	0	2.22
-2.4	0	2.17
-2.6	0	2.12
-2.8	0	2.06
-3	0	2.01
-3.2	0	1.96
-3.4	0	1.91
-3.6	0	1.85
-3.8	0	1.8
-4	0	1.75
-4.2	0	1.7
-4.4	0	1.64
-4.6	0	1.59
-4.8	0	1.54
-5	0	1.49
-5.2	0	1.44
-5.4	0	1.39
-5.6	0	1.34
-5.8	0	1.29
-6	0	1.24
-6.2	0	1.19
-6.4	0	1.14
-6.6	0	1.1
-6.8	0	1.05
-7	0	1.01
-7.2	0	0.96
-7.4	0	0.92
-7.6	0	0.87
-7.8	0	0.83
-8	0	0.79
-8.2	0	0.75
-8.4	0	0.72
-8.6	0	0.68
-8.8	0	0.64
-9	0	0.61
-9.2	0	0.58
-9.4	0	0.55
-9.6	0	0.52
-9.8	0	0.49
-10	0	0.47
-10.2	0	0.44
-10.4	0	0.42
-10.6	0	0.4
-10.8	0	0.37
-11	0	0.36
-11.2	0	0.34
-11.4	0	0.32
-11.6	0	0.3
-11.8	0	0.3
-12	0	0.29
-12.2	0	0.28
-12.4	0	0.28
-12.6	0	0.27
-12.8	0	0.27
-13	0	0.26
-13.2	0	0.26
-13.4	0	0.25
-13.6	0	0.25
-13.8	0	0.24
-14	0	0.24
-14.2	0	0.23

Selected Design Assumptions	Inviluppi: Spostamento orizzontale	Muro: LEFT
Z (m)	Lato sinistro (mm)	Lato destro (mm)
-14.4	0	0.23
-14.6	0	0.23
-14.8	0	0.22
-15	0	0.22
-15.2	0	0.21
-15.4	0	0.21
-15.6	0	0.2
-15.8	0	0.2

5.2.2. Grafico Inviluppi Spostamento



Spostamento

5.3. Risultati Paratia

5.3.1. 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	-1.6	0	0
Stage 1	-1.8	0	0
Stage 1	-2	0	0
Stage 1	-2.2	0	0
Stage 1	-2.4	0	0
Stage 1	-2.6	0	0
Stage 1	-2.8	0	0
Stage 1	-3	0	0
Stage 1	-3.2	0	0
Stage 1	-3.4	0	0
Stage 1	-3.6	0	0
Stage 1	-3.8	0	0
Stage 1	-4	0	0
Stage 1	-4.2	0	0
Stage 1	-4.4	0	0
Stage 1	-4.6	0	0
Stage 1	-4.8	0	0
Stage 1	-5	0	0
Stage 1	-5.2	0	0
Stage 1	-5.4	0	0
Stage 1	-5.6	0	0
Stage 1	-5.8	0	0
Stage 1	-6	0	0
Stage 1	-6.2	0	0
Stage 1	-6.4	0	0
Stage 1	-6.6	0	0
Stage 1	-6.8	0	0
Stage 1	-7	0	0
Stage 1	-7.2	0	0
Stage 1	-7.4	0	0
Stage 1	-7.6	0	0
Stage 1	-7.8	0	0
Stage 1	-8	0	0
Stage 1	-8.2	0	0
Stage 1	-8.4	0	0
Stage 1	-8.6	0	0
Stage 1	-8.8	0	0
Stage 1	-9	0	0
Stage 1	-9.2	0	0
Stage 1	-9.4	0	0
Stage 1	-9.6	0	0
Stage 1	-9.8	0	0
Stage 1	-10	0	0
Stage 1	-10.2	0	0
Stage 1	-10.4	0	0
Stage 1	-10.6	0	0
Stage 1	-10.8	0	0
Stage 1	-11	0	0
Stage 1	-11.2	0	0
Stage 1	-11.4	0	0
Stage 1	-11.6	0	0
Stage 1	-11.8	0	0
Stage 1	-12	0	0
Stage 1	-12.2	0	0
Stage 1	-12.4	0	0
Stage 1	-12.6	0	0
Stage 1	-12.8	0	0
Stage 1	-13	0	0
Stage 1	-13.2	0	0
Stage 1	-13.4	0	0
Stage 1	-13.6	0	0
Stage 1	-13.8	0	0
Stage 1	-14	0	0
Stage 1	-14.2	0	0

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 1	-14.4	0	0
Stage 1	-14.6	0	0
Stage 1	-14.8	0	0
Stage 1	-15	0	0
Stage 1	-15.2	0	0
Stage 1	-15.4	0	0
Stage 1	-15.6	0	0
Stage 1	-15.8	0	0

5.3.2. Tabella Risultati Paratia Nominal - Stage: Stage 2- Prescavo

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2- Prescavo	-1.6	0	0
Stage 2- Prescavo	-1.8	0	0
Stage 2- Prescavo	-2	0	0
Stage 2- Prescavo	-2.2	0	0
Stage 2- Prescavo	-2.4	0	0
Stage 2- Prescavo	-2.6	0	0
Stage 2- Prescavo	-2.8	0	0
Stage 2- Prescavo	-3	0	0
Stage 2- Prescavo	-3.2	0	0
Stage 2- Prescavo	-3.4	0	0
Stage 2- Prescavo	-3.6	0	0
Stage 2- Prescavo	-3.8	0	0
Stage 2- Prescavo	-4	0	0
Stage 2- Prescavo	-4.2	0	0
Stage 2- Prescavo	-4.4	0	0
Stage 2- Prescavo	-4.6	0	0
Stage 2- Prescavo	-4.8	0	0
Stage 2- Prescavo	-5	0	0
Stage 2- Prescavo	-5.2	0	0
Stage 2- Prescavo	-5.4	0	0
Stage 2- Prescavo	-5.6	0	0
Stage 2- Prescavo	-5.8	0	0
Stage 2- Prescavo	-6	0	0
Stage 2- Prescavo	-6.2	0	0
Stage 2- Prescavo	-6.4	0	0
Stage 2- Prescavo	-6.6	0	0
Stage 2- Prescavo	-6.8	0	0
Stage 2- Prescavo	-7	0	0
Stage 2- Prescavo	-7.2	0	0
Stage 2- Prescavo	-7.4	0	0
Stage 2- Prescavo	-7.6	0	0
Stage 2- Prescavo	-7.8	0	0
Stage 2- Prescavo	-8	0	0
Stage 2- Prescavo	-8.2	0	0
Stage 2- Prescavo	-8.4	0	0
Stage 2- Prescavo	-8.6	0	0
Stage 2- Prescavo	-8.8	0	0
Stage 2- Prescavo	-9	0	0
Stage 2- Prescavo	-9.2	0	0
Stage 2- Prescavo	-9.4	0	0
Stage 2- Prescavo	-9.6	0	0
Stage 2- Prescavo	-9.8	0	0
Stage 2- Prescavo	-10	0	0
Stage 2- Prescavo	-10.2	0	0
Stage 2- Prescavo	-10.4	0	0
Stage 2- Prescavo	-10.6	0	0
Stage 2- Prescavo	-10.8	0	0
Stage 2- Prescavo	-11	0	0
Stage 2- Prescavo	-11.2	0	0
Stage 2- Prescavo	-11.4	0	0
Stage 2- Prescavo	-11.6	0	0
Stage 2- Prescavo	-11.8	0	0
Stage 2- Prescavo	-12	0	0
Stage 2- Prescavo	-12.2	0	0
Stage 2- Prescavo	-12.4	0	0
Stage 2- Prescavo	-12.6	0	0
Stage 2- Prescavo	-12.8	0	0
Stage 2- Prescavo	-13	0	0
Stage 2- Prescavo	-13.2	0	0
Stage 2- Prescavo	-13.4	0	0
Stage 2- Prescavo	-13.6	0	0
Stage 2- Prescavo	-13.8	0	0
Stage 2- Prescavo	-14	0	0
Stage 2- Prescavo	-14.2	0	0
Stage 2- Prescavo	-14.4	0	0
Stage 2- Prescavo	-14.6	0	0
Stage 2- Prescavo	-14.8	0	0

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 2- Prescavo	-15	0	0
Stage 2- Prescavo	-15.2	0	0
Stage 2- Prescavo	-15.4	0	0
Stage 2- Prescavo	-15.6	0	0
Stage 2- Prescavo	-15.8	0	0

5.3.3. Tabella Risultati Paratia Nominal - Stage: Stage 3-Paratia

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-1.6	0	0
Stage 3-Paratia	-1.8	0	0
Stage 3-Paratia	-2	0	0
Stage 3-Paratia	-2.2	0	0
Stage 3-Paratia	-2.4	0	0
Stage 3-Paratia	-2.6	0	0
Stage 3-Paratia	-2.8	0	0
Stage 3-Paratia	-3	0	0
Stage 3-Paratia	-3.2	0	0
Stage 3-Paratia	-3.4	0	0
Stage 3-Paratia	-3.6	0	0
Stage 3-Paratia	-3.8	0	0
Stage 3-Paratia	-4	0	0
Stage 3-Paratia	-4.2	0	0
Stage 3-Paratia	-4.2	0	0
Stage 3-Paratia	-4.4	0	0
Stage 3-Paratia	-4.4	0	0
Stage 3-Paratia	-4.6	0	0
Stage 3-Paratia	-4.6	0	0
Stage 3-Paratia	-4.8	0	0
Stage 3-Paratia	-4.8	0	0
Stage 3-Paratia	-5	0	0
Stage 3-Paratia	-5	0	0
Stage 3-Paratia	-5.2	0	0
Stage 3-Paratia	-5.2	0	0
Stage 3-Paratia	-5.4	0	0
Stage 3-Paratia	-5.4	0	0
Stage 3-Paratia	-5.6	0	0
Stage 3-Paratia	-5.6	0	0
Stage 3-Paratia	-5.8	0	0
Stage 3-Paratia	-5.8	0	0
Stage 3-Paratia	-6	0	0
Stage 3-Paratia	-6	0	0
Stage 3-Paratia	-6.2	0	0
Stage 3-Paratia	-6.2	0	0
Stage 3-Paratia	-6.4	0	0
Stage 3-Paratia	-6.4	0	0
Stage 3-Paratia	-6.6	0	0
Stage 3-Paratia	-6.6	0	0
Stage 3-Paratia	-6.8	0	0
Stage 3-Paratia	-6.8	0	0
Stage 3-Paratia	-7	0	0
Stage 3-Paratia	-7	0	0
Stage 3-Paratia	-7.2	0	0
Stage 3-Paratia	-7.2	0	0
Stage 3-Paratia	-7.4	0	0
Stage 3-Paratia	-7.4	0	0
Stage 3-Paratia	-7.6	0	0
Stage 3-Paratia	-7.6	0	0
Stage 3-Paratia	-7.8	0	0
Stage 3-Paratia	-7.8	0	0
Stage 3-Paratia	-8	0	0
Stage 3-Paratia	-8	0	0
Stage 3-Paratia	-8.2	0	0
Stage 3-Paratia	-8.2	0	0
Stage 3-Paratia	-8.4	0	0
Stage 3-Paratia	-8.4	0	0
Stage 3-Paratia	-8.6	0	0
Stage 3-Paratia	-8.6	0	0
Stage 3-Paratia	-8.8	0	0
Stage 3-Paratia	-8.8	0	0
Stage 3-Paratia	-9	0	0
Stage 3-Paratia	-9	0	0
Stage 3-Paratia	-9.2	0	0
Stage 3-Paratia	-9.2	0	0
Stage 3-Paratia	-9.4	0	0
Stage 3-Paratia	-9.4	0	0

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-9.6	0	0
Stage 3-Paratia	-9.6	0	0
Stage 3-Paratia	-9.8	0	0
Stage 3-Paratia	-9.8	0	0
Stage 3-Paratia	-10	0	0
Stage 3-Paratia	-10	0	0
Stage 3-Paratia	-10.2	0	0
Stage 3-Paratia	-10.2	0	0
Stage 3-Paratia	-10.4	0	0
Stage 3-Paratia	-10.4	0	0
Stage 3-Paratia	-10.6	0	0
Stage 3-Paratia	-10.6	0	0
Stage 3-Paratia	-10.8	0	0
Stage 3-Paratia	-10.8	0	0
Stage 3-Paratia	-11	0	0
Stage 3-Paratia	-11	0	0
Stage 3-Paratia	-11.2	0	0
Stage 3-Paratia	-11.2	0	0
Stage 3-Paratia	-11.4	0	0
Stage 3-Paratia	-11.4	0	0
Stage 3-Paratia	-11.6	0	0
Stage 3-Paratia	-11.6	0	0
Stage 3-Paratia	-11.8	0	0
Stage 3-Paratia	-11.8	0	0
Stage 3-Paratia	-12	0	0
Stage 3-Paratia	-12	0	0
Stage 3-Paratia	-12.2	0	0
Stage 3-Paratia	-12.2	0	0
Stage 3-Paratia	-12.4	0	0
Stage 3-Paratia	-12.4	0	0
Stage 3-Paratia	-12.6	0	0
Stage 3-Paratia	-12.6	0	0
Stage 3-Paratia	-12.8	0	0
Stage 3-Paratia	-12.8	0	0
Stage 3-Paratia	-13	0	0
Stage 3-Paratia	-13	0	0
Stage 3-Paratia	-13.2	0	0
Stage 3-Paratia	-13.2	0	0
Stage 3-Paratia	-13.4	0	0
Stage 3-Paratia	-13.4	0	0
Stage 3-Paratia	-13.6	0	0
Stage 3-Paratia	-13.6	0	0
Stage 3-Paratia	-13.8	0	0
Stage 3-Paratia	-13.8	0	0
Stage 3-Paratia	-14	0	0
Stage 3-Paratia	-14	0	0
Stage 3-Paratia	-14.2	0	0
Stage 3-Paratia	-14.2	0	0
Stage 3-Paratia	-14.4	0	0
Stage 3-Paratia	-14.4	0	0
Stage 3-Paratia	-14.6	0	0
Stage 3-Paratia	-14.6	0	0
Stage 3-Paratia	-14.8	0	0
Stage 3-Paratia	-14.8	0	0
Stage 3-Paratia	-15	0	0
Stage 3-Paratia	-15	0	0
Stage 3-Paratia	-15.2	0	0
Stage 3-Paratia	-15.2	0	0
Stage 3-Paratia	-15.4	0	0
Stage 3-Paratia	-15.4	0	0
Stage 3-Paratia	-15.6	0	0
Stage 3-Paratia	-15.6	0	0
Stage 3-Paratia	-15.8	0	0

5.3.4. Tabella Risultati Paratia Nominal - Stage: Stage 4-Scavo H=2m

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=2m	-1.6	0	0
Stage 4-Scavo H=2m	-1.8	0	0
Stage 4-Scavo H=2m	-1.8	0	0
Stage 4-Scavo H=2m	-2	0	0
Stage 4-Scavo H=2m	-2	0	0
Stage 4-Scavo H=2m	-2.2	0	0
Stage 4-Scavo H=2m	-2.2	0	0
Stage 4-Scavo H=2m	-2.4	0	0
Stage 4-Scavo H=2m	-2.4	0	0
Stage 4-Scavo H=2m	-2.6	0	0
Stage 4-Scavo H=2m	-2.6	0	0
Stage 4-Scavo H=2m	-2.8	0	0
Stage 4-Scavo H=2m	-2.8	0	0
Stage 4-Scavo H=2m	-3	0	0
Stage 4-Scavo H=2m	-3	0	0
Stage 4-Scavo H=2m	-3.2	-0.04	-0.19
Stage 4-Scavo H=2m	-3.4	-0.41	-1.88
Stage 4-Scavo H=2m	-3.6	-1.24	-4.13
Stage 4-Scavo H=2m	-3.8	-2.29	-5.22
Stage 4-Scavo H=2m	-4	-3.29	-5.02
Stage 4-Scavo H=2m	-4.2	-4.2	-4.56
Stage 4-Scavo H=2m	-4.4	-5	-3.97
Stage 4-Scavo H=2m	-4.6	-5.66	-3.34
Stage 4-Scavo H=2m	-4.8	-6.2	-2.68
Stage 4-Scavo H=2m	-5	-6.61	-2.07
Stage 4-Scavo H=2m	-5.2	-6.91	-1.5
Stage 4-Scavo H=2m	-5.4	-7.11	-0.99
Stage 4-Scavo H=2m	-5.6	-7.22	-0.54
Stage 4-Scavo H=2m	-5.8	-7.25	-0.13
Stage 4-Scavo H=2m	-6	-7.2	0.22
Stage 4-Scavo H=2m	-6.2	-7.09	0.53
Stage 4-Scavo H=2m	-6.4	-6.94	0.79
Stage 4-Scavo H=2m	-6.6	-6.73	1.01
Stage 4-Scavo H=2m	-6.8	-6.49	1.2
Stage 4-Scavo H=2m	-7	-6.23	1.34
Stage 4-Scavo H=2m	-7.2	-5.93	1.45
Stage 4-Scavo H=2m	-7.4	-5.63	1.54
Stage 4-Scavo H=2m	-7.6	-5.31	1.6
Stage 4-Scavo H=2m	-7.8	-4.98	1.63
Stage 4-Scavo H=2m	-8	-4.65	1.64
Stage 4-Scavo H=2m	-8.2	-4.33	1.64
Stage 4-Scavo H=2m	-8.4	-4	1.61
Stage 4-Scavo H=2m	-8.6	-3.69	1.58
Stage 4-Scavo H=2m	-8.8	-3.38	1.53
Stage 4-Scavo H=2m	-9	-3.09	1.48
Stage 4-Scavo H=2m	-9.2	-2.8	1.41
Stage 4-Scavo H=2m	-9.4	-2.53	1.35
Stage 4-Scavo H=2m	-9.6	-2.28	1.27
Stage 4-Scavo H=2m	-9.8	-2.04	1.2
Stage 4-Scavo H=2m	-10	-1.82	1.12
Stage 4-Scavo H=2m	-10.2	-1.61	1.04
Stage 4-Scavo H=2m	-10.4	-1.41	0.96
Stage 4-Scavo H=2m	-10.6	-1.24	0.89
Stage 4-Scavo H=2m	-10.8	-1.07	0.81
Stage 4-Scavo H=2m	-11	-0.93	0.74
Stage 4-Scavo H=2m	-11.2	-0.79	0.67
Stage 4-Scavo H=2m	-11.4	-0.67	0.6
Stage 4-Scavo H=2m	-11.6	-0.57	0.54
Stage 4-Scavo H=2m	-11.8	-0.47	0.48
Stage 4-Scavo H=2m	-12	-0.39	0.42
Stage 4-Scavo H=2m	-12.2	-0.31	0.37
Stage 4-Scavo H=2m	-12.4	-0.25	0.32
Stage 4-Scavo H=2m	-12.6	-0.2	0.27
Stage 4-Scavo H=2m	-12.8	-0.15	0.23
Stage 4-Scavo H=2m	-13	-0.11	0.19
Stage 4-Scavo H=2m	-13.2	-0.08	0.16
Stage 4-Scavo H=2m	-13.4	-0.06	0.13

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=2m	-13.6	-0.04	0.1
Stage 4-Scavo H=2m	-13.8	-0.02	0.08
Stage 4-Scavo H=2m	-14	-0.01	0.05
Stage 4-Scavo H=2m	-14.2	0	0.04
Stage 4-Scavo H=2m	-14.4	0	0.02
Stage 4-Scavo H=2m	-14.6	0	0.01
Stage 4-Scavo H=2m	-14.8	0.01	0
Stage 4-Scavo H=2m	-15	0	0
Stage 4-Scavo H=2m	-15.2	0	-0.01
Stage 4-Scavo H=2m	-15.4	0	-0.01
Stage 4-Scavo H=2m	-15.6	0	-0.01
Stage 4-Scavo H=2m	-15.8	0	0

5.3.5. Tabella Risultati Paratia Nominal - Stage: Stage 5-Scavo H=4m

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=4m	-1.6	0	0
Stage 5-Scavo H=4m	-1.8	0	0
Stage 5-Scavo H=4m	-1.8	0	0
Stage 5-Scavo H=4m	-2	0	0
Stage 5-Scavo H=4m	-2	0	0
Stage 5-Scavo H=4m	-2.2	0	0
Stage 5-Scavo H=4m	-2.2	0	0
Stage 5-Scavo H=4m	-2.4	0	0
Stage 5-Scavo H=4m	-2.4	0	0
Stage 5-Scavo H=4m	-2.6	0	0
Stage 5-Scavo H=4m	-2.6	0	0
Stage 5-Scavo H=4m	-2.8	0	0
Stage 5-Scavo H=4m	-2.8	0	0
Stage 5-Scavo H=4m	-3	0	0
Stage 5-Scavo H=4m	-3	0	0
Stage 5-Scavo H=4m	-3.2	0	0
Stage 5-Scavo H=4m	-3.2	0	0
Stage 5-Scavo H=4m	-3.4	0	0
Stage 5-Scavo H=4m	-3.4	0	0
Stage 5-Scavo H=4m	-3.6	0	0
Stage 5-Scavo H=4m	-3.6	0	0
Stage 5-Scavo H=4m	-3.8	0	0
Stage 5-Scavo H=4m	-3.8	0	0
Stage 5-Scavo H=4m	-4	0	0
Stage 5-Scavo H=4m	-4	0	0
Stage 5-Scavo H=4m	-4.2	0	0
Stage 5-Scavo H=4m	-4.2	0	0
Stage 5-Scavo H=4m	-4.4	0	0
Stage 5-Scavo H=4m	-4.4	0	0
Stage 5-Scavo H=4m	-4.6	-0.08	-0.42
Stage 5-Scavo H=4m	-4.8	-0.33	-1.24
Stage 5-Scavo H=4m	-5	-0.84	-2.55
Stage 5-Scavo H=4m	-5.2	-1.72	-4.4
Stage 5-Scavo H=4m	-5.4	-3.08	-6.8
Stage 5-Scavo H=4m	-5.6	-5.03	-9.74
Stage 5-Scavo H=4m	-5.8	-7.73	-13.49
Stage 5-Scavo H=4m	-6	-10.13	-12.04
Stage 5-Scavo H=4m	-6.2	-12.24	-10.51
Stage 5-Scavo H=4m	-6.4	-14.04	-9.04
Stage 5-Scavo H=4m	-6.6	-15.57	-7.62
Stage 5-Scavo H=4m	-6.8	-16.82	-6.28
Stage 5-Scavo H=4m	-7	-17.83	-5.02
Stage 5-Scavo H=4m	-7.2	-18.59	-3.85
Stage 5-Scavo H=4m	-7.4	-19.15	-2.77
Stage 5-Scavo H=4m	-7.6	-19.51	-1.79
Stage 5-Scavo H=4m	-7.8	-19.68	-0.89
Stage 5-Scavo H=4m	-8	-19.7	-0.09
Stage 5-Scavo H=4m	-8.2	-19.58	0.62
Stage 5-Scavo H=4m	-8.4	-19.33	1.25
Stage 5-Scavo H=4m	-8.6	-18.97	1.81
Stage 5-Scavo H=4m	-8.8	-18.51	2.28
Stage 5-Scavo H=4m	-9	-17.97	2.69
Stage 5-Scavo H=4m	-9.2	-17.36	3.04
Stage 5-Scavo H=4m	-9.4	-16.7	3.32
Stage 5-Scavo H=4m	-9.6	-15.99	3.55
Stage 5-Scavo H=4m	-9.8	-15.24	3.73
Stage 5-Scavo H=4m	-10	-14.47	3.86
Stage 5-Scavo H=4m	-10.2	-13.68	3.95
Stage 5-Scavo H=4m	-10.4	-12.88	4
Stage 5-Scavo H=4m	-10.6	-12.08	4.02
Stage 5-Scavo H=4m	-10.8	-11.28	4
Stage 5-Scavo H=4m	-11	-10.49	3.96
Stage 5-Scavo H=4m	-11.2	-9.71	3.9
Stage 5-Scavo H=4m	-11.4	-8.94	3.82
Stage 5-Scavo H=4m	-11.6	-8.2	3.72
Stage 5-Scavo H=4m	-11.8	-7.48	3.61
Stage 5-Scavo H=4m	-12	-6.78	3.48

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=4m	-12.2	-6.12	3.34
Stage 5-Scavo H=4m	-12.4	-5.48	3.19
Stage 5-Scavo H=4m	-12.6	-4.87	3.03
Stage 5-Scavo H=4m	-12.8	-4.3	2.87
Stage 5-Scavo H=4m	-13	-3.76	2.7
Stage 5-Scavo H=4m	-13.2	-3.25	2.53
Stage 5-Scavo H=4m	-13.4	-2.78	2.36
Stage 5-Scavo H=4m	-13.6	-2.34	2.18
Stage 5-Scavo H=4m	-13.8	-1.94	2
Stage 5-Scavo H=4m	-14	-1.58	1.82
Stage 5-Scavo H=4m	-14.2	-1.25	1.63
Stage 5-Scavo H=4m	-14.4	-0.96	1.45
Stage 5-Scavo H=4m	-14.6	-0.71	1.26
Stage 5-Scavo H=4m	-14.8	-0.5	1.07
Stage 5-Scavo H=4m	-15	-0.32	0.88
Stage 5-Scavo H=4m	-15.2	-0.18	0.69
Stage 5-Scavo H=4m	-15.4	-0.08	0.5
Stage 5-Scavo H=4m	-15.6	-0.02	0.3
Stage 5-Scavo H=4m	-15.8	0	0.1

5.3.6. Tabella Risultati Paratia Nominal - Stage: Stage 6-Scavo H=6.5m

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=6.5m	-1.6	0	0
Stage 6-Scavo H=6.5m	-1.8	0	0
Stage 6-Scavo H=6.5m	-1.8	0	0
Stage 6-Scavo H=6.5m	-2	0	0
Stage 6-Scavo H=6.5m	-2	0	0
Stage 6-Scavo H=6.5m	-2.2	0	0
Stage 6-Scavo H=6.5m	-2.2	0	0
Stage 6-Scavo H=6.5m	-2.4	0	0
Stage 6-Scavo H=6.5m	-2.4	0	0
Stage 6-Scavo H=6.5m	-2.6	0	0
Stage 6-Scavo H=6.5m	-2.6	0	0
Stage 6-Scavo H=6.5m	-2.8	0	0
Stage 6-Scavo H=6.5m	-2.8	0	0
Stage 6-Scavo H=6.5m	-3	0	0
Stage 6-Scavo H=6.5m	-3	0	0
Stage 6-Scavo H=6.5m	-3.2	0	0
Stage 6-Scavo H=6.5m	-3.2	0	0
Stage 6-Scavo H=6.5m	-3.4	0	0
Stage 6-Scavo H=6.5m	-3.4	0	0
Stage 6-Scavo H=6.5m	-3.6	0	0
Stage 6-Scavo H=6.5m	-3.6	0	0
Stage 6-Scavo H=6.5m	-3.8	0	0
Stage 6-Scavo H=6.5m	-3.8	0	0
Stage 6-Scavo H=6.5m	-4	0	0
Stage 6-Scavo H=6.5m	-4	0	0
Stage 6-Scavo H=6.5m	-4.2	0	0
Stage 6-Scavo H=6.5m	-4.2	0	0
Stage 6-Scavo H=6.5m	-4.4	0	0
Stage 6-Scavo H=6.5m	-4.4	0	0
Stage 6-Scavo H=6.5m	-4.6	0	0
Stage 6-Scavo H=6.5m	-4.6	0	0
Stage 6-Scavo H=6.5m	-4.8	0	0
Stage 6-Scavo H=6.5m	-4.8	0	0
Stage 6-Scavo H=6.5m	-5	0	0
Stage 6-Scavo H=6.5m	-5	0	0
Stage 6-Scavo H=6.5m	-5.2	0	0
Stage 6-Scavo H=6.5m	-5.2	0	0
Stage 6-Scavo H=6.5m	-5.4	0	0
Stage 6-Scavo H=6.5m	-5.4	0	0
Stage 6-Scavo H=6.5m	-5.6	0	0
Stage 6-Scavo H=6.5m	-5.6	0	0
Stage 6-Scavo H=6.5m	-5.8	0	0
Stage 6-Scavo H=6.5m	-5.8	0	0
Stage 6-Scavo H=6.5m	-6	0	0
Stage 6-Scavo H=6.5m	-6	0	0
Stage 6-Scavo H=6.5m	-6.2	0	0
Stage 6-Scavo H=6.5m	-6.2	0	0
Stage 6-Scavo H=6.5m	-6.4	0	0
Stage 6-Scavo H=6.5m	-6.4	0	0
Stage 6-Scavo H=6.5m	-6.6	0	0
Stage 6-Scavo H=6.5m	-6.6	0	0
Stage 6-Scavo H=6.5m	-6.8	-0.06	-0.29
Stage 6-Scavo H=6.5m	-7	-0.29	-1.18
Stage 6-Scavo H=6.5m	-7.2	-0.82	-2.65
Stage 6-Scavo H=6.5m	-7.4	-1.76	-4.7
Stage 6-Scavo H=6.5m	-7.6	-3.23	-7.34
Stage 6-Scavo H=6.5m	-7.8	-5.35	-10.58
Stage 6-Scavo H=6.5m	-8	-8.28	-14.69
Stage 6-Scavo H=6.5m	-8.2	-12.21	-19.63
Stage 6-Scavo H=6.5m	-8.4	-15.74	-17.63
Stage 6-Scavo H=6.5m	-8.6	-18.79	-15.24
Stage 6-Scavo H=6.5m	-8.8	-21.36	-12.85
Stage 6-Scavo H=6.5m	-9	-23.48	-10.61
Stage 6-Scavo H=6.5m	-9.2	-25.2	-8.6
Stage 6-Scavo H=6.5m	-9.4	-26.54	-6.72
Stage 6-Scavo H=6.5m	-9.6	-27.54	-4.97
Stage 6-Scavo H=6.5m	-9.8	-28.2	-3.34

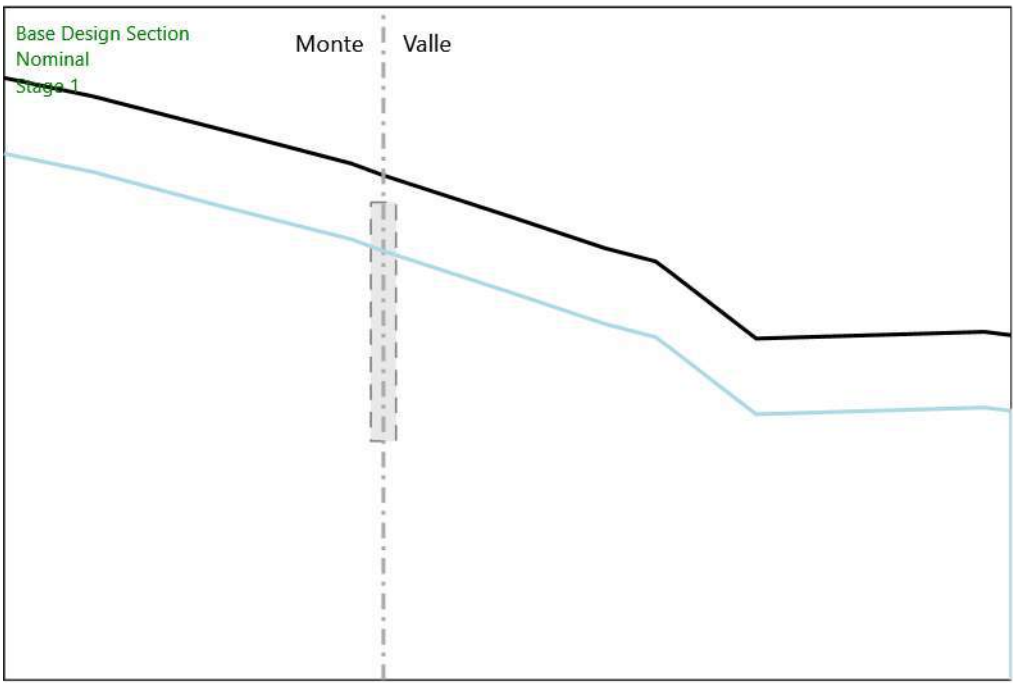
Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=6.5m	-10	-28.57	-1.84
Stage 6-Scavo H=6.5m	-10.2	-28.67	-0.47
Stage 6-Scavo H=6.5m	-10.4	-28.51	0.78
Stage 6-Scavo H=6.5m	-10.6	-28.13	1.91
Stage 6-Scavo H=6.5m	-10.8	-27.55	2.92
Stage 6-Scavo H=6.5m	-11	-26.78	3.82
Stage 6-Scavo H=6.5m	-11.2	-25.86	4.62
Stage 6-Scavo H=6.5m	-11.4	-24.8	5.31
Stage 6-Scavo H=6.5m	-11.6	-23.62	5.9
Stage 6-Scavo H=6.5m	-11.8	-22.34	6.39
Stage 6-Scavo H=6.5m	-12	-20.98	6.8
Stage 6-Scavo H=6.5m	-12.2	-19.56	7.11
Stage 6-Scavo H=6.5m	-12.4	-18.09	7.34
Stage 6-Scavo H=6.5m	-12.6	-16.59	7.5
Stage 6-Scavo H=6.5m	-12.8	-15.08	7.57
Stage 6-Scavo H=6.5m	-13	-13.56	7.57
Stage 6-Scavo H=6.5m	-13.2	-12.06	7.5
Stage 6-Scavo H=6.5m	-13.4	-10.59	7.35
Stage 6-Scavo H=6.5m	-13.6	-9.16	7.14
Stage 6-Scavo H=6.5m	-13.8	-7.79	6.86
Stage 6-Scavo H=6.5m	-14	-6.49	6.52
Stage 6-Scavo H=6.5m	-14.2	-5.27	6.11
Stage 6-Scavo H=6.5m	-14.4	-4.14	5.63
Stage 6-Scavo H=6.5m	-14.6	-3.12	5.09
Stage 6-Scavo H=6.5m	-14.8	-2.22	4.49
Stage 6-Scavo H=6.5m	-15	-1.46	3.82
Stage 6-Scavo H=6.5m	-15.2	-0.84	3.09
Stage 6-Scavo H=6.5m	-15.4	-0.38	2.29
Stage 6-Scavo H=6.5m	-15.6	-0.1	1.43
Stage 6-Scavo H=6.5m	-15.8	0	0.5

5.3.7. Tabella Risultati Paratia Nominal - Stage: Sismica

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sismica	-1.6	0	-0.75
Sismica	-1.8	-0.15	-0.75
Sismica	-2	-0.6	-2.24
Sismica	-2.2	-1.35	-3.74
Sismica	-2.4	-2.39	-5.23
Sismica	-2.6	-3.74	-6.73
Sismica	-2.8	-5.38	-8.22
Sismica	-3	-7.32	-9.71
Sismica	-3.2	-9.57	-11.21
Sismica	-3.4	-12.11	-12.7
Sismica	-3.6	-14.95	-14.2
Sismica	-3.8	-18.08	-15.69
Sismica	-4	-21.52	-17.19
Sismica	-4.2	-25.26	-18.68
Sismica	-4.4	-29.29	-20.18
Sismica	-4.6	-33.63	-21.67
Sismica	-4.8	-38.26	-23.17
Sismica	-5	-43.19	-24.66
Sismica	-5.2	-48.42	-26.16
Sismica	-5.4	-53.95	-27.65
Sismica	-5.6	-59.78	-29.14
Sismica	-5.8	-65.91	-30.64
Sismica	-6	-72.34	-32.13
Sismica	-6.2	-79.06	-33.63
Sismica	-6.4	-86.09	-35.12
Sismica	-6.6	-93.41	-36.62
Sismica	-6.8	-101.03	-38.11
Sismica	-7	-108.96	-39.61
Sismica	-7.2	-117.18	-41.1
Sismica	-7.4	-125.69	-42.6
Sismica	-7.6	-134.51	-44.09
Sismica	-7.8	-143.64	-45.63
Sismica	-8	-153.14	-47.52
Sismica	-8.2	-163.02	-49.41
Sismica	-8.4	-170.9	-39.37
Sismica	-8.6	-176.72	-29.12
Sismica	-8.8	-180.64	-19.6
Sismica	-9	-182.83	-10.93
Sismica	-9.2	-183.46	-3.17
Sismica	-9.4	-182.69	3.85
Sismica	-9.6	-180.66	10.14
Sismica	-9.8	-177.51	15.75
Sismica	-10	-173.37	20.7
Sismica	-10.2	-168.37	25.04
Sismica	-10.4	-162.61	28.79
Sismica	-10.6	-156.21	31.99
Sismica	-10.8	-149.28	34.68
Sismica	-11	-141.9	36.88
Sismica	-11.2	-134.17	38.64
Sismica	-11.4	-126.18	39.97
Sismica	-11.6	-117.99	40.91
Sismica	-11.8	-109.7	41.48
Sismica	-12	-101.35	41.72
Sismica	-12.2	-93.03	41.63
Sismica	-12.4	-84.78	41.25
Sismica	-12.6	-76.66	40.59
Sismica	-12.8	-68.73	39.67
Sismica	-13	-61.03	38.5
Sismica	-13.2	-53.61	37.11
Sismica	-13.4	-46.51	35.5
Sismica	-13.6	-39.77	33.69
Sismica	-13.8	-33.43	31.68
Sismica	-14	-27.54	29.48
Sismica	-14.2	-22.12	27.1
Sismica	-14.4	-17.21	24.54
Sismica	-14.6	-12.85	21.81
Sismica	-14.8	-9.06	18.92

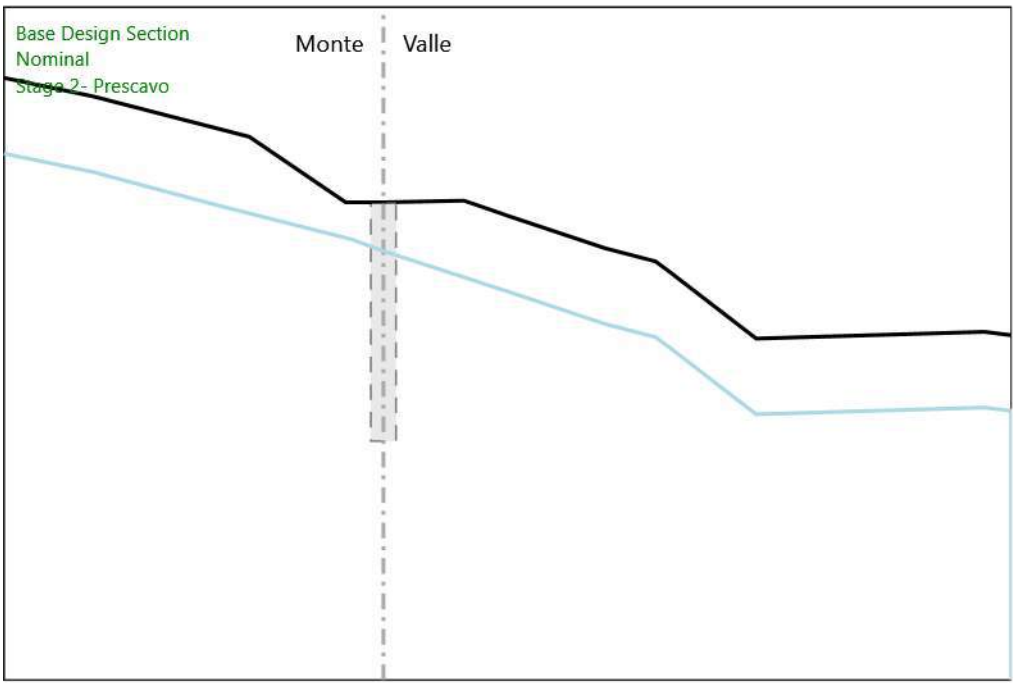
Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Sismica	-15	-5.89	15.85
Sismica	-15.2	-3.37	12.62
Sismica	-15.4	-1.52	9.23
Sismica	-15.6	-0.39	5.67
Sismica	-15.8	0	1.95

5.3.8. Grafico Momento Nominal - Stage: Stage 1



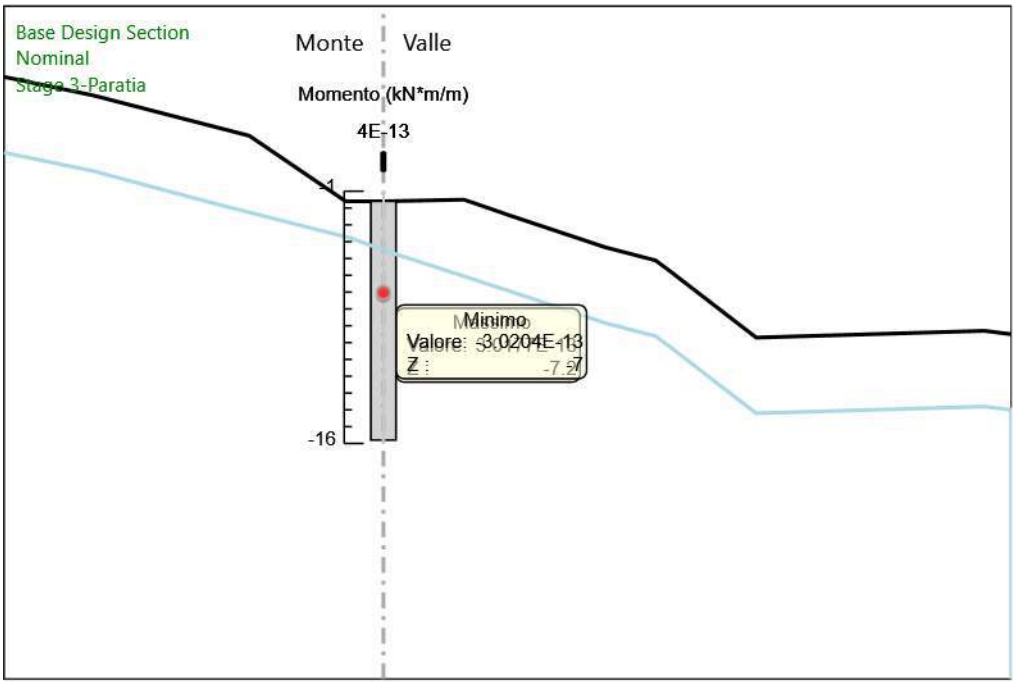
Design Assumption: Nominal
Stage: Stage 1
Momento

5.3.9. Grafico Momento Nominal - Stage: Stage 2- Prescavo



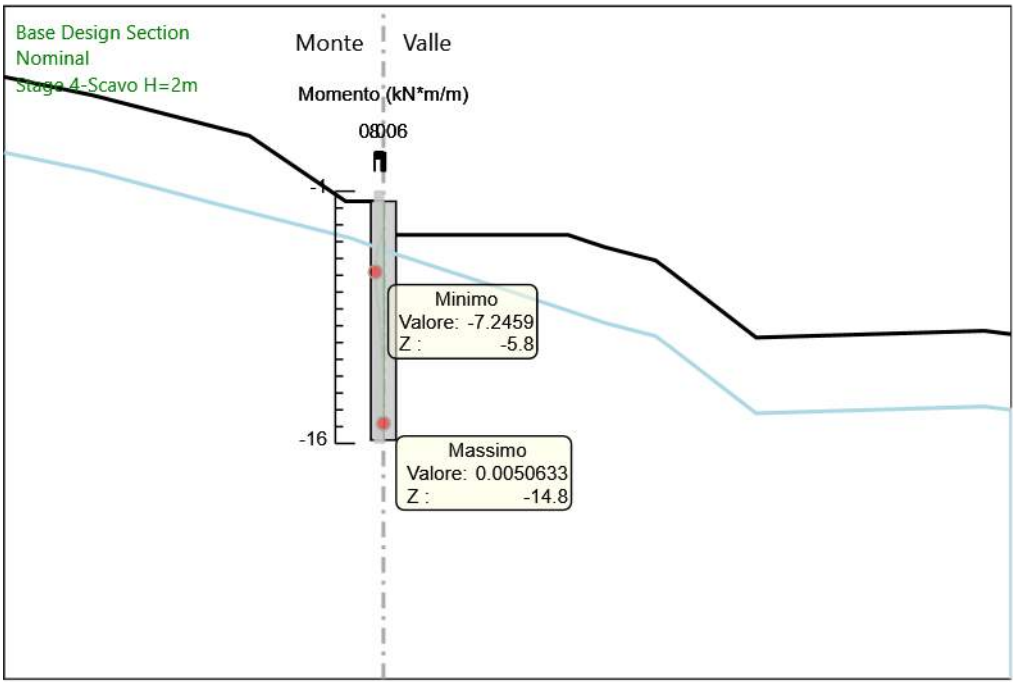
Design Assumption: Nominal
Stage: Stage 2- Prescavo
Momento

5.3.10. Grafico Momento Nominal - Stage: Stage 3-Paratia



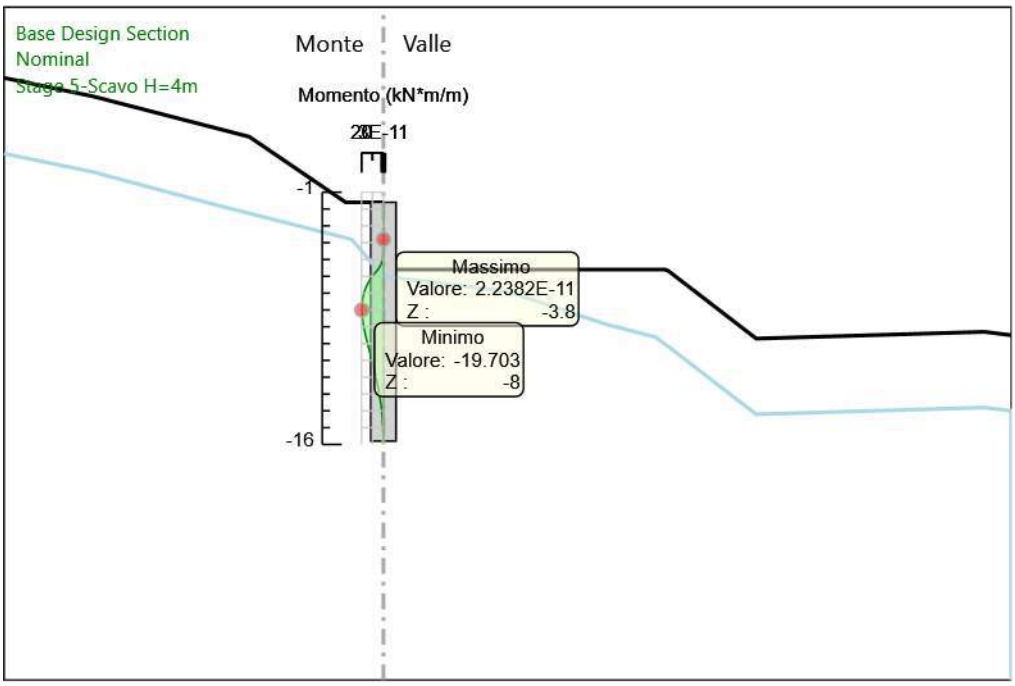
Design Assumption: Nominal
Stage: Stage 3-Paratia
Momento

5.3.11. Grafico Momento Nominal - Stage: Stage 4-Scavo H=2m



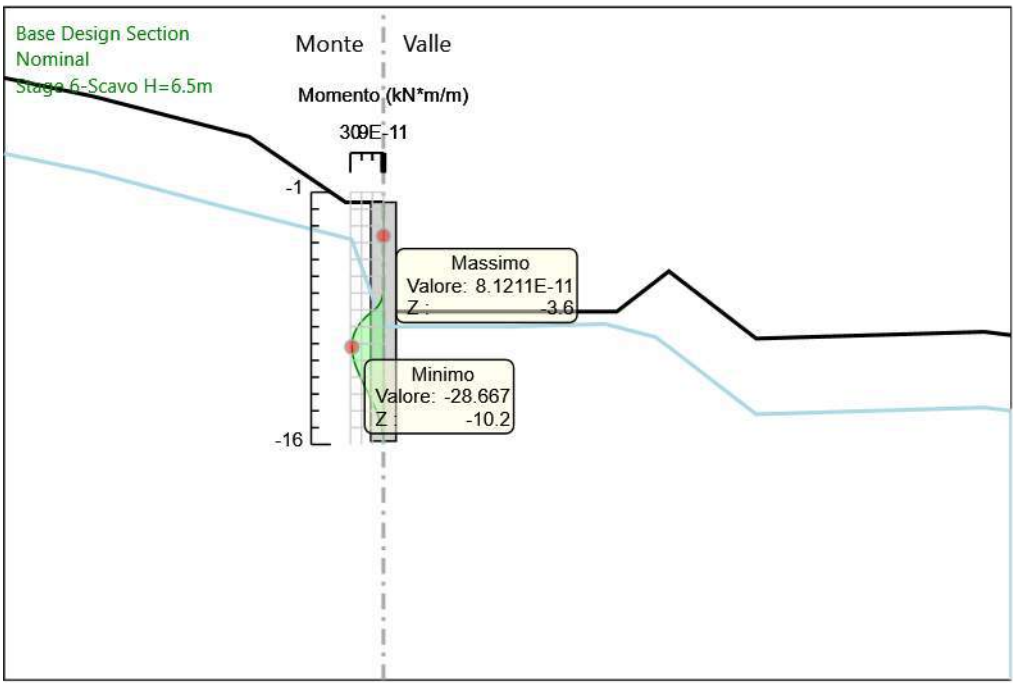
Design Assumption: Nominal
Stage: Stage 4-Scavo H=2m
Momento

5.3.12. Grafico Momento Nominal - Stage: Stage 5-Scavo H=4m



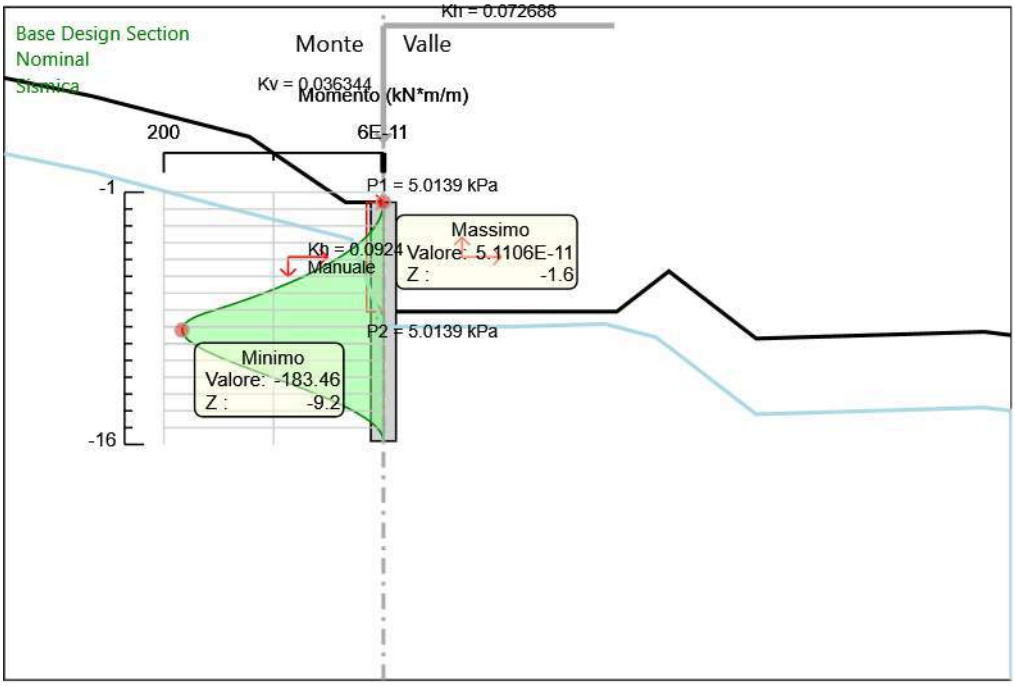
Design Assumption: Nominal
Stage: Stage 5-Scavo H=4m
Momento

5.3.13. Grafico Momento Nominal - Stage: Stage 6-Scavo H=6.5m



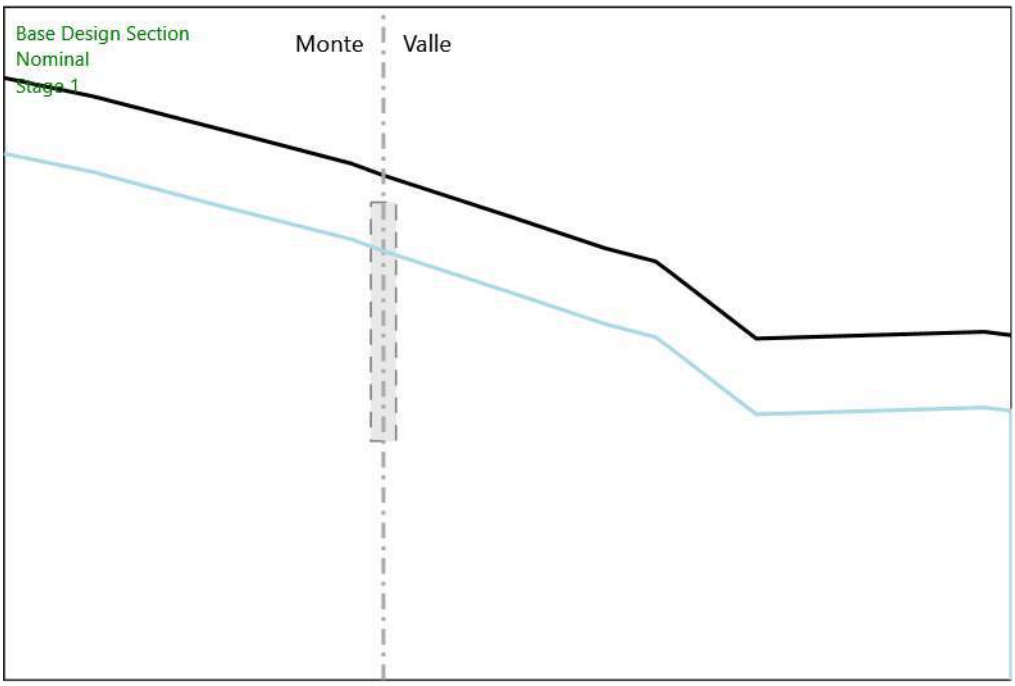
Design Assumption: Nominal
Stage: Stage 6-Scavo H=6.5m
Momento

5.3.14. Grafico Momento Nominal - Stage: Sismica



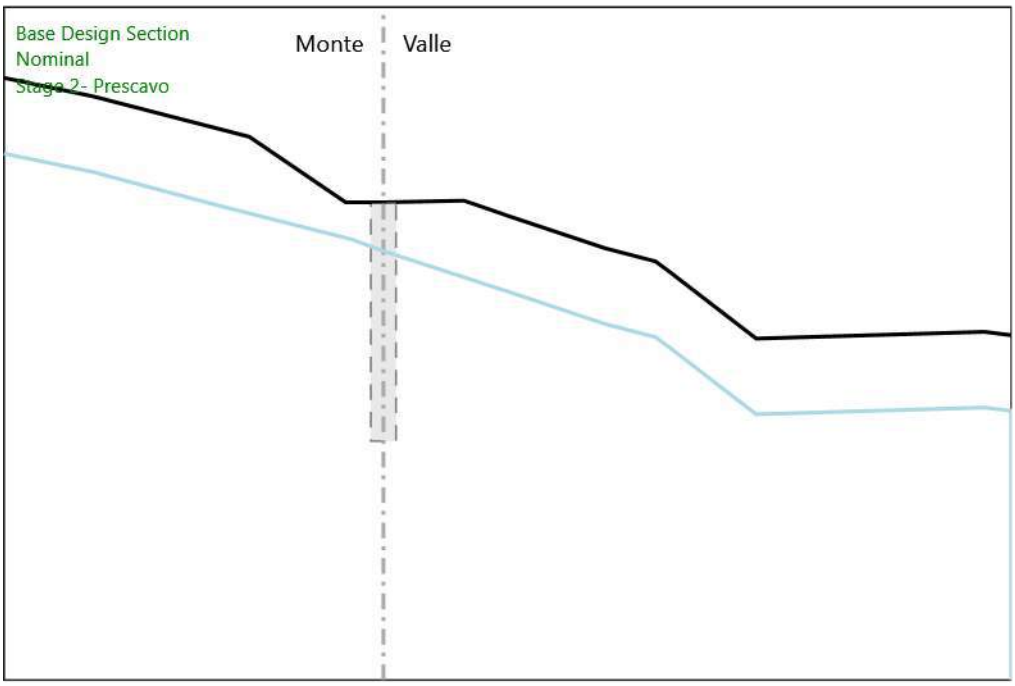
Design Assumption: Nominal
Stage: Sismica
Momento

5.3.15. Grafico Taglio Nominal - Stage: Stage 1



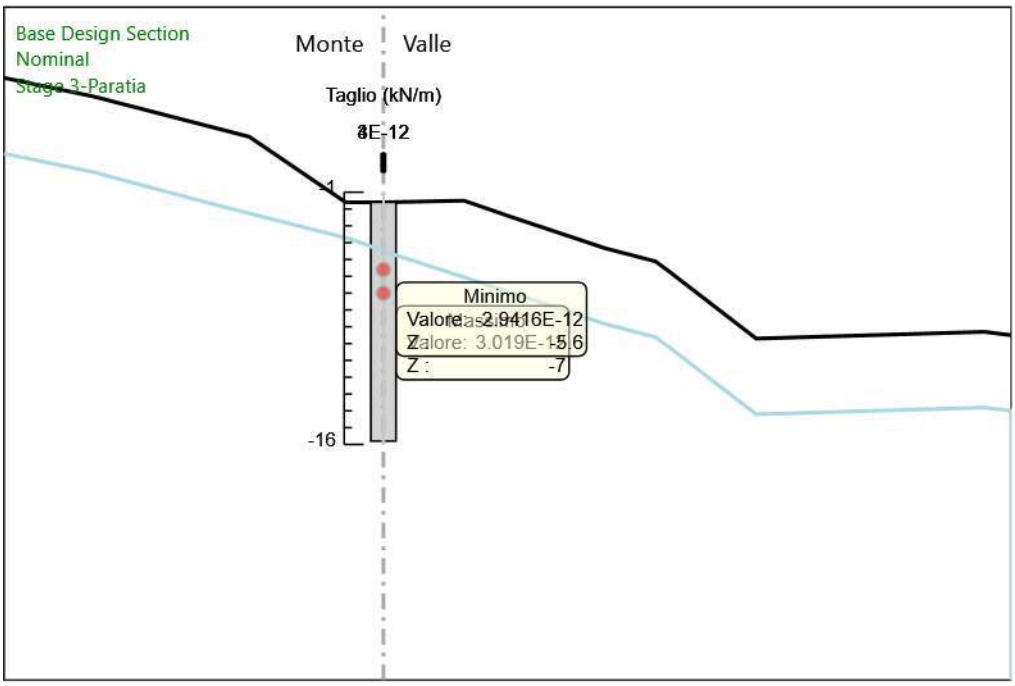
Design Assumption: Nominal
Stage: Stage 1
Taglio

5.3.16. Grafico Taglio Nominal - Stage: Stage 2- Prescavo



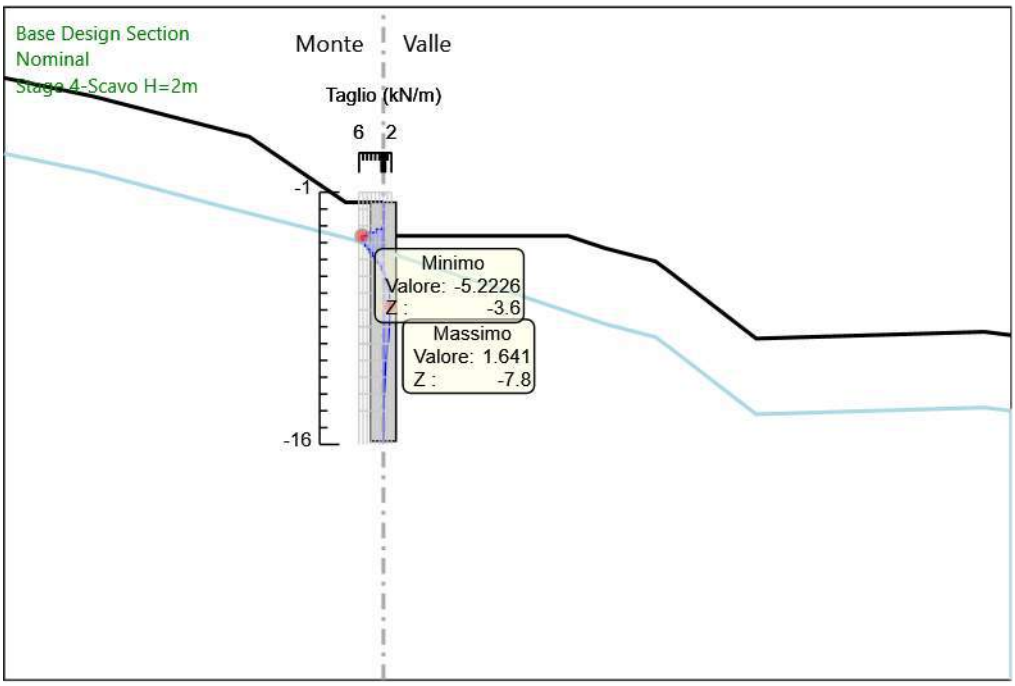
Design Assumption: Nominal
Stage: Stage 2- Prescavo
Taglio

5.3.17. Grafico Taglio Nominal - Stage: Stage 3-Paratia



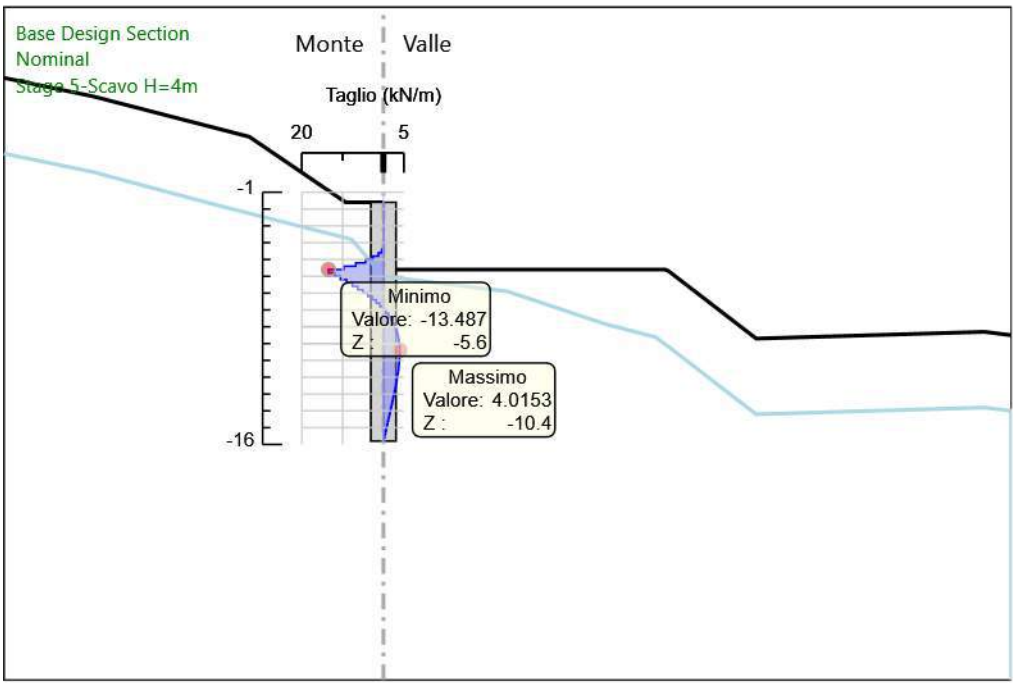
Design Assumption: Nominal
Stage: Stage 3-Paratia
Taglio

5.3.18. Grafico Taglio Nominal - Stage: Stage 4-Scavo H=2m



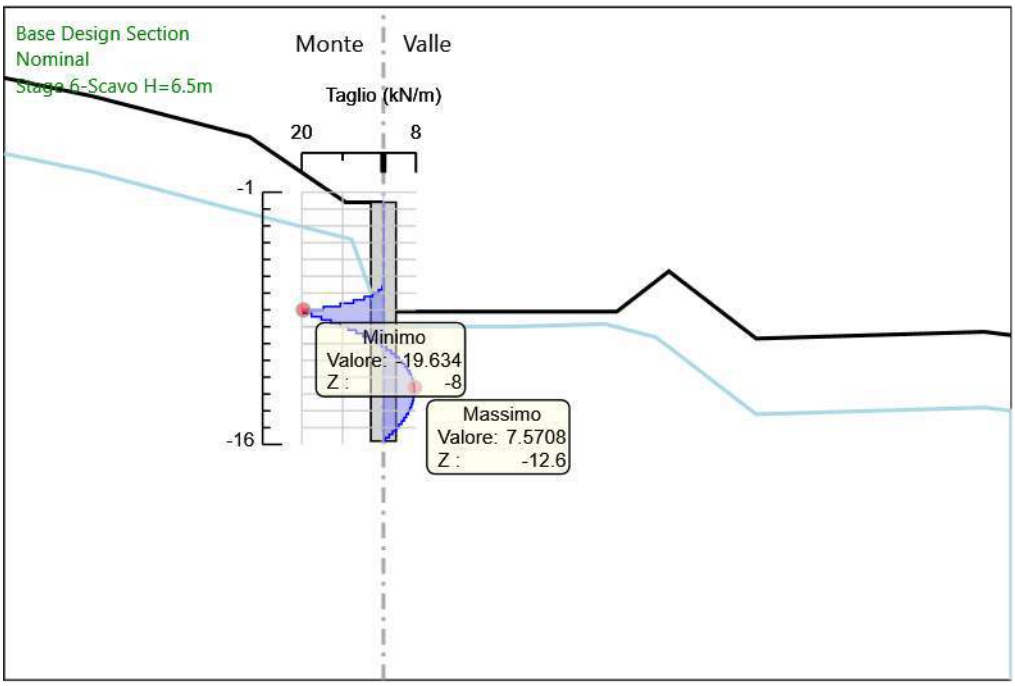
Design Assumption: Nominal
Stage: Stage 4-Scavo H=2m
Taglio

5.3.19. Grafico Taglio Nominal - Stage: Stage 5-Scavo H=4m



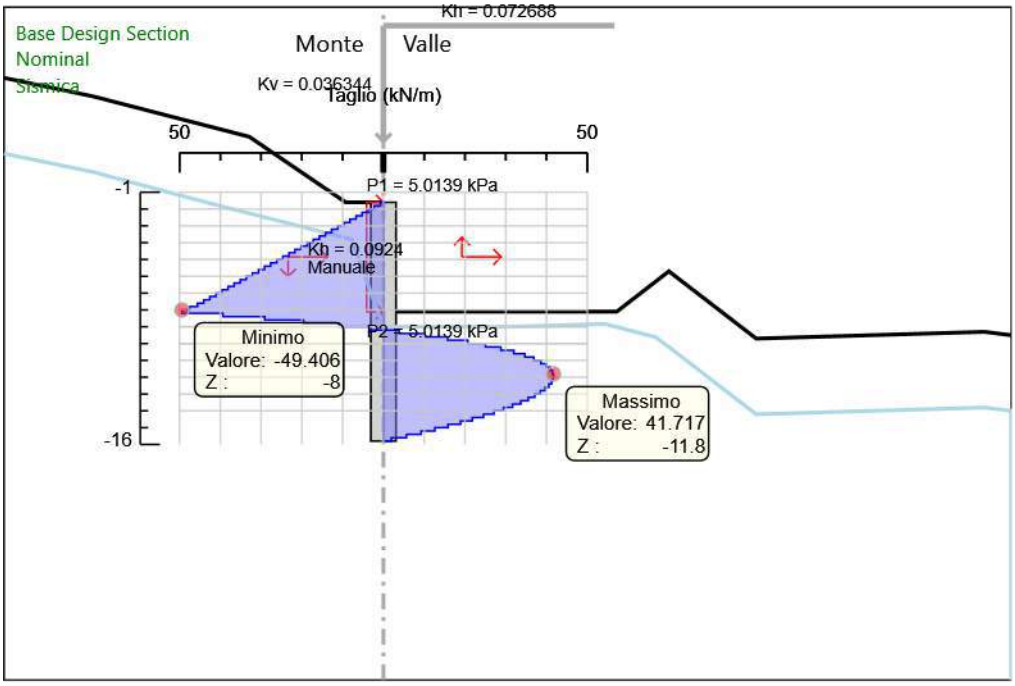
Design Assumption: Nominal
Stage: Stage 5-Scavo H=4m
Taglio

5.3.20. Grafico Taglio Nominal - Stage: Stage 6-Scavo H=6.5m



Design Assumption: Nominal
Stage: Stage 6-Scavo H=6.5m
Taglio

5.3.21. Grafico Taglio Nominal - Stage: Sismica



Design Assumption: Nominal
Stage: Sismica
Taglio

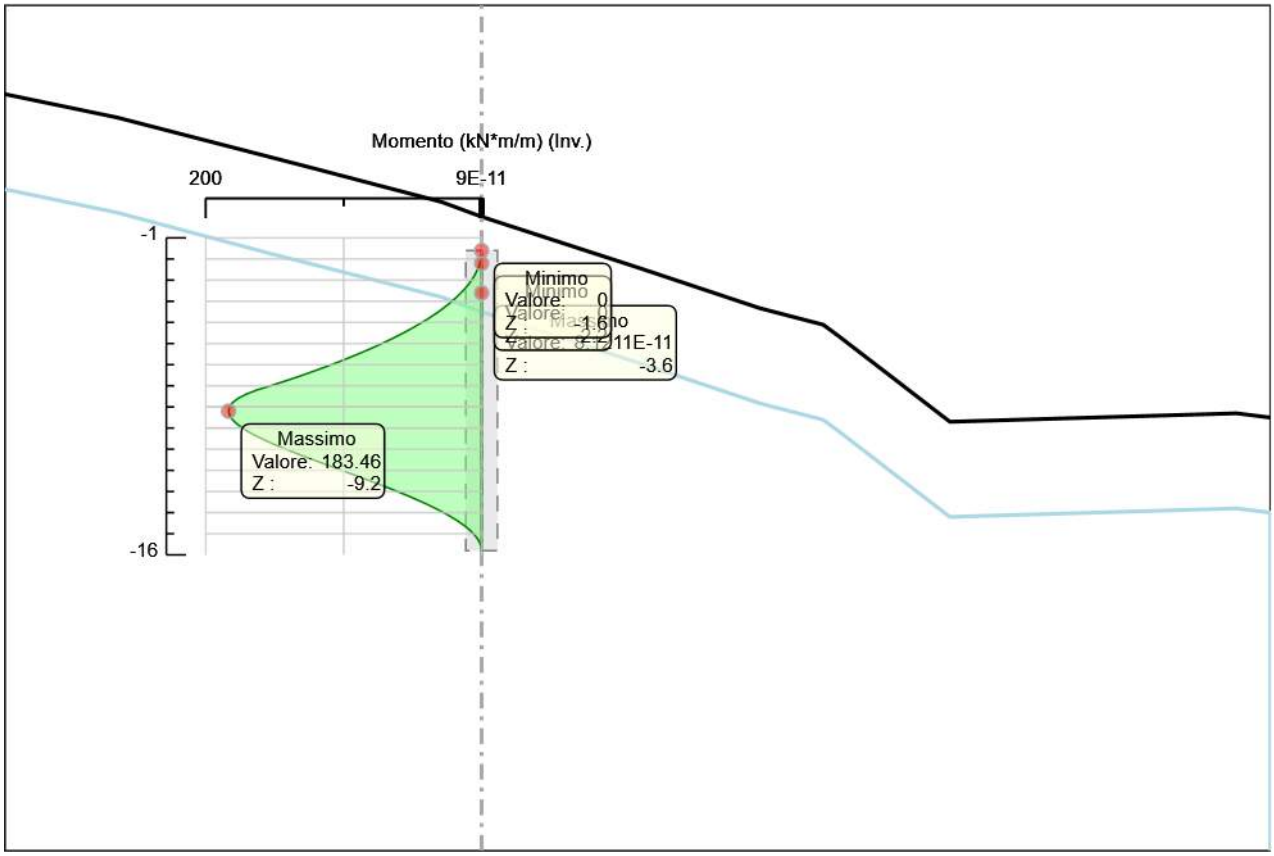
5.4. Inviluppi Risultati Paratia Nominal

5.4.1. Tabella Inviluppi Momento Nominal WallElement

Selected Design Assumptions	Inviluppi: Momento	Muro: WallElement
Z (m)	Lato sinistro (kN*m/m)	Lato destro (kN*m/m)
-1.6	0	0
-1.8	0.149	0
-2	0.598	0
-2.2	1.345	0
-2.4	2.391	0
-2.6	3.736	0
-2.8	5.381	0
-3	7.323	0
-3.2	9.565	0
-3.4	12.106	0
-3.6	14.946	0
-3.8	18.084	0
-4	21.522	0
-4.2	25.259	0
-4.4	29.294	0
-4.6	33.628	0
-4.8	38.261	0
-5	43.194	0
-5.2	48.425	0
-5.4	53.955	0
-5.6	59.783	0
-5.8	65.911	0
-6	72.338	0
-6.2	79.064	0
-6.4	86.088	0
-6.6	93.412	0
-6.8	101.034	0
-7	108.955	0
-7.2	117.175	0
-7.4	125.695	0
-7.6	134.513	0
-7.8	143.638	0
-8	153.142	0
-8.2	163.024	0
-8.4	170.898	0
-8.6	176.722	0
-8.8	180.643	0
-9	182.83	0
-9.2	183.463	0
-9.4	182.693	0
-9.6	180.664	0
-9.8	177.514	0
-10	173.374	0
-10.2	168.366	0
-10.4	162.609	0
-10.6	156.211	0
-10.8	149.275	0
-11	141.898	0
-11.2	134.17	0
-11.4	126.176	0
-11.6	117.994	0
-11.8	109.697	0
-12	101.354	0
-12.2	93.028	0
-12.4	84.778	0
-12.6	76.661	0
-12.8	68.728	0
-13	61.028	0
-13.2	53.606	0
-13.4	46.506	0
-13.6	39.768	0
-13.8	33.433	0
-14	27.538	0
-14.2	22.119	0

Selected Design Assumptions	Inviluppi: Momento	Muro: WallElement
Z (m)	Lato sinistro (kN*m/m)	Lato destro (kN*m/m)
-14.4	17.21	0
-14.6	12.848	0
-14.8	9.064	0
-15	5.894	0
-15.2	3.369	0
-15.4	1.523	0
-15.6	0.389	0
-15.8	0	0

5.4.2. Grafico Inviluppi Momento Nominal



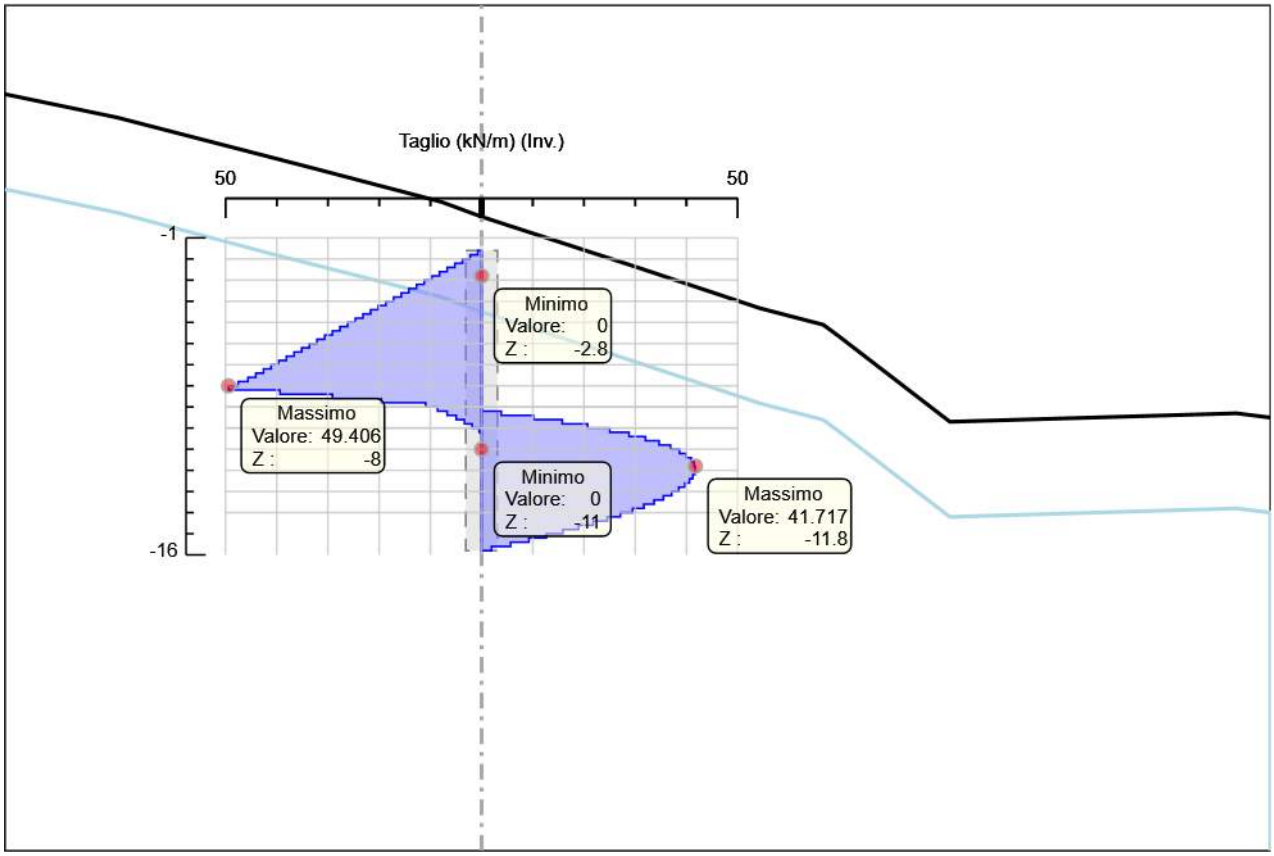
Momento

5.4.3. Tabella Inviluppi Taglio Nominal WallElement

Selected Design Assumptions	Inviluppi: Taglio	Muro: WallElement
Z (m)	Lato sinistro (kN/m)	Lato destro (kN/m)
-1.6	0.747	0
-1.8	2.242	0
-2	3.736	0
-2.2	5.231	0
-2.4	6.726	0
-2.6	8.22	0
-2.8	9.715	0
-3	11.209	0
-3.2	12.704	0
-3.4	14.199	0
-3.6	15.693	0
-3.8	17.188	0
-4	18.682	0
-4.2	20.177	0
-4.4	21.672	0
-4.6	23.166	0
-4.8	24.661	0
-5	26.155	0
-5.2	27.65	0
-5.4	29.144	0
-5.6	30.639	0
-5.8	32.134	0
-6	33.628	0
-6.2	35.123	0
-6.4	36.617	0
-6.6	38.112	0
-6.8	39.607	0
-7	41.101	0
-7.2	42.596	0
-7.4	44.09	0
-7.6	45.626	0
-7.8	47.523	0
-8	49.406	0
-8.2	49.406	0
-8.4	39.372	0
-8.6	29.121	0
-8.8	19.603	0
-9	10.935	0
-9.2	8.602	3.85
-9.4	6.72	10.143
-9.6	4.965	15.749
-9.8	3.34	20.702
-10	1.842	25.036
-10.2	0.47	28.788
-10.4	0	31.991
-10.6	0	34.679
-10.8	0	36.885
-11	0	38.639
-11.2	0	39.972
-11.4	0	40.912
-11.6	0	41.485
-11.8	0	41.717
-12	0	41.717
-12.2	0	41.63
-12.4	0	41.247
-12.6	0	40.586
-12.8	0	39.666
-13	0	38.502
-13.2	0	37.109
-13.4	0	35.5
-13.6	0	33.686
-13.8	0	31.675
-14	0	29.477
-14.2	0	27.097
-14.4	0	24.541
-14.6	0	21.813
-14.8	0	18.917

Selected Design Assumptions	Inviluppi: Taglio	Muro: WallElement
Z (m)	Lato sinistro (kN/m)	Lato destro (kN/m)
-15	0	15.853
-15.2	0	12.624
-15.4	0	9.229
-15.6	0	5.67
-15.8	0	1.945

5.4.4. Grafico Inviluppi Taglio Nominal



Taglio

5.5. Risultati Terreno

5.5.1. Tabella Risultati Terreno Left Wall - Nominal - Stage 1

Design Assumption: Nominal	Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 1	-1.6	32	16	V-C	0.5	4.773	10	0	0	0	16
Stage 1	-1.8	36	18	V-C	0.5	4.773	10	0	0	0	18
Stage 1	-2	40	20	V-C	0.5	4.773	10	0	0	0	20
Stage 1	-2.2	44	22	V-C	0.5	4.773	10	0	0	0	22
Stage 1	-2.4	48	24	V-C	0.5	4.773	10	0	0	0	24
Stage 1	-2.6	52	26	V-C	0.5	4.773	10	0	0	0	26
Stage 1	-2.8	56	28	V-C	0.5	4.773	10	0	0	0	28
Stage 1	-3	60	30	V-C	0.5	4.773	10	0	0	0	30
Stage 1	-3.2	64	32	V-C	0.353	6.191	63	0	0	0	32
Stage 1	-3.4	68.6	34.3	V-C	0.353	6.191	63	0	0	0	34.3
Stage 1	-3.6	73.2	36.6	V-C	0.353	6.191	63	0	0	0	36.6
Stage 1	-3.8	77.8	38.9	V-C	0.353	6.191	63	0	0	0	38.9
Stage 1	-4	82.4	41.2	V-C	0.353	6.191	63	0	0	0	41.2
Stage 1	-4.2	87	43.5	V-C	0.353	6.191	63	0	0	0	43.5
Stage 1	-4.4	90.7	44.979	UL-RL	0.353	6.191	63	0.9	0.016	0	45.879
Stage 1	-4.6	93.331	45.484	UL-RL	0.353	6.191	63	2.869	0.016	0	48.352
Stage 1	-4.8	95.963	46.539	UL-RL	0.353	6.191	63	4.837	0.016	0	51.376
Stage 1	-5	98.595	47.881	UL-RL	0.353	6.191	63	6.805	0.016	0	54.686
Stage 1	-5.2	101.227	49.223	UL-RL	0.353	6.191	63	8.773	0.016	0	57.996
Stage 1	-5.4	103.859	50.565	UL-RL	0.353	6.191	63	10.741	0.016	0	61.307
Stage 1	-5.6	106.49	51.907	UL-RL	0.353	6.191	63	12.709	0.016	0	64.617
Stage 1	-5.8	109.122	53.25	UL-RL	0.353	6.191	63	14.678	0.016	0	67.927
Stage 1	-6	111.754	54.592	UL-RL	0.353	6.191	63	16.646	0.016	0	71.237
Stage 1	-6.2	114.386	55.934	UL-RL	0.353	6.191	63	18.614	0.016	0	74.548
Stage 1	-6.4	117.018	57.276	UL-RL	0.353	6.191	63	20.582	0.016	0	77.858
Stage 1	-6.6	119.65	58.618	UL-RL	0.353	6.191	63	22.55	0.016	0	81.168
Stage 1	-6.8	122.282	59.96	UL-RL	0.353	6.191	63	24.518	0.016	0	84.479
Stage 1	-7	124.913	61.302	UL-RL	0.353	6.191	63	26.487	0.016	0	87.789
Stage 1	-7.2	127.545	62.645	UL-RL	0.353	6.191	63	28.455	0.016	0	91.099
Stage 1	-7.4	130.177	63.987	UL-RL	0.353	6.191	63	30.423	0.016	0	94.41
Stage 1	-7.6	132.809	65.329	UL-RL	0.353	6.191	63	32.391	0.016	0	97.72
Stage 1	-7.8	135.441	66.671	UL-RL	0.353	6.191	63	34.359	0.016	0	101.03
Stage 1	-8	138.072	68.013	UL-RL	0.353	6.191	63	36.327	0.016	0	104.341
Stage 1	-8.2	140.704	69.355	UL-RL	0.353	6.191	63	38.296	0.016	0	107.651
Stage 1	-8.4	143.336	70.697	UL-RL	0.353	6.191	63	40.264	0.016	0	110.961
Stage 1	-8.6	145.968	72.04	UL-RL	0.353	6.191	63	42.232	0.016	0	114.272
Stage 1	-8.8	148.6	73.382	UL-RL	0.353	6.191	63	44.2	0.016	0	117.582
Stage 1	-9	151.232	74.724	UL-RL	0.353	6.191	63	46.168	0.016	0	120.892
Stage 1	-9.2	153.863	76.066	UL-RL	0.353	6.191	63	48.136	0.016	0	124.202
Stage 1	-9.4	156.495	77.408	UL-RL	0.353	6.191	63	50.105	0.016	0	127.513
Stage 1	-9.6	159.127	78.75	UL-RL	0.353	6.191	63	52.073	0.016	0	130.823
Stage 1	-9.8	161.759	80.092	UL-RL	0.353	6.191	63	54.041	0.016	0	134.134
Stage 1	-10	164.391	81.435	UL-RL	0.353	6.191	63	56.009	0.016	0	137.444
Stage 1	-10.2	167.023	82.777	UL-RL	0.353	6.191	63	57.977	0.016	0	140.754
Stage 1	-10.4	169.654	84.119	UL-RL	0.353	6.191	63	59.945	0.016	0	144.064
Stage 1	-10.6	172.286	85.461	UL-RL	0.353	6.191	63	61.914	0.016	0	147.375
Stage 1	-10.8	174.918	86.803	UL-RL	0.353	6.191	63	63.882	0.016	0	150.685
Stage 1	-11	177.55	88.145	UL-RL	0.353	6.191	63	65.85	0.016	0	153.995
Stage 1	-11.2	180.182	89.487	UL-RL	0.353	6.191	63	67.818	0.016	0	157.306
Stage 1	-11.4	182.814	90.83	UL-RL	0.353	6.191	63	69.786	0.016	0	160.616
Stage 1	-11.6	185.445	92.172	UL-RL	0.353	6.191	63	71.754	0.016	0	163.926
Stage 1	-11.8	188.077	93.514	UL-RL	0.353	6.191	63	73.723	0.016	0	167.236
Stage 1	-12	190.709	94.856	UL-RL	0.353	6.191	63	75.691	0.016	0	170.547
Stage 1	-12.2	193.341	96.198	UL-RL	0.353	6.191	63	77.659	0.016	0	173.857
Stage 1	-12.4	195.973	97.54	UL-RL	0.353	6.191	63	79.627	0.016	0	177.168
Stage 1	-12.6	198.604	98.883	UL-RL	0.353	6.191	63	81.595	0.016	0	180.478
Stage 1	-12.8	201.236	100.225	UL-RL	0.353	6.191	63	83.563	0.016	0	183.788
Stage 1	-13	203.868	101.567	UL-RL	0.353	6.191	63	85.532	0.016	0	187.098
Stage 1	-13.2	206.5	102.909	UL-RL	0.353	6.191	63	87.5	0.016	0	190.409
Stage 1	-13.4	209.132	104.251	UL-RL	0.353	6.191	63	89.468	0.016	0	193.719
Stage 1	-13.6	211.764	105.593	UL-RL	0.353	6.191	63	91.436	0.016	0	197.029
Stage 1	-13.8	214.396	106.935	UL-RL	0.353	6.191	63	93.404	0.016	0	200.34
Stage 1	-14	217.027	108.278	UL-RL	0.353	6.191	63	95.372	0.016	0	203.65
Stage 1	-14.2	219.659	109.62	UL-RL	0.353	6.191	63	97.341	0.016	0	206.96

Design Assumption: Nominal	Risultati Terreno	Muro: LEFT			Lato LEFT					
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 1	-14.4	222.291	110.962	UL-RL	0.353	6.191	63	99.309	0.016	0	210.271
Stage 1	-14.6	224.923	112.304	UL-RL	0.353	6.191	63	101.277	0.016	0	213.581
Stage 1	-14.8	227.555	113.646	UL-RL	0.353	6.191	63	103.245	0.016	0	216.891
Stage 1	-15	230.186	114.988	UL-RL	0.353	6.191	63	105.213	0.016	0	220.202
Stage 1	-15.2	232.818	116.33	UL-RL	0.353	6.191	63	107.182	0.016	0	223.512
Stage 1	-15.4	235.45	117.673	UL-RL	0.353	6.191	63	109.15	0.016	0	226.822
Stage 1	-15.6	238.082	119.015	UL-RL	0.353	6.191	63	111.118	0.016	0	230.133
Stage 1	-15.8	240.714	120.357	V-C	0.353	6.191	63	113.086	0.016	0	233.443

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 1	-1.6	32	16	V-C	0.284	1.667	10	0	0	0	16
Stage 1	-1.8	36	18	V-C	0.284	1.667	10	0	0	0	18
Stage 1	-2	40	20	V-C	0.284	1.667	10	0	0	0	20
Stage 1	-2.2	44	22	V-C	0.284	1.667	10	0	0	0	22
Stage 1	-2.4	48	24	V-C	0.284	1.667	10	0	0	0	24
Stage 1	-2.6	52	26	V-C	0.284	1.667	10	0	0	0	26
Stage 1	-2.8	56	28	V-C	0.284	1.667	10	0	0	0	28
Stage 1	-3	60	30	V-C	0.284	1.667	10	0	0	0	30
Stage 1	-3.2	64	32	V-C	0.234	2.189	63	0	0	0	32
Stage 1	-3.4	68.6	34.3	V-C	0.234	2.189	63	0	0	0	34.3
Stage 1	-3.6	73.2	36.6	V-C	0.234	2.189	63	0	0	0	36.6
Stage 1	-3.8	77.8	38.9	V-C	0.234	2.189	63	0	0	0	38.9
Stage 1	-4	82.4	41.2	V-C	0.234	2.189	63	0	0	0	41.2
Stage 1	-4.2	87	43.5	V-C	0.234	2.189	63	0	0	0	43.5
Stage 1	-4.4	91.6	45.879	V-C	0.234	2.189	63	0	0	0	45.879
Stage 1	-4.6	96.2	48.352	V-C	0.234	2.189	63	0	0	0	48.352
Stage 1	-4.8	99.465	50.04	V-C	0.234	2.189	63	1.335	0.016	0	51.376
Stage 1	-5	102.033	51.319	V-C	0.234	2.189	63	3.367	0.016	0	54.686
Stage 1	-5.2	104.601	52.597	V-C	0.234	2.189	63	5.399	0.016	0	57.996
Stage 1	-5.4	107.169	53.876	V-C	0.234	2.189	63	7.431	0.016	0	61.307
Stage 1	-5.6	109.737	55.154	V-C	0.234	2.189	63	9.463	0.016	0	64.617
Stage 1	-5.8	112.305	56.433	V-C	0.234	2.189	63	11.495	0.016	0	67.927
Stage 1	-6	114.874	57.711	V-C	0.234	2.189	63	13.526	0.016	0	71.237
Stage 1	-6.2	117.442	58.99	V-C	0.234	2.189	63	15.558	0.016	0	74.548
Stage 1	-6.4	120.01	60.268	V-C	0.234	2.189	63	17.59	0.016	0	77.858
Stage 1	-6.6	122.578	61.547	V-C	0.234	2.189	63	19.622	0.016	0	81.168
Stage 1	-6.8	125.146	62.825	V-C	0.234	2.189	63	21.654	0.016	0	84.479
Stage 1	-7	127.714	64.104	V-C	0.234	2.189	63	23.686	0.016	0	87.789
Stage 1	-7.2	130.283	65.382	V-C	0.234	2.189	63	25.717	0.016	0	91.099
Stage 1	-7.4	132.851	66.66	V-C	0.234	2.189	63	27.749	0.016	0	94.41
Stage 1	-7.6	135.419	67.939	V-C	0.234	2.189	63	29.781	0.016	0	97.72
Stage 1	-7.8	137.987	69.217	V-C	0.234	2.189	63	31.813	0.016	0	101.03
Stage 1	-8	140.555	70.496	V-C	0.234	2.189	63	33.845	0.016	0	104.341
Stage 1	-8.2	143.123	71.774	V-C	0.234	2.189	63	35.877	0.016	0	107.651
Stage 1	-8.4	145.692	73.053	V-C	0.234	2.189	63	37.908	0.016	0	110.961
Stage 1	-8.6	148.26	74.331	V-C	0.234	2.189	63	39.94	0.016	0	114.272
Stage 1	-8.8	150.828	75.61	V-C	0.234	2.189	63	41.972	0.016	0	117.582
Stage 1	-9	153.396	76.888	V-C	0.234	2.189	63	44.004	0.016	0	120.892
Stage 1	-9.2	155.964	78.167	V-C	0.234	2.189	63	46.036	0.016	0	124.202
Stage 1	-9.4	158.532	79.445	V-C	0.234	2.189	63	48.067	0.016	0	127.513
Stage 1	-9.6	161.101	80.724	V-C	0.234	2.189	63	50.099	0.016	0	130.823
Stage 1	-9.8	163.669	82.002	V-C	0.234	2.189	63	52.131	0.016	0	134.134
Stage 1	-10	166.237	83.281	V-C	0.234	2.189	63	54.163	0.016	0	137.444
Stage 1	-10.2	168.805	84.559	V-C	0.234	2.189	63	56.195	0.016	0	140.754
Stage 1	-10.4	171.373	85.838	V-C	0.234	2.189	63	58.227	0.016	0	144.064
Stage 1	-10.6	173.941	87.116	V-C	0.234	2.189	63	60.258	0.016	0	147.375
Stage 1	-10.8	176.51	88.395	V-C	0.234	2.189	63	62.29	0.016	0	150.685
Stage 1	-11	179.078	89.673	V-C	0.234	2.189	63	64.322	0.016	0	153.995
Stage 1	-11.2	181.646	90.952	V-C	0.234	2.189	63	66.354	0.016	0	157.306
Stage 1	-11.4	184.214	92.23	V-C	0.234	2.189	63	68.386	0.016	0	160.616
Stage 1	-11.6	186.782	93.509	V-C	0.234	2.189	63	70.418	0.016	0	163.926
Stage 1	-11.8	189.35	94.787	V-C	0.234	2.189	63	72.449	0.016	0	167.236
Stage 1	-12	191.918	96.066	V-C	0.234	2.189	63	74.481	0.016	0	170.547
Stage 1	-12.2	194.487	97.344	V-C	0.234	2.189	63	76.513	0.016	0	173.857
Stage 1	-12.4	197.055	98.623	V-C	0.234	2.189	63	78.545	0.016	0	177.168
Stage 1	-12.6	199.623	99.901	V-C	0.234	2.189	63	80.577	0.016	0	180.478
Stage 1	-12.8	202.191	101.18	V-C	0.234	2.189	63	82.609	0.016	0	183.788
Stage 1	-13	204.759	102.458	V-C	0.234	2.189	63	84.64	0.016	0	187.098
Stage 1	-13.2	207.328	103.737	V-C	0.234	2.189	63	86.672	0.016	0	190.409
Stage 1	-13.4	209.896	105.015	V-C	0.234	2.189	63	88.704	0.016	0	193.719
Stage 1	-13.6	212.464	106.294	V-C	0.234	2.189	63	90.736	0.016	0	197.029
Stage 1	-13.8	215.032	107.572	V-C	0.234	2.189	63	92.768	0.016	0	200.34
Stage 1	-14	217.6	108.85	V-C	0.234	2.189	63	94.8	0.016	0	203.65
Stage 1	-14.2	220.168	110.129	V-C	0.234	2.189	63	96.831	0.016	0	206.96
Stage 1	-14.4	222.737	111.408	V-C	0.234	2.189	63	98.863	0.016	0	210.271
Stage 1	-14.6	225.305	112.686	V-C	0.234	2.189	63	100.895	0.016	0	213.581
Stage 1	-14.8	227.873	113.964	V-C	0.234	2.189	63	102.927	0.016	0	216.891
Stage 1	-15	230.441	115.243	V-C	0.234	2.189	63	104.959	0.016	0	220.202
Stage 1	-15.2	233.009	116.521	V-C	0.234	2.189	63	106.99	0.016	0	223.512
Stage 1	-15.4	235.577	117.8	V-C	0.234	2.189	63	109.022	0.016	0	226.822

Design Assumption: Nominal		Risultati Terreno		Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq	
Stage 1	-15.6	238.146	119.078	V-C	0.234	2.189	63	111.054	0.016	0	230.133	
Stage 1	-15.8	240.714	120.357	V-C	0.234	2.189	63	113.086	0.016	0	233.443	

5.5.2. Tabella Risultati Terreno Left Wall - Nominal - Stage 2- Prescavo

Design Assumption: Nominal	Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 2- Prescavo	-1.6	0	0	UL-RL	0.344	4.867	10	0	0	0	0
Stage 2- Prescavo	-1.8	4	6	UL-RL	0.344	4.867	10	0	0	0	6
Stage 2- Prescavo	-2	8	8.944	UL-RL	0.344	4.867	10	0	0	0	8.944
Stage 2- Prescavo	-2.2	12	11.489	UL-RL	0.344	4.867	10	0	0	0	11.489
Stage 2- Prescavo	-2.4	16	13.856	UL-RL	0.344	4.867	10	0	0	0	13.856
Stage 2- Prescavo	-2.6	20	16.125	UL-RL	0.344	4.867	10	0	0	0	16.125
Stage 2- Prescavo	-2.8	24	18.33	UL-RL	0.344	4.867	10	0	0	0	18.33
Stage 2- Prescavo	-3	28	20.494	UL-RL	0.344	4.867	10	0	0	0	20.494
Stage 2- Prescavo	-3.2	32	22.627	UL-RL	0.395	6.59	63	0	0	0	22.627
Stage 2- Prescavo	-3.4	36.6	25.054	UL-RL	0.395	6.59	63	0	0	0	25.054
Stage 2- Prescavo	-3.6	41.2	27.458	UL-RL	0.395	6.59	63	0	0	0	27.458
Stage 2- Prescavo	-3.8	45.8	29.846	UL-RL	0.395	6.59	63	0	0	0	29.846
Stage 2- Prescavo	-4	50.4	32.222	UL-RL	0.395	6.59	63	0	0	0	32.222
Stage 2- Prescavo	-4.2	55	34.587	UL-RL	0.395	6.59	63	0	0	0	34.587
Stage 2- Prescavo	-4.4	58.7	36.118	UL-RL	0.395	6.59	63	0.9	0.016	0	37.019
Stage 2- Prescavo	-4.6	61.331	36.666	UL-RL	0.395	6.59	63	2.869	0.016	0	39.534
Stage 2- Prescavo	-4.8	63.963	37.751	UL-RL	0.395	6.59	63	4.837	0.016	0	42.588
Stage 2- Prescavo	-5	66.595	39.118	UL-RL	0.395	6.59	63	6.805	0.016	0	45.923
Stage 2- Prescavo	-5.2	69.227	40.483	UL-RL	0.395	6.59	63	8.773	0.016	0	49.256
Stage 2- Prescavo	-5.4	71.859	41.847	UL-RL	0.395	6.59	63	10.741	0.016	0	52.588
Stage 2- Prescavo	-5.6	74.491	43.21	UL-RL	0.395	6.59	63	12.709	0.016	0	55.919
Stage 2- Prescavo	-5.8	77.122	44.571	UL-RL	0.395	6.59	63	14.678	0.016	0	59.249
Stage 2- Prescavo	-6	79.754	45.932	UL-RL	0.395	6.59	63	16.646	0.016	0	62.578
Stage 2- Prescavo	-6.2	82.386	47.291	UL-RL	0.395	6.59	63	18.614	0.016	0	65.905
Stage 2- Prescavo	-6.4	85.018	48.65	UL-RL	0.395	6.59	63	20.582	0.016	0	69.232
Stage 2- Prescavo	-6.6	87.65	50.007	UL-RL	0.395	6.59	63	22.55	0.016	0	72.558
Stage 2- Prescavo	-6.8	90.282	51.364	UL-RL	0.395	6.59	63	24.518	0.016	0	75.883
Stage 2- Prescavo	-7	92.913	52.721	UL-RL	0.395	6.59	63	26.487	0.016	0	79.207
Stage 2- Prescavo	-7.2	95.545	54.076	UL-RL	0.395	6.59	63	28.455	0.016	0	82.531
Stage 2- Prescavo	-7.4	98.177	55.431	UL-RL	0.395	6.59	63	30.423	0.016	0	85.854
Stage 2- Prescavo	-7.6	100.809	56.786	UL-RL	0.395	6.59	63	32.391	0.016	0	89.177
Stage 2- Prescavo	-7.8	103.441	58.14	UL-RL	0.395	6.59	63	34.359	0.016	0	92.499
Stage 2- Prescavo	-8	106.072	59.493	UL-RL	0.395	6.59	63	36.327	0.016	0	95.821
Stage 2- Prescavo	-8.2	108.704	60.846	UL-RL	0.395	6.59	63	38.296	0.016	0	99.142
Stage 2- Prescavo	-8.4	111.336	62.198	UL-RL	0.395	6.59	63	40.264	0.016	0	102.462
Stage 2- Prescavo	-8.6	113.968	63.551	UL-RL	0.395	6.59	63	42.232	0.016	0	105.782
Stage 2- Prescavo	-8.8	116.6	64.902	UL-RL	0.395	6.59	63	44.2	0.016	0	109.102
Stage 2- Prescavo	-9	119.232	66.254	UL-RL	0.395	6.59	63	46.168	0.016	0	112.422
Stage 2- Prescavo	-9.2	121.863	67.605	UL-RL	0.395	6.59	63	48.136	0.016	0	115.741
Stage 2- Prescavo	-9.4	124.495	68.955	UL-RL	0.395	6.59	63	50.105	0.016	0	119.06
Stage 2- Prescavo	-9.6	127.127	70.306	UL-RL	0.395	6.59	63	52.073	0.016	0	122.378
Stage 2- Prescavo	-9.8	129.759	71.656	UL-RL	0.395	6.59	63	54.041	0.016	0	125.696
Stage 2- Prescavo	-10	132.391	73.005	UL-RL	0.395	6.59	63	56.009	0.016	0	129.014
Stage 2- Prescavo	-10.2	135.023	74.355	UL-RL	0.395	6.59	63	57.977	0.016	0	132.332
Stage 2- Prescavo	-10.4	137.654	75.704	UL-RL	0.395	6.59	63	59.945	0.016	0	135.65
Stage 2- Prescavo	-10.6	140.286	77.053	UL-RL	0.395	6.59	63	61.914	0.016	0	138.967
Stage 2- Prescavo	-10.8	142.918	78.402	UL-RL	0.395	6.59	63	63.882	0.016	0	142.284
Stage 2- Prescavo	-11	145.55	79.75	UL-RL	0.395	6.59	63	65.85	0.016	0	145.6
Stage 2- Prescavo	-11.2	148.182	81.099	UL-RL	0.395	6.59	63	67.818	0.016	0	148.917
Stage 2- Prescavo	-11.4	150.814	82.447	UL-RL	0.395	6.59	63	69.786	0.016	0	152.233
Stage 2- Prescavo	-11.6	153.445	83.795	UL-RL	0.395	6.59	63	71.754	0.016	0	155.55
Stage 2- Prescavo	-11.8	156.077	85.143	UL-RL	0.395	6.59	63	73.723	0.016	0	158.866
Stage 2- Prescavo	-12	158.709	86.491	UL-RL	0.395	6.59	63	75.691	0.016	0	162.181
Stage 2- Prescavo	-12.2	161.341	87.838	UL-RL	0.395	6.59	63	77.659	0.016	0	165.497
Stage 2- Prescavo	-12.4	163.973	89.185	UL-RL	0.395	6.59	63	79.627	0.016	0	168.812
Stage 2- Prescavo	-12.6	166.604	90.533	UL-RL	0.395	6.59	63	81.595	0.016	0	172.128
Stage 2- Prescavo	-12.8	169.236	91.88	UL-RL	0.395	6.59	63	83.563	0.016	0	175.443
Stage 2- Prescavo	-13	171.868	93.227	UL-RL	0.395	6.59	63	85.532	0.016	0	178.758
Stage 2- Prescavo	-13.2	174.5	94.573	UL-RL	0.395	6.59	63	87.5	0.016	0	182.073
Stage 2- Prescavo	-13.4	177.132	95.92	UL-RL	0.395	6.59	63	89.468	0.016	0	185.388
Stage 2- Prescavo	-13.6	179.764	97.266	UL-RL	0.395	6.59	63	91.436	0.016	0	188.703
Stage 2- Prescavo	-13.8	182.396	98.613	UL-RL	0.395	6.59	63	93.404	0.016	0	192.017
Stage 2- Prescavo	-14	185.027	99.959	UL-RL	0.395	6.59	63	95.372	0.016	0	195.332
Stage 2- Prescavo	-14.2	187.659	101.305	UL-RL	0.395	6.59	63	97.341	0.016	0	198.646
Stage 2- Prescavo	-14.4	190.291	102.652	UL-RL	0.395	6.59	63	99.309	0.016	0	201.96
Stage 2- Prescavo	-14.6	192.923	103.998	UL-RL	0.395	6.59	63	101.277	0.016	0	205.274
Stage 2- Prescavo	-14.8	195.555	105.344	UL-RL	0.395	6.59	63	103.245	0.016	0	208.589

Design Assumption: Nominal	Risultati Terreno	Muro: LEFT			Lato LEFT					
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 2- Prescavo	-15	198.186	106.689	UL-RL	0.395	6.59	63	105.213	0.016	0	211.903
Stage 2- Prescavo	-15.2	200.818	108.035	UL-RL	0.395	6.59	63	107.182	0.016	0	215.216
Stage 2- Prescavo	-15.4	203.45	109.381	UL-RL	0.395	6.59	63	109.15	0.016	0	218.53
Stage 2- Prescavo	-15.6	206.082	110.726	UL-RL	0.395	6.59	63	111.118	0.016	0	221.844
Stage 2- Prescavo	-15.8	208.714	112.072	UL-RL	0.395	6.59	63	113.086	0.016	0	225.158

Design Assumption:	Nominal	Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 2- Prescavo	-1.6	0	0	UL-RL	0.349	3.517	10	0	0	0	0
Stage 2- Prescavo	-1.8	4	6	UL-RL	0.349	3.517	10	0	0	0	6
Stage 2- Prescavo	-2	8	8.944	UL-RL	0.349	3.517	10	0	0	0	8.944
Stage 2- Prescavo	-2.2	12	11.489	UL-RL	0.349	3.517	10	0	0	0	11.489
Stage 2- Prescavo	-2.4	16	13.856	UL-RL	0.349	3.517	10	0	0	0	13.856
Stage 2- Prescavo	-2.6	20	16.125	UL-RL	0.349	3.517	10	0	0	0	16.125
Stage 2- Prescavo	-2.8	24	18.33	UL-RL	0.349	3.517	10	0	0	0	18.33
Stage 2- Prescavo	-3	28	20.494	UL-RL	0.349	3.517	10	0	0	0	20.494
Stage 2- Prescavo	-3.2	32	22.627	UL-RL	0.274	3.209	63	0	0	0	22.627
Stage 2- Prescavo	-3.4	36.6	25.054	UL-RL	0.274	3.209	63	0	0	0	25.054
Stage 2- Prescavo	-3.6	41.2	27.458	UL-RL	0.274	3.209	63	0	0	0	27.458
Stage 2- Prescavo	-3.8	45.8	29.846	UL-RL	0.274	3.209	63	0	0	0	29.846
Stage 2- Prescavo	-4	50.4	32.222	UL-RL	0.274	3.209	63	0	0	0	32.222
Stage 2- Prescavo	-4.2	55	34.587	UL-RL	0.274	3.209	63	0	0	0	34.587
Stage 2- Prescavo	-4.4	59.6	37.019	UL-RL	0.274	3.209	63	0	0	0	37.019
Stage 2- Prescavo	-4.6	64.2	39.534	UL-RL	0.274	3.209	63	0	0	0	39.534
Stage 2- Prescavo	-4.8	67.465	41.253	UL-RL	0.274	3.209	63	1.335	0.016	0	42.588
Stage 2- Prescavo	-5	70.033	42.556	UL-RL	0.274	3.209	63	3.367	0.016	0	45.923
Stage 2- Prescavo	-5.2	72.601	43.857	UL-RL	0.274	3.209	63	5.399	0.016	0	49.256
Stage 2- Prescavo	-5.4	75.169	45.158	UL-RL	0.274	3.209	63	7.431	0.016	0	52.588
Stage 2- Prescavo	-5.6	77.737	46.457	UL-RL	0.274	3.209	63	9.463	0.016	0	55.919
Stage 2- Prescavo	-5.8	80.305	47.754	UL-RL	0.274	3.209	63	11.495	0.016	0	59.249
Stage 2- Prescavo	-6	82.874	49.051	UL-RL	0.274	3.209	63	13.526	0.016	0	62.578
Stage 2- Prescavo	-6.2	85.442	50.347	UL-RL	0.274	3.209	63	15.558	0.016	0	65.905
Stage 2- Prescavo	-6.4	88.01	51.642	UL-RL	0.274	3.209	63	17.59	0.016	0	69.232
Stage 2- Prescavo	-6.6	90.578	52.936	UL-RL	0.274	3.209	63	19.622	0.016	0	72.558
Stage 2- Prescavo	-6.8	93.146	54.229	UL-RL	0.274	3.209	63	21.654	0.016	0	75.883
Stage 2- Prescavo	-7	95.714	55.522	UL-RL	0.274	3.209	63	23.686	0.016	0	79.207
Stage 2- Prescavo	-7.2	98.283	56.814	UL-RL	0.274	3.209	63	25.717	0.016	0	82.531
Stage 2- Prescavo	-7.4	100.851	58.105	UL-RL	0.274	3.209	63	27.749	0.016	0	85.854
Stage 2- Prescavo	-7.6	103.419	59.396	UL-RL	0.274	3.209	63	29.781	0.016	0	89.177
Stage 2- Prescavo	-7.8	105.987	60.686	UL-RL	0.274	3.209	63	31.813	0.016	0	92.499
Stage 2- Prescavo	-8	108.555	61.976	UL-RL	0.274	3.209	63	33.845	0.016	0	95.821
Stage 2- Prescavo	-8.2	111.123	63.265	UL-RL	0.274	3.209	63	35.877	0.016	0	99.142
Stage 2- Prescavo	-8.4	113.692	64.554	UL-RL	0.274	3.209	63	37.908	0.016	0	102.462
Stage 2- Prescavo	-8.6	116.26	65.842	UL-RL	0.274	3.209	63	39.94	0.016	0	105.782
Stage 2- Prescavo	-8.8	118.828	67.13	UL-RL	0.274	3.209	63	41.972	0.016	0	109.102
Stage 2- Prescavo	-9	121.396	68.418	UL-RL	0.274	3.209	63	44.004	0.016	0	112.422
Stage 2- Prescavo	-9.2	123.964	69.705	UL-RL	0.274	3.209	63	46.036	0.016	0	115.741
Stage 2- Prescavo	-9.4	126.532	70.992	UL-RL	0.274	3.209	63	48.067	0.016	0	119.06
Stage 2- Prescavo	-9.6	129.101	72.279	UL-RL	0.274	3.209	63	50.099	0.016	0	122.378
Stage 2- Prescavo	-9.8	131.669	73.565	UL-RL	0.274	3.209	63	52.131	0.016	0	125.696
Stage 2- Prescavo	-10	134.237	74.852	UL-RL	0.274	3.209	63	54.163	0.016	0	129.014
Stage 2- Prescavo	-10.2	136.805	76.137	UL-RL	0.274	3.209	63	56.195	0.016	0	132.332
Stage 2- Prescavo	-10.4	139.373	77.423	UL-RL	0.274	3.209	63	58.227	0.016	0	135.65
Stage 2- Prescavo	-10.6	141.941	78.708	UL-RL	0.274	3.209	63	60.258	0.016	0	138.967
Stage 2- Prescavo	-10.8	144.51	79.993	UL-RL	0.274	3.209	63	62.29	0.016	0	142.284
Stage 2- Prescavo	-11	147.078	81.278	UL-RL	0.274	3.209	63	64.322	0.016	0	145.6
Stage 2- Prescavo	-11.2	149.646	82.563	UL-RL	0.274	3.209	63	66.354	0.016	0	148.917
Stage 2- Prescavo	-11.4	152.214	83.848	UL-RL	0.274	3.209	63	68.386	0.016	0	152.233
Stage 2- Prescavo	-11.6	154.782	85.132	UL-RL	0.274	3.209	63	70.418	0.016	0	155.55
Stage 2- Prescavo	-11.8	157.35	86.416	UL-RL	0.274	3.209	63	72.449	0.016	0	158.866
Stage 2- Prescavo	-12	159.918	87.7	UL-RL	0.274	3.209	63	74.481	0.016	0	162.181
Stage 2- Prescavo	-12.2	162.487	88.984	UL-RL	0.274	3.209	63	76.513	0.016	0	165.497
Stage 2- Prescavo	-12.4	165.055	90.268	UL-RL	0.274	3.209	63	78.545	0.016	0	168.812
Stage 2- Prescavo	-12.6	167.623	91.551	UL-RL	0.274	3.209	63	80.577	0.016	0	172.128
Stage 2- Prescavo	-12.8	170.191	92.835	UL-RL	0.274	3.209	63	82.609	0.016	0	175.443
Stage 2- Prescavo	-13	172.759	94.118	UL-RL	0.274	3.209	63	84.64	0.016	0	178.758
Stage 2- Prescavo	-13.2	175.328	95.401	UL-RL	0.274	3.209	63	86.672	0.016	0	182.073
Stage 2- Prescavo	-13.4	177.896	96.684	UL-RL	0.274	3.209	63	88.704	0.016	0	185.388
Stage 2- Prescavo	-13.6	180.464	97.967	UL-RL	0.274	3.209	63	90.736	0.016	0	188.703
Stage 2- Prescavo	-13.8	183.032	99.25	UL-RL	0.274	3.209	63	92.768	0.016	0	192.017
Stage 2- Prescavo	-14	185.6	100.532	UL-RL	0.274	3.209	63	94.8	0.016	0	195.332
Stage 2- Prescavo	-14.2	188.168	101.815	UL-RL	0.274	3.209	63	96.831	0.016	0	198.646
Stage 2- Prescavo	-14.4	190.737	103.097	UL-RL	0.274	3.209	63	98.863	0.016	0	201.96
Stage 2- Prescavo	-14.6	193.305	104.38	UL-RL	0.274	3.209	63	100.895	0.016	0	205.274
Stage 2- Prescavo	-14.8	195.873	105.662	UL-RL	0.274	3.209	63	102.927	0.016	0	208.589
Stage 2- Prescavo	-15	198.441	106.944	UL-RL	0.274	3.209	63	104.959	0.016	0	211.903
Stage 2- Prescavo	-15.2	201.009	108.226	UL-RL	0.274	3.209	63	106.99	0.016	0	215.216
Stage 2- Prescavo	-15.4	203.577	109.508	UL-RL	0.274	3.209	63	109.022	0.016	0	218.53

Design Assumption: Nominal		Risultati Terreno		Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq	
Stage 2- Prescavo	-15.6	206.146	110.79	UL-RL	0.274	3.209	63	111.054	0.016	0	221.844	
Stage 2- Prescavo	-15.8	208.714	112.072	UL-RL	0.274	3.209	63	113.086	0.016	0	225.158	

5.5.3. Tabella Risultati Terreno Left Wall - Nominal - Stage 3-Paratia

Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 3-Paratia	-1.6	0	0	ACTIVE	0.344	4.867	10	0	0	0	0
Stage 3-Paratia	-1.8	4	6	UL-RL	0.344	4.867	10	0	0	0	6
Stage 3-Paratia	-2	8	8.944	UL-RL	0.344	4.867	10	0	0	0	8.944
Stage 3-Paratia	-2.2	12	11.489	UL-RL	0.344	4.867	10	0	0	0	11.489
Stage 3-Paratia	-2.4	16	13.856	UL-RL	0.344	4.867	10	0	0	0	13.856
Stage 3-Paratia	-2.6	20	16.125	UL-RL	0.344	4.867	10	0	0	0	16.125
Stage 3-Paratia	-2.8	24	18.33	UL-RL	0.344	4.867	10	0	0	0	18.33
Stage 3-Paratia	-3	28	20.494	UL-RL	0.344	4.867	10	0	0	0	20.494
Stage 3-Paratia	-3.2	32	22.627	UL-RL	0.395	6.59	63	0	0	0	22.627
Stage 3-Paratia	-3.4	36.6	25.054	UL-RL	0.395	6.59	63	0	0	0	25.054
Stage 3-Paratia	-3.6	41.2	27.458	UL-RL	0.395	6.59	63	0	0	0	27.458
Stage 3-Paratia	-3.8	45.8	29.846	UL-RL	0.395	6.59	63	0	0	0	29.846
Stage 3-Paratia	-4	50.4	32.222	UL-RL	0.395	6.59	63	0	0	0	32.222
Stage 3-Paratia	-4.2	55	34.587	UL-RL	0.395	6.59	63	0	0	0	34.587
Stage 3-Paratia	-4.4	58.7	36.118	UL-RL	0.395	6.59	63	0.9	0.016	0	37.019
Stage 3-Paratia	-4.6	61.331	36.666	UL-RL	0.395	6.59	63	2.869	0.016	0	39.534
Stage 3-Paratia	-4.8	63.963	37.751	UL-RL	0.395	6.59	63	4.837	0.016	0	42.588
Stage 3-Paratia	-5	66.595	39.118	UL-RL	0.395	6.59	63	6.805	0.016	0	45.923
Stage 3-Paratia	-5.2	69.227	40.483	UL-RL	0.395	6.59	63	8.773	0.016	0	49.256
Stage 3-Paratia	-5.4	71.859	41.847	UL-RL	0.395	6.59	63	10.741	0.016	0	52.588
Stage 3-Paratia	-5.6	74.491	43.21	UL-RL	0.395	6.59	63	12.709	0.016	0	55.919
Stage 3-Paratia	-5.8	77.122	44.571	UL-RL	0.395	6.59	63	14.678	0.016	0	59.249
Stage 3-Paratia	-6	79.754	45.932	UL-RL	0.395	6.59	63	16.646	0.016	0	62.578
Stage 3-Paratia	-6.2	82.386	47.291	UL-RL	0.395	6.59	63	18.614	0.016	0	65.905
Stage 3-Paratia	-6.4	85.018	48.65	UL-RL	0.395	6.59	63	20.582	0.016	0	69.232
Stage 3-Paratia	-6.6	87.65	50.007	UL-RL	0.395	6.59	63	22.55	0.016	0	72.558
Stage 3-Paratia	-6.8	90.282	51.364	UL-RL	0.395	6.59	63	24.518	0.016	0	75.883
Stage 3-Paratia	-7	92.913	52.721	UL-RL	0.395	6.59	63	26.487	0.016	0	79.207
Stage 3-Paratia	-7.2	95.545	54.076	UL-RL	0.395	6.59	63	28.455	0.016	0	82.531
Stage 3-Paratia	-7.4	98.177	55.431	UL-RL	0.395	6.59	63	30.423	0.016	0	85.854
Stage 3-Paratia	-7.6	100.809	56.786	UL-RL	0.395	6.59	63	32.391	0.016	0	89.177
Stage 3-Paratia	-7.8	103.441	58.14	UL-RL	0.395	6.59	63	34.359	0.016	0	92.499
Stage 3-Paratia	-8	106.072	59.493	UL-RL	0.395	6.59	63	36.327	0.016	0	95.821
Stage 3-Paratia	-8.2	108.704	60.846	UL-RL	0.395	6.59	63	38.296	0.016	0	99.142
Stage 3-Paratia	-8.4	111.336	62.198	UL-RL	0.395	6.59	63	40.264	0.016	0	102.462
Stage 3-Paratia	-8.6	113.968	63.551	UL-RL	0.395	6.59	63	42.232	0.016	0	105.782
Stage 3-Paratia	-8.8	116.6	64.902	UL-RL	0.395	6.59	63	44.2	0.016	0	109.102
Stage 3-Paratia	-9	119.232	66.254	UL-RL	0.395	6.59	63	46.168	0.016	0	112.422
Stage 3-Paratia	-9.2	121.863	67.605	UL-RL	0.395	6.59	63	48.136	0.016	0	115.741
Stage 3-Paratia	-9.4	124.495	68.955	UL-RL	0.395	6.59	63	50.105	0.016	0	119.06
Stage 3-Paratia	-9.6	127.127	70.306	UL-RL	0.395	6.59	63	52.073	0.016	0	122.378
Stage 3-Paratia	-9.8	129.759	71.656	UL-RL	0.395	6.59	63	54.041	0.016	0	125.696
Stage 3-Paratia	-10	132.391	73.005	UL-RL	0.395	6.59	63	56.009	0.016	0	129.014
Stage 3-Paratia	-10.2	135.023	74.355	UL-RL	0.395	6.59	63	57.977	0.016	0	132.332
Stage 3-Paratia	-10.4	137.654	75.704	UL-RL	0.395	6.59	63	59.945	0.016	0	135.65
Stage 3-Paratia	-10.6	140.286	77.053	UL-RL	0.395	6.59	63	61.914	0.016	0	138.967
Stage 3-Paratia	-10.8	142.918	78.402	UL-RL	0.395	6.59	63	63.882	0.016	0	142.284
Stage 3-Paratia	-11	145.55	79.75	UL-RL	0.395	6.59	63	65.85	0.016	0	145.6
Stage 3-Paratia	-11.2	148.182	81.099	UL-RL	0.395	6.59	63	67.818	0.016	0	148.917
Stage 3-Paratia	-11.4	150.814	82.447	UL-RL	0.395	6.59	63	69.786	0.016	0	152.233
Stage 3-Paratia	-11.6	153.445	83.795	UL-RL	0.395	6.59	63	71.754	0.016	0	155.55
Stage 3-Paratia	-11.8	156.077	85.143	UL-RL	0.395	6.59	63	73.723	0.016	0	158.866
Stage 3-Paratia	-12	158.709	86.491	UL-RL	0.395	6.59	63	75.691	0.016	0	162.181
Stage 3-Paratia	-12.2	161.341	87.838	UL-RL	0.395	6.59	63	77.659	0.016	0	165.497
Stage 3-Paratia	-12.4	163.973	89.185	UL-RL	0.395	6.59	63	79.627	0.016	0	168.812
Stage 3-Paratia	-12.6	166.604	90.533	UL-RL	0.395	6.59	63	81.595	0.016	0	172.128
Stage 3-Paratia	-12.8	169.236	91.88	UL-RL	0.395	6.59	63	83.563	0.016	0	175.443
Stage 3-Paratia	-13	171.868	93.227	UL-RL	0.395	6.59	63	85.532	0.016	0	178.758
Stage 3-Paratia	-13.2	174.5	94.573	UL-RL	0.395	6.59	63	87.5	0.016	0	182.073
Stage 3-Paratia	-13.4	177.132	95.92	UL-RL	0.395	6.59	63	89.468	0.016	0	185.388
Stage 3-Paratia	-13.6	179.764	97.266	UL-RL	0.395	6.59	63	91.436	0.016	0	188.703
Stage 3-Paratia	-13.8	182.396	98.613	UL-RL	0.395	6.59	63	93.404	0.016	0	192.017
Stage 3-Paratia	-14	185.027	99.959	UL-RL	0.395	6.59	63	95.372	0.016	0	195.332
Stage 3-Paratia	-14.2	187.659	101.305	UL-RL	0.395	6.59	63	97.341	0.016	0	198.646
Stage 3-Paratia	-14.4	190.291	102.652	UL-RL	0.395	6.59	63	99.309	0.016	0	201.96
Stage 3-Paratia	-14.6	192.923	103.998	UL-RL	0.395	6.59	63	101.277	0.016	0	205.274
Stage 3-Paratia	-14.8	195.555	105.344	UL-RL	0.395	6.59	63	103.245	0.016	0	208.589

Design Assumption: Nominal		Risultati Terreno		Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq	
Stage 3-Paratia	-15	198.186	106.689	UL-RL	0.395	6.59	63	105.213	0.016	0	211.903	
Stage 3-Paratia	-15.2	200.818	108.035	UL-RL	0.395	6.59	63	107.182	0.016	0	215.216	
Stage 3-Paratia	-15.4	203.45	109.381	UL-RL	0.395	6.59	63	109.15	0.016	0	218.53	
Stage 3-Paratia	-15.6	206.082	110.726	UL-RL	0.395	6.59	63	111.118	0.016	0	221.844	
Stage 3-Paratia	-15.8	208.714	112.072	UL-RL	0.395	6.59	63	113.086	0.016	0	225.158	

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 3-Paratia	-1.6	0	0	UL-RL	0.349	3.517	10	0	0	0	0
Stage 3-Paratia	-1.8	4	6	UL-RL	0.349	3.517	10	0	0	0	6
Stage 3-Paratia	-2	8	8.944	UL-RL	0.349	3.517	10	0	0	0	8.944
Stage 3-Paratia	-2.2	12	11.489	UL-RL	0.349	3.517	10	0	0	0	11.489
Stage 3-Paratia	-2.4	16	13.856	UL-RL	0.349	3.517	10	0	0	0	13.856
Stage 3-Paratia	-2.6	20	16.125	UL-RL	0.349	3.517	10	0	0	0	16.125
Stage 3-Paratia	-2.8	24	18.33	UL-RL	0.349	3.517	10	0	0	0	18.33
Stage 3-Paratia	-3	28	20.494	UL-RL	0.349	3.517	10	0	0	0	20.494
Stage 3-Paratia	-3.2	32	22.627	UL-RL	0.274	3.209	63	0	0	0	22.627
Stage 3-Paratia	-3.4	36.6	25.054	UL-RL	0.274	3.209	63	0	0	0	25.054
Stage 3-Paratia	-3.6	41.2	27.458	UL-RL	0.274	3.209	63	0	0	0	27.458
Stage 3-Paratia	-3.8	45.8	29.846	UL-RL	0.274	3.209	63	0	0	0	29.846
Stage 3-Paratia	-4	50.4	32.222	UL-RL	0.274	3.209	63	0	0	0	32.222
Stage 3-Paratia	-4.2	55	34.587	UL-RL	0.274	3.209	63	0	0	0	34.587
Stage 3-Paratia	-4.4	59.6	37.019	UL-RL	0.274	3.209	63	0	0	0	37.019
Stage 3-Paratia	-4.6	64.2	39.534	UL-RL	0.274	3.209	63	0	0	0	39.534
Stage 3-Paratia	-4.8	67.465	41.253	UL-RL	0.274	3.209	63	1.335	0.016	0	42.588
Stage 3-Paratia	-5	70.033	42.556	UL-RL	0.274	3.209	63	3.367	0.016	0	45.923
Stage 3-Paratia	-5.2	72.601	43.857	UL-RL	0.274	3.209	63	5.399	0.016	0	49.256
Stage 3-Paratia	-5.4	75.169	45.158	UL-RL	0.274	3.209	63	7.431	0.016	0	52.588
Stage 3-Paratia	-5.6	77.737	46.457	UL-RL	0.274	3.209	63	9.463	0.016	0	55.919
Stage 3-Paratia	-5.8	80.305	47.754	UL-RL	0.274	3.209	63	11.495	0.016	0	59.249
Stage 3-Paratia	-6	82.874	49.051	UL-RL	0.274	3.209	63	13.526	0.016	0	62.578
Stage 3-Paratia	-6.2	85.442	50.347	UL-RL	0.274	3.209	63	15.558	0.016	0	65.905
Stage 3-Paratia	-6.4	88.01	51.642	UL-RL	0.274	3.209	63	17.59	0.016	0	69.232
Stage 3-Paratia	-6.6	90.578	52.936	UL-RL	0.274	3.209	63	19.622	0.016	0	72.558
Stage 3-Paratia	-6.8	93.146	54.229	UL-RL	0.274	3.209	63	21.654	0.016	0	75.883
Stage 3-Paratia	-7	95.714	55.522	UL-RL	0.274	3.209	63	23.686	0.016	0	79.207
Stage 3-Paratia	-7.2	98.283	56.814	UL-RL	0.274	3.209	63	25.717	0.016	0	82.531
Stage 3-Paratia	-7.4	100.851	58.105	UL-RL	0.274	3.209	63	27.749	0.016	0	85.854
Stage 3-Paratia	-7.6	103.419	59.396	UL-RL	0.274	3.209	63	29.781	0.016	0	89.177
Stage 3-Paratia	-7.8	105.987	60.686	UL-RL	0.274	3.209	63	31.813	0.016	0	92.499
Stage 3-Paratia	-8	108.555	61.976	UL-RL	0.274	3.209	63	33.845	0.016	0	95.821
Stage 3-Paratia	-8.2	111.123	63.265	UL-RL	0.274	3.209	63	35.877	0.016	0	99.142
Stage 3-Paratia	-8.4	113.692	64.554	UL-RL	0.274	3.209	63	37.908	0.016	0	102.462
Stage 3-Paratia	-8.6	116.26	65.842	UL-RL	0.274	3.209	63	39.94	0.016	0	105.782
Stage 3-Paratia	-8.8	118.828	67.13	UL-RL	0.274	3.209	63	41.972	0.016	0	109.102
Stage 3-Paratia	-9	121.396	68.418	UL-RL	0.274	3.209	63	44.004	0.016	0	112.422
Stage 3-Paratia	-9.2	123.964	69.705	UL-RL	0.274	3.209	63	46.036	0.016	0	115.741
Stage 3-Paratia	-9.4	126.532	70.992	UL-RL	0.274	3.209	63	48.067	0.016	0	119.06
Stage 3-Paratia	-9.6	129.101	72.279	UL-RL	0.274	3.209	63	50.099	0.016	0	122.378
Stage 3-Paratia	-9.8	131.669	73.565	UL-RL	0.274	3.209	63	52.131	0.016	0	125.696
Stage 3-Paratia	-10	134.237	74.852	UL-RL	0.274	3.209	63	54.163	0.016	0	129.014
Stage 3-Paratia	-10.2	136.805	76.137	UL-RL	0.274	3.209	63	56.195	0.016	0	132.332
Stage 3-Paratia	-10.4	139.373	77.423	UL-RL	0.274	3.209	63	58.227	0.016	0	135.65
Stage 3-Paratia	-10.6	141.941	78.708	UL-RL	0.274	3.209	63	60.258	0.016	0	138.967
Stage 3-Paratia	-10.8	144.51	79.993	UL-RL	0.274	3.209	63	62.29	0.016	0	142.284
Stage 3-Paratia	-11	147.078	81.278	UL-RL	0.274	3.209	63	64.322	0.016	0	145.6
Stage 3-Paratia	-11.2	149.646	82.563	UL-RL	0.274	3.209	63	66.354	0.016	0	148.917
Stage 3-Paratia	-11.4	152.214	83.848	UL-RL	0.274	3.209	63	68.386	0.016	0	152.233
Stage 3-Paratia	-11.6	154.782	85.132	UL-RL	0.274	3.209	63	70.418	0.016	0	155.55
Stage 3-Paratia	-11.8	157.35	86.416	UL-RL	0.274	3.209	63	72.449	0.016	0	158.866
Stage 3-Paratia	-12	159.918	87.7	UL-RL	0.274	3.209	63	74.481	0.016	0	162.181
Stage 3-Paratia	-12.2	162.487	88.984	UL-RL	0.274	3.209	63	76.513	0.016	0	165.497
Stage 3-Paratia	-12.4	165.055	90.268	UL-RL	0.274	3.209	63	78.545	0.016	0	168.812
Stage 3-Paratia	-12.6	167.623	91.551	UL-RL	0.274	3.209	63	80.577	0.016	0	172.128
Stage 3-Paratia	-12.8	170.191	92.835	UL-RL	0.274	3.209	63	82.609	0.016	0	175.443
Stage 3-Paratia	-13	172.759	94.118	UL-RL	0.274	3.209	63	84.64	0.016	0	178.758
Stage 3-Paratia	-13.2	175.328	95.401	UL-RL	0.274	3.209	63	86.672	0.016	0	182.073
Stage 3-Paratia	-13.4	177.896	96.684	UL-RL	0.274	3.209	63	88.704	0.016	0	185.388
Stage 3-Paratia	-13.6	180.464	97.967	UL-RL	0.274	3.209	63	90.736	0.016	0	188.703
Stage 3-Paratia	-13.8	183.032	99.25	UL-RL	0.274	3.209	63	92.768	0.016	0	192.017
Stage 3-Paratia	-14	185.6	100.532	UL-RL	0.274	3.209	63	94.8	0.016	0	195.332
Stage 3-Paratia	-14.2	188.168	101.815	UL-RL	0.274	3.209	63	96.831	0.016	0	198.646
Stage 3-Paratia	-14.4	190.737	103.097	UL-RL	0.274	3.209	63	98.863	0.016	0	201.96
Stage 3-Paratia	-14.6	193.305	104.38	UL-RL	0.274	3.209	63	100.895	0.016	0	205.274
Stage 3-Paratia	-14.8	195.873	105.662	UL-RL	0.274	3.209	63	102.927	0.016	0	208.589
Stage 3-Paratia	-15	198.441	106.944	UL-RL	0.274	3.209	63	104.959	0.016	0	211.903
Stage 3-Paratia	-15.2	201.009	108.226	UL-RL	0.274	3.209	63	106.99	0.016	0	215.216
Stage 3-Paratia	-15.4	203.577	109.508	UL-RL	0.274	3.209	63	109.022	0.016	0	218.53

Design Assumption: Nominal	Risultati Terreno	Muro: LEFT			Lato RIGHT					
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 3-Paratia	-15.6	206.146	110.79	UL-RL	0.274	3.209	63	111.054	0.016	0	221.844
Stage 3-Paratia	-15.8	208.714	112.072	UL-RL	0.274	3.209	63	113.086	0.016	0	225.158

5.5.4. Tabella Risultati Terreno Left Wall - Nominal - Stage 4-Scavo H=2m

Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 4-Scavo H=2m	-1.6	0	0	ACTIVE	0.344	4.867	10	0	0	0	0
Stage 4-Scavo H=2m	-1.8	4	0	ACTIVE	0.344	4.867	10	0	0	0	0
Stage 4-Scavo H=2m	-2	8	0	ACTIVE	0.344	4.867	10	0	0	0	0
Stage 4-Scavo H=2m	-2.2	12	0	ACTIVE	0.344	4.867	10	0	0	0	0
Stage 4-Scavo H=2m	-2.4	16	0	ACTIVE	0.344	4.867	10	0	0	0	0
Stage 4-Scavo H=2m	-2.6	20	0	ACTIVE	0.344	4.867	10	0	0	0	0
Stage 4-Scavo H=2m	-2.8	24	0	ACTIVE	0.344	4.867	10	0	0	0	0
Stage 4-Scavo H=2m	-3	28	0.962	UL-RL	0.344	4.867	10	0	0	0	0.962
Stage 4-Scavo H=2m	-3.2	32	8.448	UL-RL	0.395	6.59	63	0	0	0	8.448
Stage 4-Scavo H=2m	-3.4	36.6	11.255	UL-RL	0.395	6.59	63	0	0	0	11.255
Stage 4-Scavo H=2m	-3.6	41.2	14.039	UL-RL	0.395	6.59	63	0	0	0	14.039
Stage 4-Scavo H=2m	-3.8	45.8	16.805	UL-RL	0.395	6.59	63	0	0	0	16.805
Stage 4-Scavo H=2m	-4	50.4	19.552	UL-RL	0.395	6.59	63	0	0	0	19.552
Stage 4-Scavo H=2m	-4.2	55	22.282	UL-RL	0.395	6.59	63	0	0	0	22.282
Stage 4-Scavo H=2m	-4.4	58.7	24.169	UL-RL	0.395	6.59	63	0.9	0.016	0	25.069
Stage 4-Scavo H=2m	-4.6	61.331	25.061	UL-RL	0.395	6.59	63	2.869	0.016	0	27.929
Stage 4-Scavo H=2m	-4.8	63.963	26.479	UL-RL	0.395	6.59	63	4.837	0.016	0	31.316
Stage 4-Scavo H=2m	-5	66.595	28.164	UL-RL	0.395	6.59	63	6.805	0.016	0	34.969
Stage 4-Scavo H=2m	-5.2	69.227	29.834	UL-RL	0.395	6.59	63	8.773	0.016	0	38.607
Stage 4-Scavo H=2m	-5.4	71.859	31.486	UL-RL	0.395	6.59	63	10.741	0.016	0	42.228
Stage 4-Scavo H=2m	-5.6	74.491	33.122	UL-RL	0.395	6.59	63	12.709	0.016	0	45.832
Stage 4-Scavo H=2m	-5.8	77.122	34.741	UL-RL	0.395	6.59	63	14.678	0.016	0	49.419
Stage 4-Scavo H=2m	-6	79.754	36.343	UL-RL	0.395	6.59	63	16.646	0.016	0	52.989
Stage 4-Scavo H=2m	-6.2	82.386	37.928	UL-RL	0.395	6.59	63	18.614	0.016	0	56.542
Stage 4-Scavo H=2m	-6.4	85.018	39.497	UL-RL	0.395	6.59	63	20.582	0.016	0	60.079
Stage 4-Scavo H=2m	-6.6	87.65	41.049	UL-RL	0.395	6.59	63	22.55	0.016	0	63.6
Stage 4-Scavo H=2m	-6.8	90.282	42.586	UL-RL	0.395	6.59	63	24.518	0.016	0	67.105
Stage 4-Scavo H=2m	-7	92.913	44.108	UL-RL	0.395	6.59	63	26.487	0.016	0	70.595
Stage 4-Scavo H=2m	-7.2	95.545	45.616	UL-RL	0.395	6.59	63	28.455	0.016	0	74.07
Stage 4-Scavo H=2m	-7.4	98.177	47.11	UL-RL	0.395	6.59	63	30.423	0.016	0	77.533
Stage 4-Scavo H=2m	-7.6	100.809	48.591	UL-RL	0.395	6.59	63	32.391	0.016	0	80.982
Stage 4-Scavo H=2m	-7.8	103.441	50.059	UL-RL	0.395	6.59	63	34.359	0.016	0	84.419
Stage 4-Scavo H=2m	-8	106.072	51.516	UL-RL	0.395	6.59	63	36.327	0.016	0	87.844
Stage 4-Scavo H=2m	-8.2	108.704	52.963	UL-RL	0.395	6.59	63	38.296	0.016	0	91.259
Stage 4-Scavo H=2m	-8.4	111.336	54.4	UL-RL	0.395	6.59	63	40.264	0.016	0	94.663
Stage 4-Scavo H=2m	-8.6	113.968	55.827	UL-RL	0.395	6.59	63	42.232	0.016	0	98.059
Stage 4-Scavo H=2m	-8.8	116.6	57.246	UL-RL	0.395	6.59	63	44.2	0.016	0	101.446
Stage 4-Scavo H=2m	-9	119.232	58.657	UL-RL	0.395	6.59	63	46.168	0.016	0	104.825
Stage 4-Scavo H=2m	-9.2	121.863	60.06	UL-RL	0.395	6.59	63	48.136	0.016	0	108.197
Stage 4-Scavo H=2m	-9.4	124.495	61.458	UL-RL	0.395	6.59	63	50.105	0.016	0	111.562
Stage 4-Scavo H=2m	-9.6	127.127	62.849	UL-RL	0.395	6.59	63	52.073	0.016	0	114.922
Stage 4-Scavo H=2m	-9.8	129.759	64.235	UL-RL	0.395	6.59	63	54.041	0.016	0	118.276
Stage 4-Scavo H=2m	-10	132.391	65.617	UL-RL	0.395	6.59	63	56.009	0.016	0	121.626
Stage 4-Scavo H=2m	-10.2	135.023	66.994	UL-RL	0.395	6.59	63	57.977	0.016	0	124.971
Stage 4-Scavo H=2m	-10.4	137.654	68.367	UL-RL	0.395	6.59	63	59.945	0.016	0	128.312
Stage 4-Scavo H=2m	-10.6	140.286	69.737	UL-RL	0.395	6.59	63	61.914	0.016	0	131.65
Stage 4-Scavo H=2m	-10.8	142.918	71.104	UL-RL	0.395	6.59	63	63.882	0.016	0	134.986
Stage 4-Scavo H=2m	-11	145.55	72.468	UL-RL	0.395	6.59	63	65.85	0.016	0	138.318
Stage 4-Scavo H=2m	-11.2	148.182	73.83	UL-RL	0.395	6.59	63	67.818	0.016	0	141.648
Stage 4-Scavo H=2m	-11.4	150.814	75.191	UL-RL	0.395	6.59	63	69.786	0.016	0	144.977
Stage 4-Scavo H=2m	-11.6	153.445	76.549	UL-RL	0.395	6.59	63	71.754	0.016	0	148.304
Stage 4-Scavo H=2m	-11.8	156.077	77.906	UL-RL	0.395	6.59	63	73.723	0.016	0	151.629
Stage 4-Scavo H=2m	-12	158.709	79.262	UL-RL	0.395	6.59	63	75.691	0.016	0	154.953
Stage 4-Scavo H=2m	-12.2	161.341	80.617	UL-RL	0.395	6.59	63	77.659	0.016	0	158.276
Stage 4-Scavo H=2m	-12.4	163.973	81.971	UL-RL	0.395	6.59	63	79.627	0.016	0	161.598
Stage 4-Scavo H=2m	-12.6	166.604	83.324	UL-RL	0.395	6.59	63	81.595	0.016	0	164.92
Stage 4-Scavo H=2m	-12.8	169.236	84.677	UL-RL	0.395	6.59	63	83.563	0.016	0	168.24
Stage 4-Scavo H=2m	-13	171.868	86.029	UL-RL	0.395	6.59	63	85.532	0.016	0	171.561
Stage 4-Scavo H=2m	-13.2	174.5	87.381	UL-RL	0.395	6.59	63	87.5	0.016	0	174.881
Stage 4-Scavo H=2m	-13.4	177.132	88.733	UL-RL	0.395	6.59	63	89.468	0.016	0	178.201
Stage 4-Scavo H=2m	-13.6	179.764	90.084	UL-RL	0.395	6.59	63	91.436	0.016	0	181.52
Stage 4-Scavo H=2m	-13.8	182.396	91.435	UL-RL	0.395	6.59	63	93.404	0.016	0	184.84
Stage 4-Scavo H=2m	-14	185.027	92.786	UL-RL	0.395	6.59	63	95.372	0.016	0	188.159
Stage 4-Scavo H=2m	-14.2	187.659	94.137	UL-RL	0.395	6.59	63	97.341	0.016	0	191.478
Stage 4-Scavo H=2m	-14.4	190.291	95.488	UL-RL	0.395	6.59	63	99.309	0.016	0	194.797
Stage 4-Scavo H=2m	-14.6	192.923	96.838	UL-RL	0.395	6.59	63	101.277	0.016	0	198.115
Stage 4-Scavo H=2m	-14.8	195.555	98.189	UL-RL	0.395	6.59	63	103.245	0.016	0	201.434

Design Assumption: Nominal		Risultati Terreno		Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq	
Stage 4-Scavo H=2m	-15	198.186	99.539	UL-RL	0.395	6.59	63	105.213	0.016	0	204.753	
Stage 4-Scavo H=2m	-15.2	200.818	100.89	UL-RL	0.395	6.59	63	107.182	0.016	0	208.071	
Stage 4-Scavo H=2m	-15.4	203.45	102.24	UL-RL	0.395	6.59	63	109.15	0.016	0	211.39	
Stage 4-Scavo H=2m	-15.6	206.082	103.59	UL-RL	0.395	6.59	63	111.118	0.016	0	214.708	
Stage 4-Scavo H=2m	-15.8	208.714	104.941	UL-RL	0.395	6.59	63	113.086	0.016	0	218.027	

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 4-Scavo H=2m	-1.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4-Scavo H=2m	-1.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4-Scavo H=2m	-2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4-Scavo H=2m	-2.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4-Scavo H=2m	-2.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4-Scavo H=2m	-2.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4-Scavo H=2m	-2.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4-Scavo H=2m	-3	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4-Scavo H=2m	-3.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4-Scavo H=2m	-3.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4-Scavo H=2m	-3.6	0	8.591	UL-RL	0.279	4.125	63	0	0	0	8.591
Stage 4-Scavo H=2m	-3.8	4.6	17.808	UL-RL	0.279	4.125	63	0	0	0	17.808
Stage 4-Scavo H=2m	-4	9.2	21.878	UL-RL	0.279	4.125	63	0	0	0	21.878
Stage 4-Scavo H=2m	-4.2	13.8	25.202	UL-RL	0.279	4.125	63	0	0	0	25.202
Stage 4-Scavo H=2m	-4.4	18.4	28.252	UL-RL	0.279	4.125	63	0	0	0	28.252
Stage 4-Scavo H=2m	-4.6	23	31.189	UL-RL	0.279	4.125	63	0	0	0	31.189
Stage 4-Scavo H=2m	-4.8	26.265	33.067	UL-RL	0.279	4.125	63	1.335	0.016	0	34.402
Stage 4-Scavo H=2m	-5	28.833	34.422	UL-RL	0.279	4.125	63	3.367	0.016	0	37.789
Stage 4-Scavo H=2m	-5.2	31.401	35.759	UL-RL	0.279	4.125	63	5.399	0.016	0	41.158
Stage 4-Scavo H=2m	-5.4	33.969	37.082	UL-RL	0.279	4.125	63	7.431	0.016	0	44.512
Stage 4-Scavo H=2m	-5.6	36.537	38.394	UL-RL	0.279	4.125	63	9.463	0.016	0	47.857
Stage 4-Scavo H=2m	-5.8	39.105	39.699	UL-RL	0.279	4.125	63	11.495	0.016	0	51.194
Stage 4-Scavo H=2m	-6	41.674	40.999	UL-RL	0.279	4.125	63	13.526	0.016	0	54.526
Stage 4-Scavo H=2m	-6.2	44.242	42.296	UL-RL	0.279	4.125	63	15.558	0.016	0	57.854
Stage 4-Scavo H=2m	-6.4	46.81	43.591	UL-RL	0.279	4.125	63	17.59	0.016	0	61.181
Stage 4-Scavo H=2m	-6.6	49.378	44.885	UL-RL	0.279	4.125	63	19.622	0.016	0	64.507
Stage 4-Scavo H=2m	-6.8	51.946	46.179	UL-RL	0.279	4.125	63	21.654	0.016	0	67.833
Stage 4-Scavo H=2m	-7	54.514	47.474	UL-RL	0.279	4.125	63	23.686	0.016	0	71.16
Stage 4-Scavo H=2m	-7.2	57.083	48.77	UL-RL	0.279	4.125	63	25.717	0.016	0	74.488
Stage 4-Scavo H=2m	-7.4	59.651	50.068	UL-RL	0.279	4.125	63	27.749	0.016	0	77.817
Stage 4-Scavo H=2m	-7.6	62.219	51.367	UL-RL	0.279	4.125	63	29.781	0.016	0	81.148
Stage 4-Scavo H=2m	-7.8	64.787	52.668	UL-RL	0.279	4.125	63	31.813	0.016	0	84.481
Stage 4-Scavo H=2m	-8	67.355	53.97	UL-RL	0.279	4.125	63	33.845	0.016	0	87.815
Stage 4-Scavo H=2m	-8.2	69.923	55.275	UL-RL	0.279	4.125	63	35.877	0.016	0	91.151
Stage 4-Scavo H=2m	-8.4	72.492	56.581	UL-RL	0.279	4.125	63	37.908	0.016	0	94.489
Stage 4-Scavo H=2m	-8.6	75.06	57.888	UL-RL	0.279	4.125	63	39.94	0.016	0	97.829
Stage 4-Scavo H=2m	-8.8	77.628	59.197	UL-RL	0.279	4.125	63	41.972	0.016	0	101.169
Stage 4-Scavo H=2m	-9	80.196	60.508	UL-RL	0.279	4.125	63	44.004	0.016	0	104.511
Stage 4-Scavo H=2m	-9.2	82.764	61.819	UL-RL	0.279	4.125	63	46.036	0.016	0	107.855
Stage 4-Scavo H=2m	-9.4	85.332	63.131	UL-RL	0.279	4.125	63	48.067	0.016	0	111.199
Stage 4-Scavo H=2m	-9.6	87.901	64.444	UL-RL	0.279	4.125	63	50.099	0.016	0	114.544
Stage 4-Scavo H=2m	-9.8	90.469	65.758	UL-RL	0.279	4.125	63	52.131	0.016	0	117.889
Stage 4-Scavo H=2m	-10	93.037	67.072	UL-RL	0.279	4.125	63	54.163	0.016	0	121.235
Stage 4-Scavo H=2m	-10.2	95.605	68.386	UL-RL	0.279	4.125	63	56.195	0.016	0	124.581
Stage 4-Scavo H=2m	-10.4	98.173	69.701	UL-RL	0.279	4.125	63	58.227	0.016	0	127.927
Stage 4-Scavo H=2m	-10.6	100.741	71.015	UL-RL	0.279	4.125	63	60.258	0.016	0	131.274
Stage 4-Scavo H=2m	-10.8	103.31	72.329	UL-RL	0.279	4.125	63	62.29	0.016	0	134.62
Stage 4-Scavo H=2m	-11	105.878	73.643	UL-RL	0.279	4.125	63	64.322	0.016	0	137.965
Stage 4-Scavo H=2m	-11.2	108.446	74.957	UL-RL	0.279	4.125	63	66.354	0.016	0	141.311
Stage 4-Scavo H=2m	-11.4	111.014	76.27	UL-RL	0.279	4.125	63	68.386	0.016	0	144.656
Stage 4-Scavo H=2m	-11.6	113.582	77.582	UL-RL	0.279	4.125	63	70.418	0.016	0	148
Stage 4-Scavo H=2m	-11.8	116.15	78.894	UL-RL	0.279	4.125	63	72.449	0.016	0	151.344
Stage 4-Scavo H=2m	-12	118.719	80.205	UL-RL	0.279	4.125	63	74.481	0.016	0	154.687
Stage 4-Scavo H=2m	-12.2	121.287	81.516	UL-RL	0.279	4.125	63	76.513	0.016	0	158.029
Stage 4-Scavo H=2m	-12.4	123.855	82.825	UL-RL	0.279	4.125	63	78.545	0.016	0	161.37
Stage 4-Scavo H=2m	-12.6	126.423	84.134	UL-RL	0.279	4.125	63	80.577	0.016	0	164.711
Stage 4-Scavo H=2m	-12.8	128.991	85.442	UL-RL	0.279	4.125	63	82.609	0.016	0	168.051
Stage 4-Scavo H=2m	-13	131.559	86.749	UL-RL	0.279	4.125	63	84.64	0.016	0	171.39
Stage 4-Scavo H=2m	-13.2	134.128	88.056	UL-RL	0.279	4.125	63	86.672	0.016	0	174.728
Stage 4-Scavo H=2m	-13.4	136.696	89.361	UL-RL	0.279	4.125	63	88.704	0.016	0	178.065
Stage 4-Scavo H=2m	-13.6	139.264	90.666	UL-RL	0.279	4.125	63	90.736	0.016	0	181.402
Stage 4-Scavo H=2m	-13.8	141.832	91.97	UL-RL	0.279	4.125	63	92.768	0.016	0	184.737
Stage 4-Scavo H=2m	-14	144.4	93.273	UL-RL	0.279	4.125	63	94.8	0.016	0	188.072
Stage 4-Scavo H=2m	-14.2	146.968	94.575	UL-RL	0.279	4.125	63	96.831	0.016	0	191.406
Stage 4-Scavo H=2m	-14.4	149.537	95.877	UL-RL	0.279	4.125	63	98.863	0.016	0	194.74
Stage 4-Scavo H=2m	-14.6	152.105	97.177	UL-RL	0.279	4.125	63	100.895	0.016	0	198.072
Stage 4-Scavo H=2m	-14.8	154.673	98.477	UL-RL	0.279	4.125	63	102.927	0.016	0	201.404
Stage 4-Scavo H=2m	-15	157.241	99.777	UL-RL	0.279	4.125	63	104.959	0.016	0	204.735
Stage 4-Scavo H=2m	-15.2	159.809	101.076	UL-RL	0.279	4.125	63	106.99	0.016	0	208.066
Stage 4-Scavo H=2m	-15.4	162.377	102.374	UL-RL	0.279	4.125	63	109.022	0.016	0	211.396

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 4-Scavo H=2m	-15.6	164.946	103.671	UL-RL	0.279	4.125	63	111.054	0.016	0	214.725
Stage 4-Scavo H=2m	-15.8	167.514	104.968	UL-RL	0.279	4.125	63	113.086	0.016	0	218.054

5.5.5. Tabella Risultati Terreno Left Wall - Nominal - Stage 5-Scavo H=4m

Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 5-Scavo H=4m	-1.6	0	0	ACTIVE	0.344	4.867	10	0	0	0	0
Stage 5-Scavo H=4m	-1.8	4	0	ACTIVE	0.344	4.867	10	0	0	0	0
Stage 5-Scavo H=4m	-2	8	0	ACTIVE	0.344	4.867	10	0	0	0	0
Stage 5-Scavo H=4m	-2.2	12	0	ACTIVE	0.344	4.867	10	0	0	0	0
Stage 5-Scavo H=4m	-2.4	16	0	ACTIVE	0.344	4.867	10	0	0	0	0
Stage 5-Scavo H=4m	-2.6	20	0	ACTIVE	0.344	4.867	10	0	0	0	0
Stage 5-Scavo H=4m	-2.8	24	0	ACTIVE	0.344	4.867	10	0	0	0	0
Stage 5-Scavo H=4m	-3	28	0	ACTIVE	0.344	4.867	10	0	0	0	0
Stage 5-Scavo H=4m	-3.2	32	0	ACTIVE	0.395	6.59	63	0	0	0	0
Stage 5-Scavo H=4m	-3.4	36.6	0	ACTIVE	0.395	6.59	63	0	0	0	0
Stage 5-Scavo H=4m	-3.6	41.2	0	ACTIVE	0.395	6.59	63	0	0	0	0
Stage 5-Scavo H=4m	-3.8	45.8	0	ACTIVE	0.395	6.59	63	0	0	0	0
Stage 5-Scavo H=4m	-4	50.4	0	ACTIVE	0.395	6.59	63	0	0	0	0
Stage 5-Scavo H=4m	-4.2	55	0	ACTIVE	0.395	6.59	63	0	0	0	0
Stage 5-Scavo H=4m	-4.4	59.6	2.117	UL-RL	0.395	6.59	63	0	0	0	2.117
Stage 5-Scavo H=4m	-4.6	64.2	4.073	UL-RL	0.395	6.59	63	0	0	0	4.073
Stage 5-Scavo H=4m	-4.8	68.8	6.545	UL-RL	0.395	6.59	63	0	0	0	6.545
Stage 5-Scavo H=4m	-5	73.4	9.277	UL-RL	0.395	6.59	63	0	0	0	9.277
Stage 5-Scavo H=4m	-5.2	78	11.986	UL-RL	0.395	6.59	63	0	0	0	11.986
Stage 5-Scavo H=4m	-5.4	82.583	14.67	UL-RL	0.395	6.59	63	0.017	0.033	0	14.687
Stage 5-Scavo H=4m	-5.6	85.249	16.799	UL-RL	0.395	6.59	63	1.951	0.033	0	18.75
Stage 5-Scavo H=4m	-5.8	87.915	18.914	UL-RL	0.395	6.59	63	3.885	0.033	0	22.799
Stage 5-Scavo H=4m	-6	90.581	21.012	UL-RL	0.395	6.59	63	5.819	0.033	0	26.831
Stage 5-Scavo H=4m	-6.2	93.247	23.091	UL-RL	0.395	6.59	63	7.753	0.033	0	30.844
Stage 5-Scavo H=4m	-6.4	95.913	25.148	UL-RL	0.395	6.59	63	9.687	0.033	0	34.835
Stage 5-Scavo H=4m	-6.6	98.579	27.182	UL-RL	0.395	6.59	63	11.621	0.033	0	38.803
Stage 5-Scavo H=4m	-6.8	101.245	29.192	UL-RL	0.395	6.59	63	13.555	0.033	0	42.747
Stage 5-Scavo H=4m	-7	103.911	31.175	UL-RL	0.395	6.59	63	15.489	0.033	0	46.664
Stage 5-Scavo H=4m	-7.2	106.577	33.131	UL-RL	0.395	6.59	63	17.423	0.033	0	50.554
Stage 5-Scavo H=4m	-7.4	109.243	35.061	UL-RL	0.395	6.59	63	19.357	0.033	0	54.418
Stage 5-Scavo H=4m	-7.6	111.909	36.963	UL-RL	0.395	6.59	63	21.291	0.033	0	58.254
Stage 5-Scavo H=4m	-7.8	114.575	38.837	UL-RL	0.395	6.59	63	23.225	0.033	0	62.062
Stage 5-Scavo H=4m	-8	117.241	40.684	UL-RL	0.395	6.59	63	25.159	0.033	0	65.843
Stage 5-Scavo H=4m	-8.2	119.907	42.505	UL-RL	0.395	6.59	63	27.093	0.033	0	69.597
Stage 5-Scavo H=4m	-8.4	122.573	44.298	UL-RL	0.395	6.59	63	29.027	0.033	0	73.325
Stage 5-Scavo H=4m	-8.6	125.239	46.066	UL-RL	0.395	6.59	63	30.961	0.033	0	77.027
Stage 5-Scavo H=4m	-8.8	127.905	47.809	UL-RL	0.395	6.59	63	32.895	0.033	0	80.703
Stage 5-Scavo H=4m	-9	130.571	49.527	UL-RL	0.395	6.59	63	34.829	0.033	0	84.356
Stage 5-Scavo H=4m	-9.2	133.237	51.222	UL-RL	0.395	6.59	63	36.762	0.033	0	87.985
Stage 5-Scavo H=4m	-9.4	135.903	52.895	UL-RL	0.395	6.59	63	38.696	0.033	0	91.592
Stage 5-Scavo H=4m	-9.6	138.57	54.547	UL-RL	0.395	6.59	63	40.63	0.033	0	95.177
Stage 5-Scavo H=4m	-9.8	141.236	56.178	UL-RL	0.395	6.59	63	42.564	0.033	0	98.742
Stage 5-Scavo H=4m	-10	143.902	57.79	UL-RL	0.395	6.59	63	44.498	0.033	0	102.289
Stage 5-Scavo H=4m	-10.2	146.568	59.384	UL-RL	0.395	6.59	63	46.432	0.033	0	105.817
Stage 5-Scavo H=4m	-10.4	149.234	60.962	UL-RL	0.395	6.59	63	48.366	0.033	0	109.328
Stage 5-Scavo H=4m	-10.6	151.9	62.523	UL-RL	0.395	6.59	63	50.3	0.033	0	112.823
Stage 5-Scavo H=4m	-10.8	154.566	64.069	UL-RL	0.395	6.59	63	52.234	0.033	0	116.304
Stage 5-Scavo H=4m	-11	157.232	65.602	UL-RL	0.395	6.59	63	54.168	0.033	0	119.77
Stage 5-Scavo H=4m	-11.2	159.898	67.122	UL-RL	0.395	6.59	63	56.102	0.033	0	123.224
Stage 5-Scavo H=4m	-11.4	162.564	68.631	UL-RL	0.395	6.59	63	58.036	0.033	0	126.667
Stage 5-Scavo H=4m	-11.6	165.23	70.129	UL-RL	0.395	6.59	63	59.97	0.033	0	130.099
Stage 5-Scavo H=4m	-11.8	167.896	71.617	UL-RL	0.395	6.59	63	61.904	0.033	0	133.521
Stage 5-Scavo H=4m	-12	170.562	73.096	UL-RL	0.395	6.59	63	63.838	0.033	0	136.934
Stage 5-Scavo H=4m	-12.2	173.228	74.568	UL-RL	0.395	6.59	63	65.772	0.033	0	140.339
Stage 5-Scavo H=4m	-12.4	175.894	76.032	UL-RL	0.395	6.59	63	67.706	0.033	0	143.738
Stage 5-Scavo H=4m	-12.6	178.56	77.49	UL-RL	0.395	6.59	63	69.64	0.033	0	147.129
Stage 5-Scavo H=4m	-12.8	181.226	78.942	UL-RL	0.395	6.59	63	71.574	0.033	0	150.515
Stage 5-Scavo H=4m	-13	183.892	80.389	UL-RL	0.395	6.59	63	73.508	0.033	0	153.896
Stage 5-Scavo H=4m	-13.2	186.558	81.832	UL-RL	0.395	6.59	63	75.442	0.033	0	157.273
Stage 5-Scavo H=4m	-13.4	189.224	83.271	UL-RL	0.395	6.59	63	77.376	0.033	0	160.646
Stage 5-Scavo H=4m	-13.6	191.89	84.707	UL-RL	0.395	6.59	63	79.309	0.033	0	164.016
Stage 5-Scavo H=4m	-13.8	194.556	86.14	UL-RL	0.395	6.59	63	81.243	0.033	0	167.384
Stage 5-Scavo H=4m	-14	197.222	87.571	UL-RL	0.395	6.59	63	83.177	0.033	0	170.748
Stage 5-Scavo H=4m	-14.2	199.888	89	UL-RL	0.395	6.59	63	85.111	0.033	0	174.112
Stage 5-Scavo H=4m	-14.4	202.554	90.428	UL-RL	0.395	6.59	63	87.045	0.033	0	177.474
Stage 5-Scavo H=4m	-14.6	205.221	91.855	UL-RL	0.395	6.59	63	88.979	0.033	0	180.834
Stage 5-Scavo H=4m	-14.8	207.887	93.281	UL-RL	0.395	6.59	63	90.913	0.033	0	184.194

Design Assumption: Nominal		Risultati Terreno		Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq	
Stage 5-Scavo H=4m	-15	210.553	94.706	UL-RL	0.395	6.59	63	92.847	0.033	0	187.553	
Stage 5-Scavo H=4m	-15.2	213.219	96.131	UL-RL	0.395	6.59	63	94.781	0.033	0	190.912	
Stage 5-Scavo H=4m	-15.4	215.885	97.556	UL-RL	0.395	6.59	63	96.715	0.033	0	194.271	
Stage 5-Scavo H=4m	-15.6	218.551	98.98	UL-RL	0.395	6.59	63	98.649	0.033	0	197.629	
Stage 5-Scavo H=4m	-15.8	221.217	100.405	UL-RL	0.395	6.59	63	100.583	0.033	0	200.988	

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 5-Scavo H=4m	-1.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5-Scavo H=4m	-1.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5-Scavo H=4m	-2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5-Scavo H=4m	-2.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5-Scavo H=4m	-2.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5-Scavo H=4m	-2.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5-Scavo H=4m	-2.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5-Scavo H=4m	-3	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5-Scavo H=4m	-3.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5-Scavo H=4m	-3.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5-Scavo H=4m	-3.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5-Scavo H=4m	-3.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5-Scavo H=4m	-4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5-Scavo H=4m	-4.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5-Scavo H=4m	-4.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5-Scavo H=4m	-4.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5-Scavo H=4m	-4.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5-Scavo H=4m	-5	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5-Scavo H=4m	-5.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5-Scavo H=4m	-5.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5-Scavo H=4m	-5.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5-Scavo H=4m	-5.8	4.6	30.049	UL-RL	0.279	4.544	63	0	0	0	30.049
Stage 5-Scavo H=4m	-6	9.2	34.46	UL-RL	0.279	4.544	63	0	0	0	34.46
Stage 5-Scavo H=4m	-6.2	12.387	36.809	UL-RL	0.279	4.544	63	1.413	0.033	0	38.222
Stage 5-Scavo H=4m	-6.4	14.921	38.444	UL-RL	0.279	4.544	63	3.479	0.033	0	41.923
Stage 5-Scavo H=4m	-6.6	17.455	39.975	UL-RL	0.279	4.544	63	5.545	0.033	0	45.52
Stage 5-Scavo H=4m	-6.8	19.989	41.432	UL-RL	0.279	4.544	63	7.611	0.033	0	49.043
Stage 5-Scavo H=4m	-7	22.523	42.834	UL-RL	0.279	4.544	63	9.677	0.033	0	52.511
Stage 5-Scavo H=4m	-7.2	25.057	44.196	UL-RL	0.279	4.544	63	11.743	0.033	0	55.939
Stage 5-Scavo H=4m	-7.4	27.591	45.528	UL-RL	0.279	4.544	63	13.809	0.033	0	59.337
Stage 5-Scavo H=4m	-7.6	30.125	46.837	UL-RL	0.279	4.544	63	15.875	0.033	0	62.712
Stage 5-Scavo H=4m	-7.8	32.659	48.129	UL-RL	0.279	4.544	63	17.941	0.033	0	66.07
Stage 5-Scavo H=4m	-8	35.193	49.41	UL-RL	0.279	4.544	63	20.007	0.033	0	69.417
Stage 5-Scavo H=4m	-8.2	37.727	50.682	UL-RL	0.279	4.544	63	22.073	0.033	0	72.755
Stage 5-Scavo H=4m	-8.4	40.261	51.949	UL-RL	0.279	4.544	63	24.139	0.033	0	76.088
Stage 5-Scavo H=4m	-8.6	42.795	53.212	UL-RL	0.279	4.544	63	26.205	0.033	0	79.417
Stage 5-Scavo H=4m	-8.8	45.328	54.474	UL-RL	0.279	4.544	63	28.271	0.033	0	82.745
Stage 5-Scavo H=4m	-9	47.862	55.736	UL-RL	0.279	4.544	63	30.337	0.033	0	86.073
Stage 5-Scavo H=4m	-9.2	50.396	56.998	UL-RL	0.279	4.544	63	32.404	0.033	0	89.402
Stage 5-Scavo H=4m	-9.4	52.93	58.262	UL-RL	0.279	4.544	63	34.47	0.033	0	92.732
Stage 5-Scavo H=4m	-9.6	55.464	59.528	UL-RL	0.279	4.544	63	36.536	0.033	0	96.064
Stage 5-Scavo H=4m	-9.8	57.998	60.796	UL-RL	0.279	4.544	63	38.602	0.033	0	99.398
Stage 5-Scavo H=4m	-10	60.532	62.068	UL-RL	0.279	4.544	63	40.668	0.033	0	102.735
Stage 5-Scavo H=4m	-10.2	63.066	63.341	UL-RL	0.279	4.544	63	42.734	0.033	0	106.075
Stage 5-Scavo H=4m	-10.4	65.6	64.618	UL-RL	0.279	4.544	63	44.8	0.033	0	109.417
Stage 5-Scavo H=4m	-10.6	68.134	65.897	UL-RL	0.279	4.544	63	46.866	0.033	0	112.763
Stage 5-Scavo H=4m	-10.8	70.668	67.179	UL-RL	0.279	4.544	63	48.932	0.033	0	116.11
Stage 5-Scavo H=4m	-11	73.202	68.463	UL-RL	0.279	4.544	63	50.998	0.033	0	119.46
Stage 5-Scavo H=4m	-11.2	75.736	69.749	UL-RL	0.279	4.544	63	53.064	0.033	0	122.813
Stage 5-Scavo H=4m	-11.4	78.27	71.037	UL-RL	0.279	4.544	63	55.13	0.033	0	126.167
Stage 5-Scavo H=4m	-11.6	80.804	72.327	UL-RL	0.279	4.544	63	57.196	0.033	0	129.523
Stage 5-Scavo H=4m	-11.8	83.338	73.618	UL-RL	0.279	4.544	63	59.262	0.033	0	132.88
Stage 5-Scavo H=4m	-12	85.872	74.91	UL-RL	0.279	4.544	63	61.328	0.033	0	136.238
Stage 5-Scavo H=4m	-12.2	88.406	76.204	UL-RL	0.279	4.544	63	63.394	0.033	0	139.598
Stage 5-Scavo H=4m	-12.4	90.94	77.498	UL-RL	0.279	4.544	63	65.46	0.033	0	142.958
Stage 5-Scavo H=4m	-12.6	93.474	78.792	UL-RL	0.279	4.544	63	67.526	0.033	0	146.318
Stage 5-Scavo H=4m	-12.8	96.008	80.086	UL-RL	0.279	4.544	63	69.592	0.033	0	149.678
Stage 5-Scavo H=4m	-13	98.541	81.38	UL-RL	0.279	4.544	63	71.658	0.033	0	153.039
Stage 5-Scavo H=4m	-13.2	101.075	82.674	UL-RL	0.279	4.544	63	73.724	0.033	0	156.398
Stage 5-Scavo H=4m	-13.4	103.609	83.967	UL-RL	0.279	4.544	63	75.79	0.033	0	159.758
Stage 5-Scavo H=4m	-13.6	106.143	85.26	UL-RL	0.279	4.544	63	77.856	0.033	0	163.116
Stage 5-Scavo H=4m	-13.8	108.677	86.552	UL-RL	0.279	4.544	63	79.922	0.033	0	166.474
Stage 5-Scavo H=4m	-14	111.211	87.842	UL-RL	0.279	4.544	63	81.989	0.033	0	169.831
Stage 5-Scavo H=4m	-14.2	113.745	89.131	UL-RL	0.279	4.544	63	84.055	0.033	0	173.186
Stage 5-Scavo H=4m	-14.4	116.279	90.419	UL-RL	0.279	4.544	63	86.121	0.033	0	176.54
Stage 5-Scavo H=4m	-14.6	118.813	91.706	UL-RL	0.279	4.544	63	88.187	0.033	0	179.892
Stage 5-Scavo H=4m	-14.8	121.347	92.991	UL-RL	0.279	4.544	63	90.253	0.033	0	183.244
Stage 5-Scavo H=4m	-15	123.881	94.274	UL-RL	0.279	4.544	63	92.319	0.033	0	186.593
Stage 5-Scavo H=4m	-15.2	126.415	95.556	UL-RL	0.279	4.544	63	94.385	0.033	0	189.941
Stage 5-Scavo H=4m	-15.4	128.949	96.836	UL-RL	0.279	4.544	63	96.451	0.033	0	193.287

Design Assumption: Nominal		Risultati Terreno		Muro:	LEFT		Lato	RIGHT			
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 5-Scavo H=4m	-15.6	131.483	98.115	UL-RL	0.279	4.544	63	98.517	0.033	0	196.632
Stage 5-Scavo H=4m	-15.8	134.017	99.392	UL-RL	0.279	4.544	63	100.583	0.033	0	199.975

5.5.6. Tabella Risultati Terreno Left Wall - Nominal - Stage 6-Scavo H=6.5m

Design Assumption:	Nominal	Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 6-Scavo H=6.5m	-1.6	0	0	ACTIVE	0.344	4.867	10	0	0	0	0
Stage 6-Scavo H=6.5m	-1.8	4	0	ACTIVE	0.344	4.867	10	0	0	0	0
Stage 6-Scavo H=6.5m	-2	8	0	ACTIVE	0.344	4.867	10	0	0	0	0
Stage 6-Scavo H=6.5m	-2.2	12	0	ACTIVE	0.344	4.867	10	0	0	0	0
Stage 6-Scavo H=6.5m	-2.4	16	0	ACTIVE	0.344	4.867	10	0	0	0	0
Stage 6-Scavo H=6.5m	-2.6	20	0	ACTIVE	0.344	4.867	10	0	0	0	0
Stage 6-Scavo H=6.5m	-2.8	24	0	ACTIVE	0.344	4.867	10	0	0	0	0
Stage 6-Scavo H=6.5m	-3	28	0	ACTIVE	0.344	4.867	10	0	0	0	0
Stage 6-Scavo H=6.5m	-3.2	32	0	ACTIVE	0.395	6.59	63	0	0	0	0
Stage 6-Scavo H=6.5m	-3.4	36.6	0	ACTIVE	0.395	6.59	63	0	0	0	0
Stage 6-Scavo H=6.5m	-3.6	41.2	0	ACTIVE	0.395	6.59	63	0	0	0	0
Stage 6-Scavo H=6.5m	-3.8	45.8	0	ACTIVE	0.395	6.59	63	0	0	0	0
Stage 6-Scavo H=6.5m	-4	50.4	0	ACTIVE	0.395	6.59	63	0	0	0	0
Stage 6-Scavo H=6.5m	-4.2	55	0	ACTIVE	0.395	6.59	63	0	0	0	0
Stage 6-Scavo H=6.5m	-4.4	59.6	0	ACTIVE	0.395	6.59	63	0	0	0	0
Stage 6-Scavo H=6.5m	-4.6	64.2	0	ACTIVE	0.395	6.59	63	0	0	0	0
Stage 6-Scavo H=6.5m	-4.8	68.8	0	ACTIVE	0.395	6.59	63	0	0	0	0
Stage 6-Scavo H=6.5m	-5	73.4	0	ACTIVE	0.395	6.59	63	0	0	0	0
Stage 6-Scavo H=6.5m	-5.2	78	0	ACTIVE	0.395	6.59	63	0	0	0	0
Stage 6-Scavo H=6.5m	-5.4	82.6	0	ACTIVE	0.395	6.59	63	0	0	0	0
Stage 6-Scavo H=6.5m	-5.6	87.2	0	ACTIVE	0.395	6.59	63	0	0	0	0
Stage 6-Scavo H=6.5m	-5.8	91.8	0	ACTIVE	0.395	6.59	63	0	0	0	0
Stage 6-Scavo H=6.5m	-6	96.4	0	ACTIVE	0.395	6.59	63	0	0	0	0
Stage 6-Scavo H=6.5m	-6.2	101	0	ACTIVE	0.395	6.59	63	0	0	0	0
Stage 6-Scavo H=6.5m	-6.4	105.6	0	ACTIVE	0.395	6.59	63	0	0	0	0
Stage 6-Scavo H=6.5m	-6.6	110.2	1.464	UL-RL	0.395	6.59	63	0	0	0	1.464
Stage 6-Scavo H=6.5m	-6.8	114.8	4.419	UL-RL	0.395	6.59	63	0	0	0	4.419
Stage 6-Scavo H=6.5m	-7	119.4	7.355	UL-RL	0.395	6.59	63	0	0	0	7.355
Stage 6-Scavo H=6.5m	-7.2	124	10.271	UL-RL	0.395	6.59	63	0	0	0	10.271
Stage 6-Scavo H=6.5m	-7.4	128.6	13.168	UL-RL	0.395	6.59	63	0	0	0	13.168
Stage 6-Scavo H=6.5m	-7.6	132.996	16.042	UL-RL	0.395	6.59	63	0.204	0.095	0	16.245
Stage 6-Scavo H=6.5m	-7.8	135.786	18.489	UL-RL	0.395	6.59	63	2.014	0.095	0	20.503
Stage 6-Scavo H=6.5m	-8	138.575	20.918	UL-RL	0.395	6.59	63	3.825	0.095	0	24.743
Stage 6-Scavo H=6.5m	-8.2	141.364	23.328	UL-RL	0.395	6.59	63	5.636	0.095	0	28.964
Stage 6-Scavo H=6.5m	-8.4	144.154	25.717	UL-RL	0.395	6.59	63	7.446	0.095	0	33.164
Stage 6-Scavo H=6.5m	-8.6	146.943	28.083	UL-RL	0.395	6.59	63	9.257	0.095	0	37.34
Stage 6-Scavo H=6.5m	-8.8	149.732	30.424	UL-RL	0.395	6.59	63	11.067	0.095	0	41.492
Stage 6-Scavo H=6.5m	-9	152.522	32.74	UL-RL	0.395	6.59	63	12.878	0.095	0	45.618
Stage 6-Scavo H=6.5m	-9.2	155.311	35.028	UL-RL	0.395	6.59	63	14.689	0.095	0	49.717
Stage 6-Scavo H=6.5m	-9.4	158.101	37.289	UL-RL	0.395	6.59	63	16.499	0.095	0	53.788
Stage 6-Scavo H=6.5m	-9.6	160.89	39.522	UL-RL	0.395	6.59	63	18.31	0.095	0	57.832
Stage 6-Scavo H=6.5m	-9.8	163.679	41.727	UL-RL	0.395	6.59	63	20.12	0.095	0	61.847
Stage 6-Scavo H=6.5m	-10	166.469	43.904	UL-RL	0.395	6.59	63	21.931	0.095	0	65.835
Stage 6-Scavo H=6.5m	-10.2	169.258	46.054	UL-RL	0.395	6.59	63	23.742	0.095	0	69.796
Stage 6-Scavo H=6.5m	-10.4	172.048	48.177	UL-RL	0.395	6.59	63	25.552	0.095	0	73.729
Stage 6-Scavo H=6.5m	-10.6	174.837	50.274	UL-RL	0.395	6.59	63	27.363	0.095	0	77.637
Stage 6-Scavo H=6.5m	-10.8	177.626	52.345	UL-RL	0.395	6.59	63	29.173	0.095	0	81.519
Stage 6-Scavo H=6.5m	-11	180.416	54.392	UL-RL	0.395	6.59	63	30.984	0.095	0	85.376
Stage 6-Scavo H=6.5m	-11.2	183.205	56.415	UL-RL	0.395	6.59	63	32.795	0.095	0	89.209
Stage 6-Scavo H=6.5m	-11.4	185.994	58.415	UL-RL	0.395	6.59	63	34.605	0.095	0	93.02
Stage 6-Scavo H=6.5m	-11.6	188.784	60.394	UL-RL	0.395	6.59	63	36.416	0.095	0	96.81
Stage 6-Scavo H=6.5m	-11.8	191.573	62.353	UL-RL	0.395	6.59	63	38.227	0.095	0	100.58
Stage 6-Scavo H=6.5m	-12	194.363	64.294	UL-RL	0.395	6.59	63	40.037	0.095	0	104.331
Stage 6-Scavo H=6.5m	-12.2	197.152	66.216	UL-RL	0.395	6.59	63	41.848	0.095	0	108.064
Stage 6-Scavo H=6.5m	-12.4	199.941	68.123	UL-RL	0.395	6.59	63	43.658	0.095	0	111.781
Stage 6-Scavo H=6.5m	-12.6	202.731	70.015	UL-RL	0.395	6.59	63	45.469	0.095	0	115.484
Stage 6-Scavo H=6.5m	-12.8	205.52	71.893	UL-RL	0.395	6.59	63	47.28	0.095	0	119.172
Stage 6-Scavo H=6.5m	-13	208.31	73.759	UL-RL	0.395	6.59	63	49.09	0.095	0	122.849
Stage 6-Scavo H=6.5m	-13.2	211.099	75.614	UL-RL	0.395	6.59	63	50.901	0.095	0	126.515
Stage 6-Scavo H=6.5m	-13.4	213.888	77.459	UL-RL	0.395	6.59	63	52.712	0.095	0	130.171
Stage 6-Scavo H=6.5m	-13.6	216.678	79.296	UL-RL	0.395	6.59	63	54.522	0.095	0	133.819
Stage 6-Scavo H=6.5m	-13.8	219.467	81.126	UL-RL	0.395	6.59	63	56.333	0.095	0	137.459
Stage 6-Scavo H=6.5m	-14	222.256	82.95	UL-RL	0.395	6.59	63	58.143	0.095	0	141.093
Stage 6-Scavo H=6.5m	-14.2	225.046	84.768	UL-RL	0.395	6.59	63	59.954	0.095	0	144.722
Stage 6-Scavo H=6.5m	-14.4	227.835	86.583	UL-RL	0.395	6.59	63	61.765	0.095	0	148.348
Stage 6-Scavo H=6.5m	-14.6	230.625	88.394	UL-RL	0.395	6.59	63	63.575	0.095	0	151.969
Stage 6-Scavo H=6.5m	-14.8	233.414	90.203	UL-RL	0.395	6.59	63	65.386	0.095	0	155.589

Design Assumption:	Nominal	Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 6-Scavo H=6.5m	-15	236.203	92.01	UL-RL	0.395	6.59	63	67.196	0.095	0	159.206
Stage 6-Scavo H=6.5m	-15.2	238.993	93.816	UL-RL	0.395	6.59	63	69.007	0.095	0	162.823
Stage 6-Scavo H=6.5m	-15.4	241.782	95.621	UL-RL	0.395	6.59	63	70.818	0.095	0	166.439
Stage 6-Scavo H=6.5m	-15.6	244.572	97.426	UL-RL	0.395	6.59	63	72.628	0.095	0	170.055
Stage 6-Scavo H=6.5m	-15.8	247.361	99.231	UL-RL	0.395	6.59	63	74.439	0.095	0	173.67

Design Assumption:	Nominal	Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 6-Scavo H=6.5m	-1.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-1.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-2.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-2.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-2.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-2.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-3	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-3.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-3.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-3.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-3.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-4.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-4.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-4.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-4.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-5	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-5.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-5.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-5.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-5.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-6.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-6.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-6.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-6.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-7	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-7.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-7.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-7.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-7.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6-Scavo H=6.5m	-8.2	2.3	38.962	UL-RL	0.279	4.555	63	0	0	0	38.962
Stage 6-Scavo H=6.5m	-8.4	6.9	45.118	UL-RL	0.279	4.555	63	0	0	0	45.118
Stage 6-Scavo H=6.5m	-8.6	11.5	49.3	UL-RL	0.279	4.555	63	0	0	0	49.3
Stage 6-Scavo H=6.5m	-8.8	16.1	52.699	UL-RL	0.279	4.555	63	0	0	0	52.699
Stage 6-Scavo H=6.5m	-9	20.7	55.656	UL-RL	0.279	4.555	63	0	0	0	55.656
Stage 6-Scavo H=6.5m	-9.2	23.111	56.939	UL-RL	0.279	4.555	63	2.189	0.095	0	59.128
Stage 6-Scavo H=6.5m	-9.4	25.521	58.181	UL-RL	0.279	4.555	63	4.379	0.095	0	62.56
Stage 6-Scavo H=6.5m	-9.6	27.932	59.392	UL-RL	0.279	4.555	63	6.568	0.095	0	65.96
Stage 6-Scavo H=6.5m	-9.8	30.342	60.58	UL-RL	0.279	4.555	63	8.757	0.095	0	69.337
Stage 6-Scavo H=6.5m	-10	32.753	61.749	UL-RL	0.279	4.555	63	10.947	0.095	0	72.696
Stage 6-Scavo H=6.5m	-10.2	35.164	62.904	UL-RL	0.279	4.555	63	13.136	0.095	0	76.04
Stage 6-Scavo H=6.5m	-10.4	37.574	64.049	UL-RL	0.279	4.555	63	15.326	0.095	0	79.375
Stage 6-Scavo H=6.5m	-10.6	39.985	65.187	UL-RL	0.279	4.555	63	17.515	0.095	0	82.702
Stage 6-Scavo H=6.5m	-10.8	42.395	66.32	UL-RL	0.279	4.555	63	19.704	0.095	0	86.024
Stage 6-Scavo H=6.5m	-11	44.806	67.448	UL-RL	0.279	4.555	63	21.894	0.095	0	89.342
Stage 6-Scavo H=6.5m	-11.2	47.217	68.575	UL-RL	0.279	4.555	63	24.083	0.095	0	92.658
Stage 6-Scavo H=6.5m	-11.4	49.627	69.7	UL-RL	0.279	4.555	63	26.272	0.095	0	95.973
Stage 6-Scavo H=6.5m	-11.6	52.038	70.825	UL-RL	0.279	4.555	63	28.462	0.095	0	99.286
Stage 6-Scavo H=6.5m	-11.8	54.449	71.949	UL-RL	0.279	4.555	63	30.651	0.095	0	102.6
Stage 6-Scavo H=6.5m	-12	56.859	73.073	UL-RL	0.279	4.555	63	32.841	0.095	0	105.914
Stage 6-Scavo H=6.5m	-12.2	59.27	74.197	UL-RL	0.279	4.555	63	35.03	0.095	0	109.227
Stage 6-Scavo H=6.5m	-12.4	61.68	75.322	UL-RL	0.279	4.555	63	37.219	0.095	0	112.542
Stage 6-Scavo H=6.5m	-12.6	64.091	76.447	UL-RL	0.279	4.555	63	39.409	0.095	0	115.856
Stage 6-Scavo H=6.5m	-12.8	66.502	77.572	UL-RL	0.279	4.555	63	41.598	0.095	0	119.17
Stage 6-Scavo H=6.5m	-13	68.912	78.696	UL-RL	0.279	4.555	63	43.788	0.095	0	122.484
Stage 6-Scavo H=6.5m	-13.2	71.323	79.82	UL-RL	0.279	4.555	63	45.977	0.095	0	125.797
Stage 6-Scavo H=6.5m	-13.4	73.733	80.944	UL-RL	0.279	4.555	63	48.166	0.095	0	129.11
Stage 6-Scavo H=6.5m	-13.6	76.144	82.066	UL-RL	0.279	4.555	63	50.356	0.095	0	132.422
Stage 6-Scavo H=6.5m	-13.8	78.555	83.187	UL-RL	0.279	4.555	63	52.545	0.095	0	135.732
Stage 6-Scavo H=6.5m	-14	80.965	84.305	UL-RL	0.279	4.555	63	54.734	0.095	0	139.04
Stage 6-Scavo H=6.5m	-14.2	83.376	85.422	UL-RL	0.279	4.555	63	56.924	0.095	0	142.346
Stage 6-Scavo H=6.5m	-14.4	85.787	86.537	UL-RL	0.279	4.555	63	59.113	0.095	0	145.65
Stage 6-Scavo H=6.5m	-14.6	88.197	87.648	UL-RL	0.279	4.555	63	61.303	0.095	0	148.951
Stage 6-Scavo H=6.5m	-14.8	90.608	88.757	UL-RL	0.279	4.555	63	63.492	0.095	0	152.249
Stage 6-Scavo H=6.5m	-15	93.018	89.863	UL-RL	0.279	4.555	63	65.681	0.095	0	155.544
Stage 6-Scavo H=6.5m	-15.2	95.429	90.965	UL-RL	0.279	4.555	63	67.871	0.095	0	158.836
Stage 6-Scavo H=6.5m	-15.4	97.84	92.064	UL-RL	0.279	4.555	63	70.06	0.095	0	162.125

Design Assumption:	Nominal	Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Stage 6-Scavo H=6.5m	-15.6	100.25	93.16	UL-RL	0.279	4.555	63	72.25	0.095	0	165.41
Stage 6-Scavo H=6.5m	-15.8	102.661	94.253	UL-RL	0.279	4.555	63	74.439	0.095	0	168.692

5.5.7. Tabella Risultati Terreno Left Wall - Nominal - Sismica

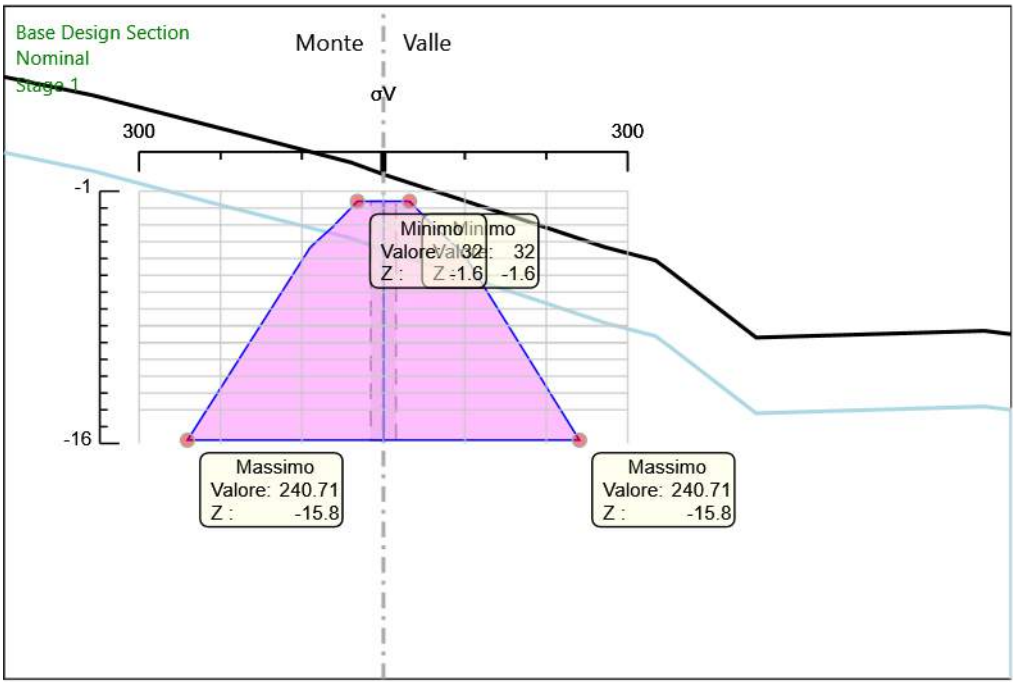
Design Assumption: Nominal	Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Sismica	-1.6	0	0	ACTIVE	0.344	5.054	10	0	0	0	0
Sismica	-1.8	4	0	ACTIVE	0.344	5.054	10	0	0	0	0
Sismica	-2	8	0	ACTIVE	0.344	5.054	10	0	0	0	0
Sismica	-2.2	12	0	ACTIVE	0.344	5.054	10	0	0	0	0
Sismica	-2.4	16	0	ACTIVE	0.344	5.054	10	0	0	0	0
Sismica	-2.6	20	0	ACTIVE	0.344	5.054	10	0	0	0	0
Sismica	-2.8	24	0	ACTIVE	0.344	5.054	10	0	0	0	0
Sismica	-3	28	0	ACTIVE	0.344	5.054	10	0	0	0	0
Sismica	-3.2	32	0	ACTIVE	0.395	6.78	63	0	0	0	0
Sismica	-3.4	36.6	0	ACTIVE	0.395	6.78	63	0	0	0	0
Sismica	-3.6	41.2	0	ACTIVE	0.395	6.78	63	0	0	0	0
Sismica	-3.8	45.8	0	ACTIVE	0.395	6.78	63	0	0	0	0
Sismica	-4	50.4	0	ACTIVE	0.395	6.78	63	0	0	0	0
Sismica	-4.2	55	0	ACTIVE	0.395	6.78	63	0	0	0	0
Sismica	-4.4	59.6	0	ACTIVE	0.395	6.78	63	0	0	0	0
Sismica	-4.6	64.2	0	ACTIVE	0.395	6.78	63	0	0	0	0
Sismica	-4.8	68.8	0	ACTIVE	0.395	6.78	63	0	0	0	0
Sismica	-5	73.4	0	ACTIVE	0.395	6.78	63	0	0	0	0
Sismica	-5.2	78	0	ACTIVE	0.395	6.78	63	0	0	0	0
Sismica	-5.4	82.6	0	ACTIVE	0.395	6.78	63	0	0	0	0
Sismica	-5.6	87.2	0	ACTIVE	0.395	6.78	63	0	0	0	0
Sismica	-5.8	91.8	0	ACTIVE	0.395	6.78	63	0	0	0	0
Sismica	-6	96.4	0	ACTIVE	0.395	6.78	63	0	0	0	0
Sismica	-6.2	101	0	ACTIVE	0.395	6.78	63	0	0	0	0
Sismica	-6.4	105.6	0	ACTIVE	0.395	6.78	63	0	0	0	0
Sismica	-6.6	110.2	0	ACTIVE	0.395	6.78	63	0	0	0	0
Sismica	-6.8	114.8	0	ACTIVE	0.395	6.78	63	0	0	0	0
Sismica	-7	119.4	0	ACTIVE	0.395	6.78	63	0	0	0	0
Sismica	-7.2	124	0	ACTIVE	0.395	6.78	63	0	0	0	0
Sismica	-7.4	128.6	0	ACTIVE	0.395	6.78	63	0	0	0	0
Sismica	-7.6	132.996	0	ACTIVE	0.395	6.78	63	0.204	0.095	0	0.204
Sismica	-7.8	135.786	0	ACTIVE	0.395	6.777	63	2.014	0.095	0	2.014
Sismica	-8	138.575	0	ACTIVE	0.395	6.774	63	3.825	0.095	0	3.825
Sismica	-8.2	141.364	0	ACTIVE	0.395	6.772	63	5.636	0.095	0	5.636
Sismica	-8.4	144.154	1.754	UL-RL	0.395	6.769	63	7.446	0.095	0	9.2
Sismica	-8.6	146.943	6.36	UL-RL	0.395	6.767	63	9.257	0.095	0	15.617
Sismica	-8.8	149.732	10.834	UL-RL	0.395	6.764	63	11.067	0.095	0	21.902
Sismica	-9	152.522	15.175	UL-RL	0.395	6.762	63	12.878	0.095	0	28.053
Sismica	-9.2	155.311	19.381	UL-RL	0.395	6.76	63	14.689	0.095	0	34.069
Sismica	-9.4	158.101	23.452	UL-RL	0.395	6.758	63	16.499	0.095	0	39.951
Sismica	-9.6	160.89	27.39	UL-RL	0.395	6.755	63	18.31	0.095	0	45.7
Sismica	-9.8	163.679	31.196	UL-RL	0.395	6.753	63	20.12	0.095	0	51.316
Sismica	-10	166.469	34.873	UL-RL	0.395	6.752	63	21.931	0.095	0	56.804
Sismica	-10.2	169.258	38.425	UL-RL	0.395	6.75	63	23.742	0.095	0	62.167
Sismica	-10.4	172.048	41.855	UL-RL	0.395	6.748	63	25.552	0.095	0	67.407
Sismica	-10.6	174.837	45.168	UL-RL	0.395	6.746	63	27.363	0.095	0	72.531
Sismica	-10.8	177.626	48.368	UL-RL	0.395	6.744	63	29.173	0.095	0	77.542
Sismica	-11	180.416	51.462	UL-RL	0.395	6.743	63	30.984	0.095	0	82.446
Sismica	-11.2	183.205	54.454	UL-RL	0.395	6.741	63	32.795	0.095	0	87.249
Sismica	-11.4	185.994	57.35	UL-RL	0.395	6.74	63	34.605	0.095	0	91.956
Sismica	-11.6	188.784	60.156	UL-RL	0.395	6.738	63	36.416	0.095	0	96.572
Sismica	-11.8	191.573	62.878	UL-RL	0.395	6.737	63	38.227	0.095	0	101.105
Sismica	-12	194.363	65.522	UL-RL	0.395	6.735	63	40.037	0.095	0	105.56
Sismica	-12.2	197.152	68.095	UL-RL	0.395	6.734	63	41.848	0.095	0	109.942
Sismica	-12.4	199.941	70.601	UL-RL	0.395	6.733	63	43.658	0.095	0	114.259
Sismica	-12.6	202.731	73.047	UL-RL	0.395	6.731	63	45.469	0.095	0	118.516
Sismica	-12.8	205.52	75.438	UL-RL	0.395	6.73	63	47.28	0.095	0	122.718
Sismica	-13	208.31	77.782	UL-RL	0.395	6.729	63	49.09	0.095	0	126.872
Sismica	-13.2	211.099	80.082	UL-RL	0.395	6.728	63	50.901	0.095	0	130.982
Sismica	-13.4	213.888	82.344	UL-RL	0.395	6.726	63	52.712	0.095	0	135.055
Sismica	-13.6	216.678	84.573	UL-RL	0.395	6.725	63	54.522	0.095	0	139.095
Sismica	-13.8	219.467	86.775	UL-RL	0.395	6.724	63	56.333	0.095	0	143.107
Sismica	-14	222.256	88.953	UL-RL	0.395	6.723	63	58.143	0.095	0	147.096
Sismica	-14.2	225.046	91.111	UL-RL	0.395	6.722	63	59.954	0.095	0	151.065
Sismica	-14.4	227.835	93.254	UL-RL	0.395	6.721	63	61.765	0.095	0	155.018
Sismica	-14.6	230.625	95.385	UL-RL	0.395	6.72	63	63.575	0.095	0	158.96
Sismica	-14.8	233.414	97.506	UL-RL	0.395	6.719	63	65.386	0.095	0	162.892

Design Assumption: Nominal	Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Sismica	-15	236.203	99.622	UL-RL	0.395	6.718	63	67.196	0.095	0	166.818
Sismica	-15.2	238.993	101.733	UL-RL	0.395	6.717	63	69.007	0.095	0	170.74
Sismica	-15.4	241.782	103.841	UL-RL	0.395	6.716	63	70.818	0.095	0	174.659
Sismica	-15.6	244.572	105.949	UL-RL	0.395	6.715	63	72.628	0.095	0	178.577
Sismica	-15.8	247.361	108.056	UL-RL	0.395	6.714	63	74.439	0.095	0	182.495

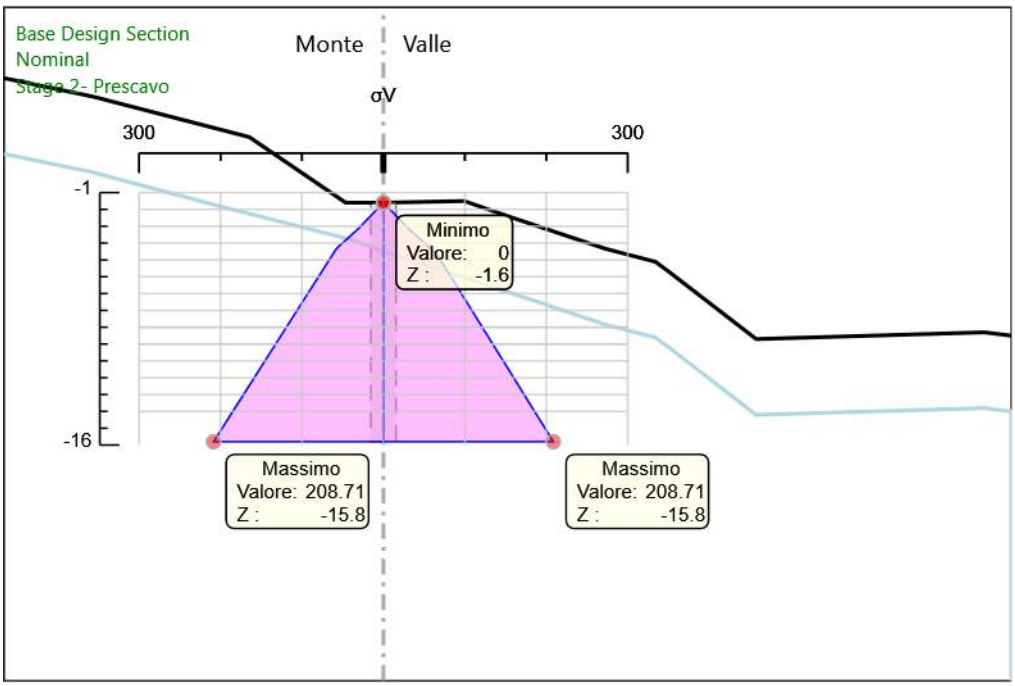
Design Assumption: Nominal		Risultati Terreno		Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Sismica	-1.6	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-1.8	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-2	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-2.2	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-2.4	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-2.6	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-2.8	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-3	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-3.2	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-3.4	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-3.6	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-3.8	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-4	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-4.2	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-4.4	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-4.6	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-4.8	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-5	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-5.2	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-5.4	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-5.6	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-5.8	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-6	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-6.2	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-6.4	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-6.6	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-6.8	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-7	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-7.2	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-7.4	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-7.6	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-7.8	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-8	0	0	REMOVED	0	0	0	0	0	0	0
Sismica	-8.2	2.3	55.804	UL-RL	0.279	4.075	64.508	0	0	0	55.804
Sismica	-8.4	6.9	60.459	UL-RL	0.279	4.075	64.508	0	0	0	60.459
Sismica	-8.6	11.5	63.207	UL-RL	0.279	4.075	64.508	0	0	0	63.207
Sismica	-8.8	16.1	65.24	UL-RL	0.279	4.075	64.508	0	0	0	65.24
Sismica	-9	20.7	66.901	UL-RL	0.279	4.075	64.508	0	0	0	66.901
Sismica	-9.2	23.111	66.956	UL-RL	0.279	4.049	64.508	2.189	0.095	0	69.146
Sismica	-9.4	25.521	67.039	UL-RL	0.279	4.027	64.508	4.379	0.095	0	71.418
Sismica	-9.6	27.932	67.159	UL-RL	0.279	4.01	64.508	6.568	0.095	0	73.727
Sismica	-9.8	30.342	67.322	UL-RL	0.279	3.995	64.508	8.757	0.095	0	76.079
Sismica	-10	32.753	67.53	UL-RL	0.279	3.983	64.508	10.947	0.095	0	78.477
Sismica	-10.2	35.164	67.789	UL-RL	0.279	3.972	64.508	13.136	0.095	0	80.925
Sismica	-10.4	37.574	68.097	UL-RL	0.279	3.962	64.508	15.326	0.095	0	83.423
Sismica	-10.6	39.985	68.456	UL-RL	0.279	3.954	64.508	17.515	0.095	0	85.971
Sismica	-10.8	42.395	68.865	UL-RL	0.279	3.947	64.508	19.704	0.095	0	88.57
Sismica	-11	44.806	69.324	UL-RL	0.279	3.94	64.508	21.894	0.095	0	91.218
Sismica	-11.2	47.217	69.83	UL-RL	0.279	3.934	64.508	24.083	0.095	0	93.913
Sismica	-11.4	49.627	70.382	UL-RL	0.279	3.929	64.508	26.272	0.095	0	96.654
Sismica	-11.6	52.038	70.977	UL-RL	0.279	3.924	64.508	28.462	0.095	0	99.439
Sismica	-11.8	54.449	71.613	UL-RL	0.279	3.92	64.508	30.651	0.095	0	102.264
Sismica	-12	56.859	72.286	UL-RL	0.279	3.916	64.508	32.841	0.095	0	105.127
Sismica	-12.2	59.27	72.995	UL-RL	0.279	3.912	64.508	35.03	0.095	0	108.025
Sismica	-12.4	61.68	73.736	UL-RL	0.279	3.909	64.508	37.219	0.095	0	110.955
Sismica	-12.6	64.091	74.506	UL-RL	0.279	3.905	64.508	39.409	0.095	0	113.915
Sismica	-12.8	66.502	75.302	UL-RL	0.279	3.902	64.508	41.598	0.095	0	116.9
Sismica	-13	68.912	76.121	UL-RL	0.279	3.9	64.508	43.788	0.095	0	119.908
Sismica	-13.2	71.323	76.96	UL-RL	0.279	3.897	64.508	45.977	0.095	0	122.937
Sismica	-13.4	73.733	77.817	UL-RL	0.279	3.895	64.508	48.166	0.095	0	125.983
Sismica	-13.6	76.144	78.688	UL-RL	0.279	3.893	64.508	50.356	0.095	0	129.043
Sismica	-13.8	78.555	79.57	UL-RL	0.279	3.891	64.508	52.545	0.095	0	132.116
Sismica	-14	80.965	80.463	UL-RL	0.279	3.889	64.508	54.734	0.095	0	135.197
Sismica	-14.2	83.376	81.362	UL-RL	0.279	3.887	64.508	56.924	0.095	0	138.286
Sismica	-14.4	85.787	82.266	UL-RL	0.279	3.885	64.508	59.113	0.095	0	141.379
Sismica	-14.6	88.197	83.173	UL-RL	0.279	3.883	64.508	61.303	0.095	0	144.476
Sismica	-14.8	90.608	84.082	UL-RL	0.279	3.882	64.508	63.492	0.095	0	147.574
Sismica	-15	93.018	84.99	UL-RL	0.279	3.88	64.508	65.681	0.095	0	150.671
Sismica	-15.2	95.429	85.897	UL-RL	0.279	3.879	64.508	67.871	0.095	0	153.768
Sismica	-15.4	97.84	86.802	UL-RL	0.279	3.878	64.508	70.06	0.095	0	156.862

Design Assumption: Nominal	Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V	Sigma H	Stato	Ka	Kp	Coesione	Pore	Gradiente	U*	Peq
Sismica	-15.6	100.25	87.704	UL-RL	0.279	3.876	64.508	72.25	0.095	0	159.954
Sismica	-15.8	102.661	88.603	UL-RL	0.279	3.875	64.508	74.439	0.095	0	163.042

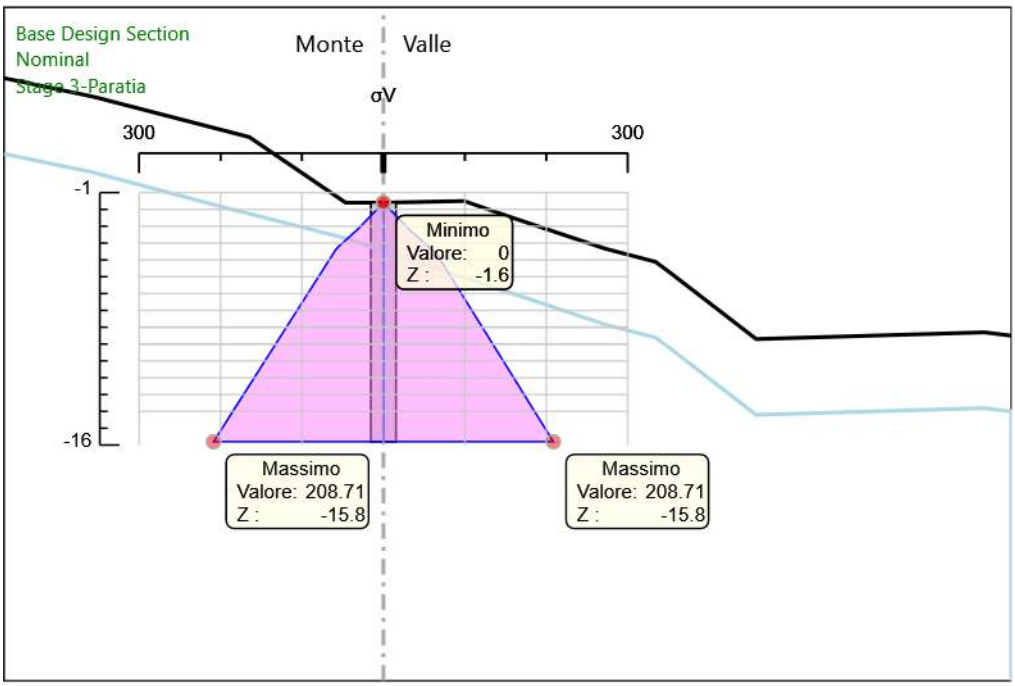
5.6. Grafico Risultati Terreno Sigma V



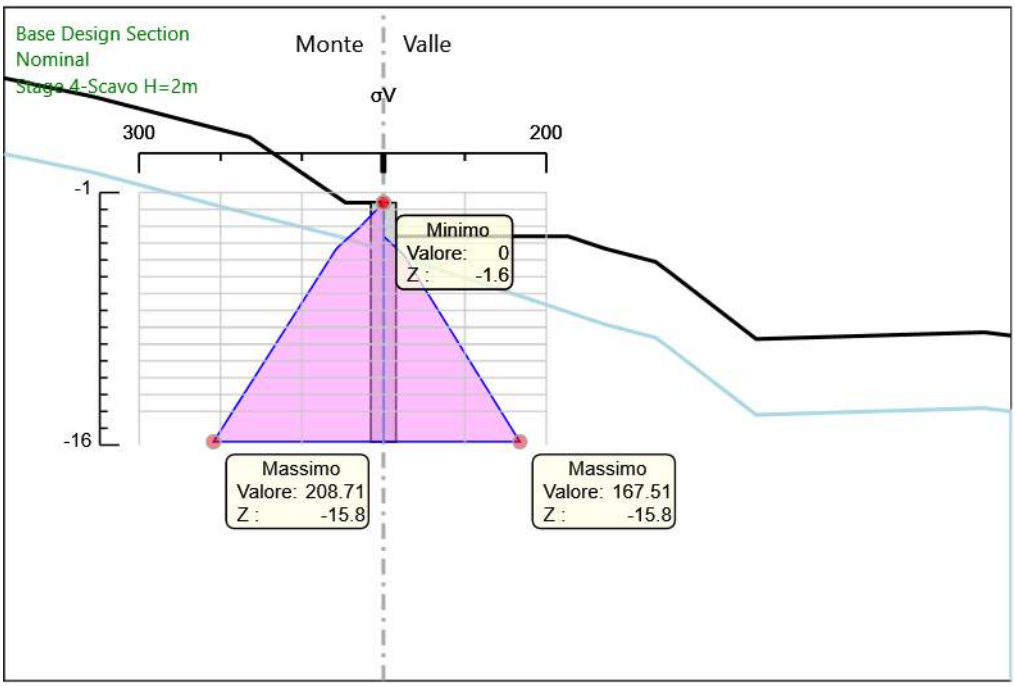
Design Assumption: Nominal
Stage: Stage 1
Sigma V



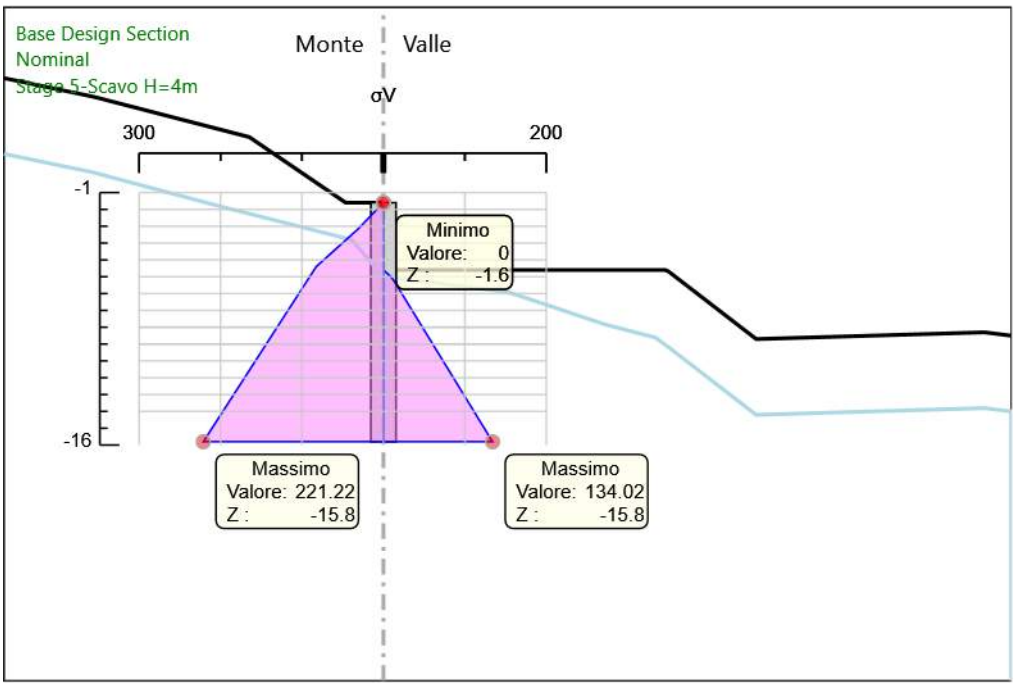
Design Assumption: Nominal
Stage: Stage 2- Prescavo
Sigma V



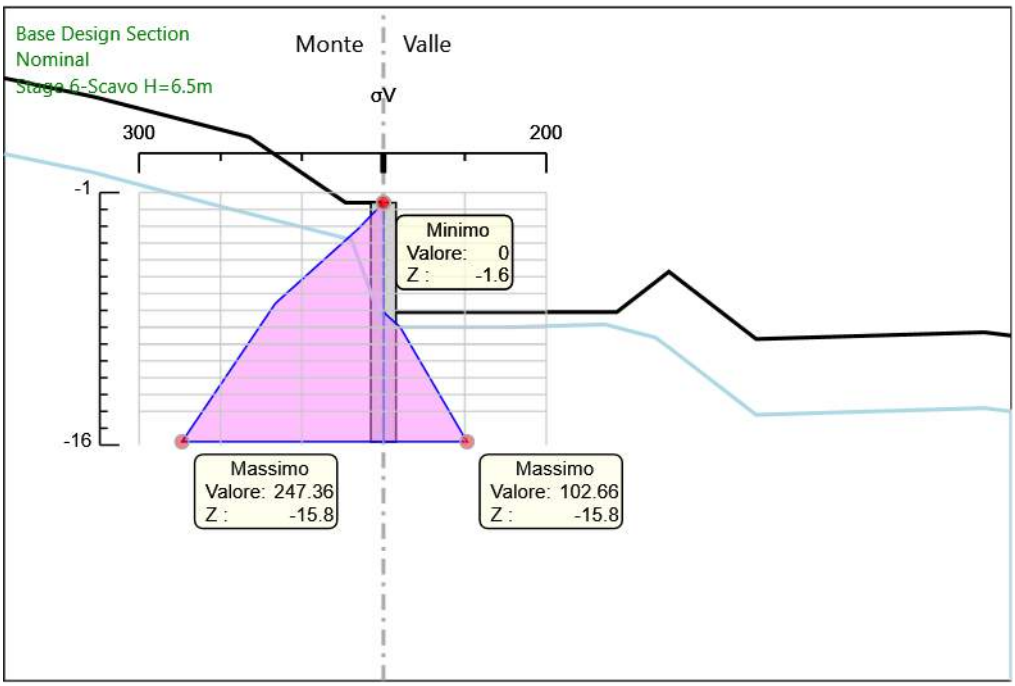
Design Assumption: Nominal
Stage: Stage 3-Paratia
Sigma V



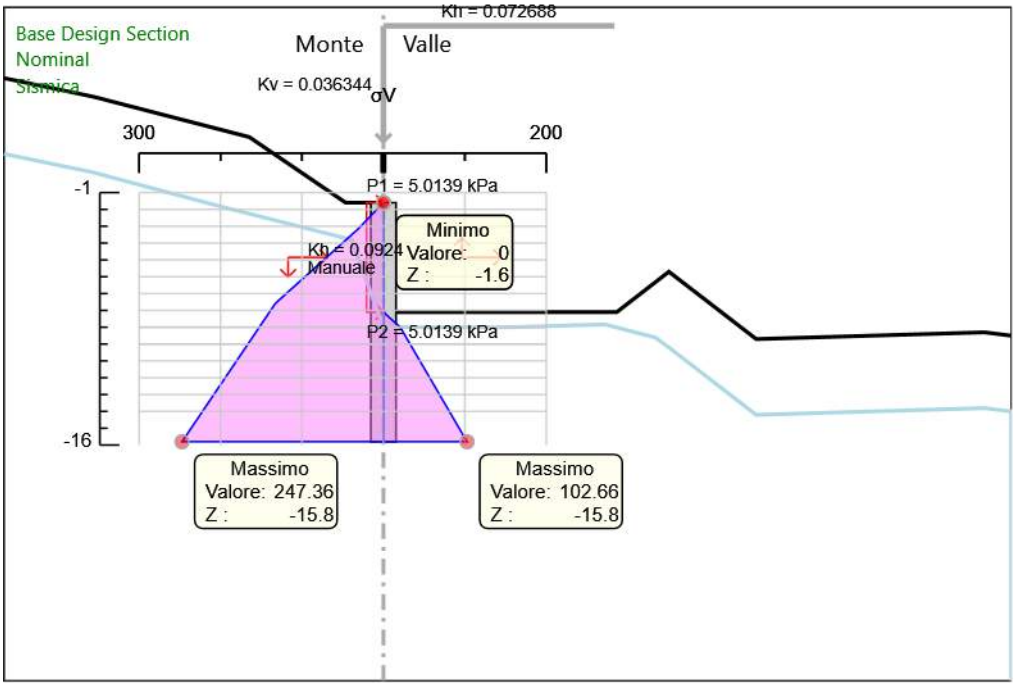
Design Assumption: Nominal
Stage: Stage 4-Scavo H=2m
Sigma V



Design Assumption: Nominal
Stage: Stage 5-Scavo H=4m
Sigma V

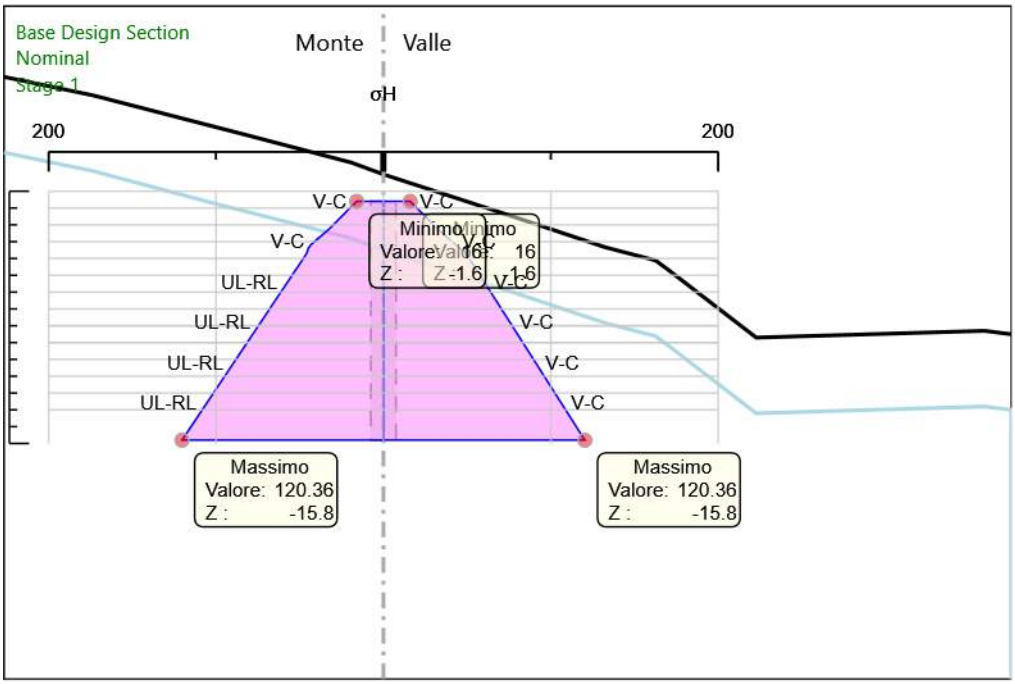


Design Assumption: Nominal
Stage: Stage 6-Scavo H=6.5m
Sigma V

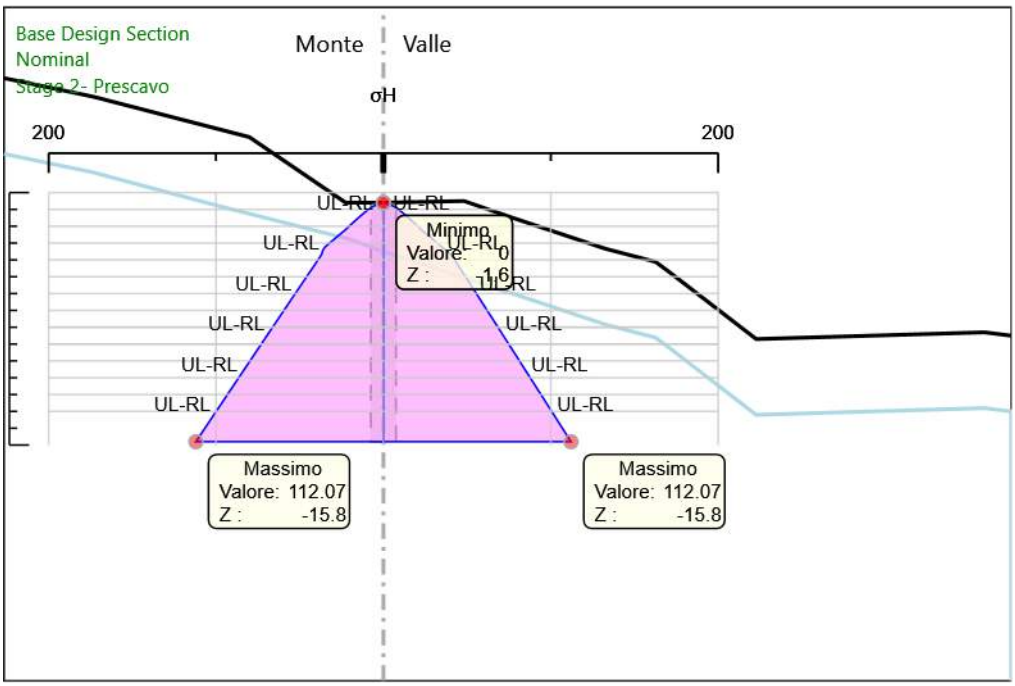


Design Assumption: Nominal
Stage: Sismica
Sigma V

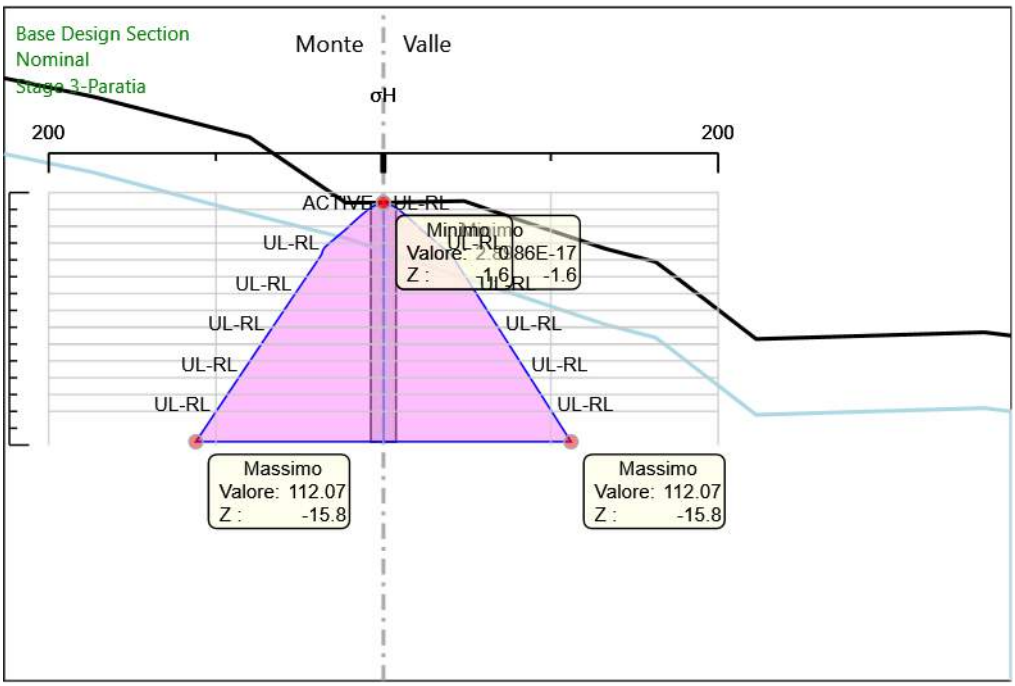
5.7. Grafico Risultati Terreno Sigma H



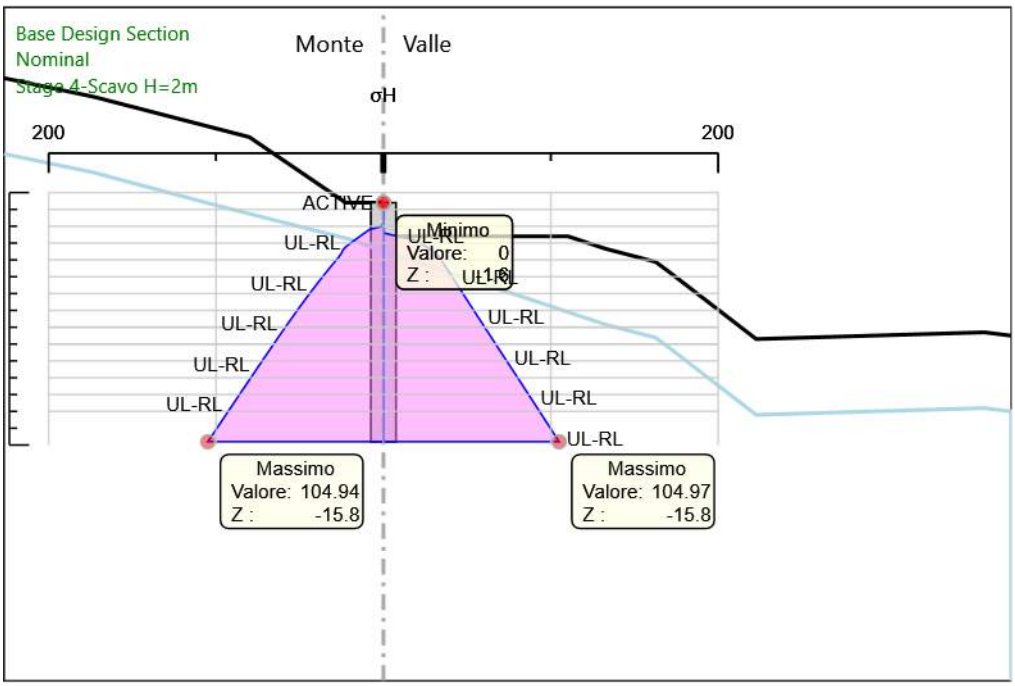
Design Assumption: Nominal
Stage: Stage 1
Sigma H



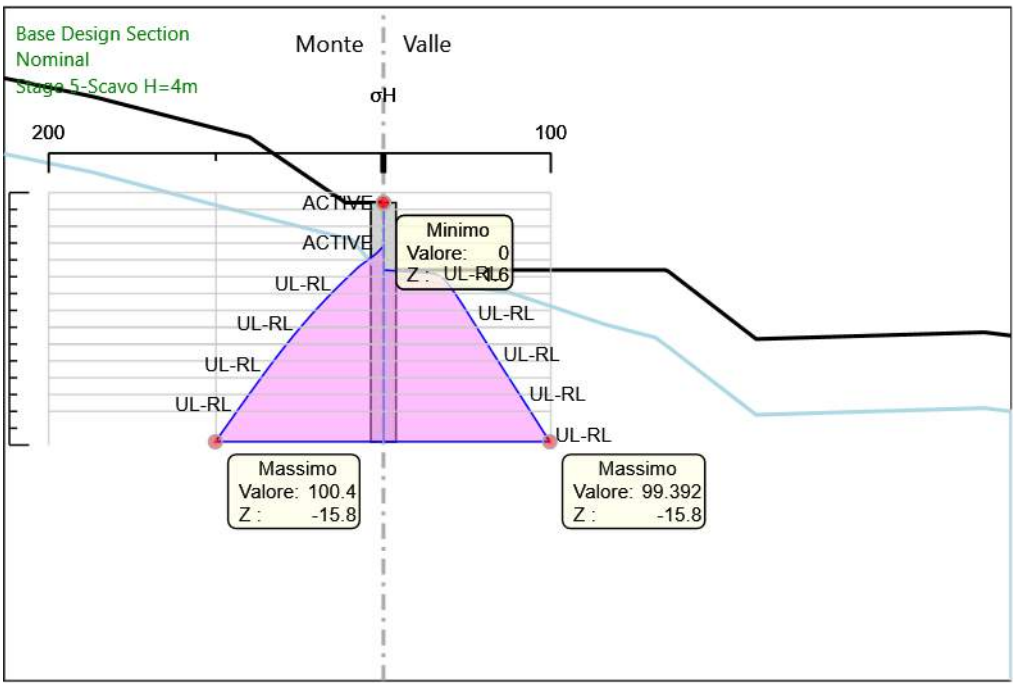
Design Assumption: Nominal
Stage: Stage 2- Prescavo
Sigma H



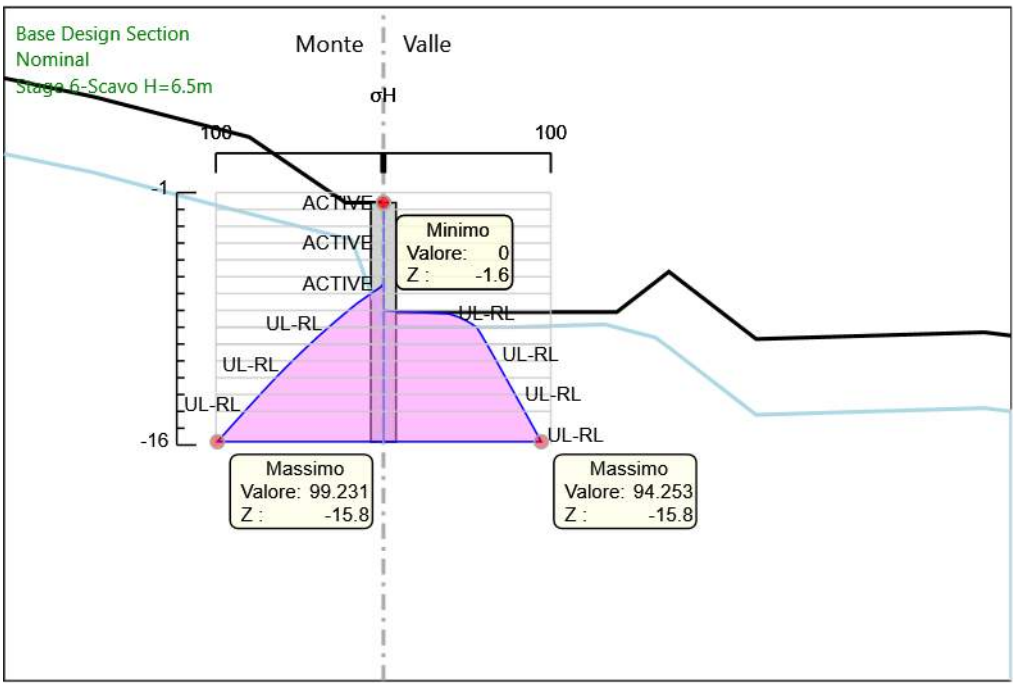
Design Assumption: Nominal
Stage: Stage 3-Paratia
Sigma H



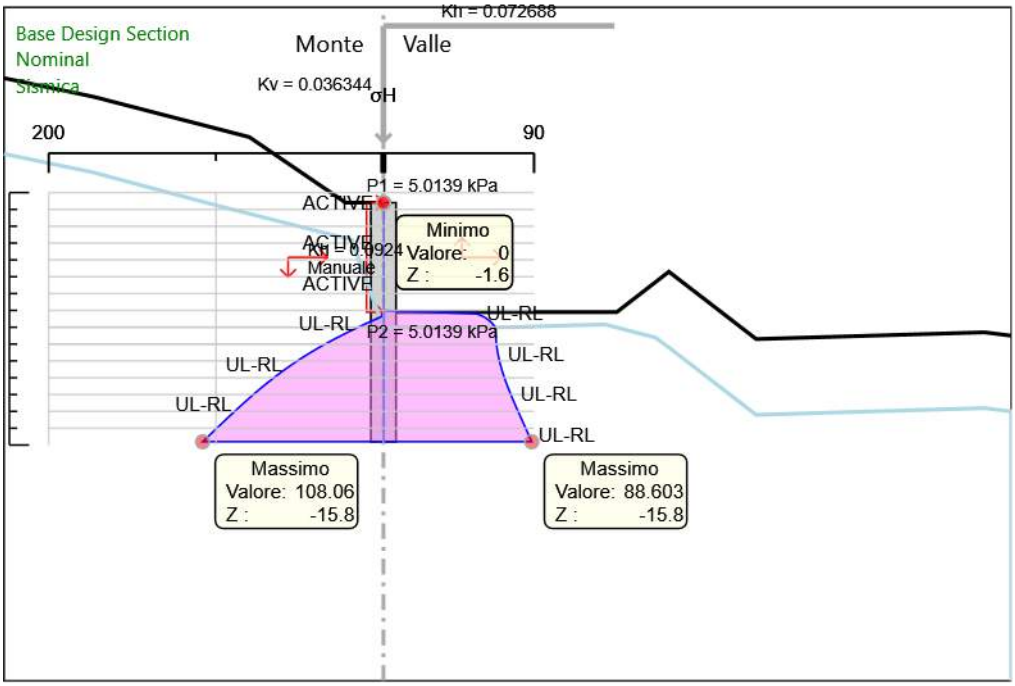
Design Assumption: Nominal
Stage: Stage 4-Scavo H=2m
Sigma H



Design Assumption: Nominal
Stage: Stage 5-Scavo H=4m
Sigma H

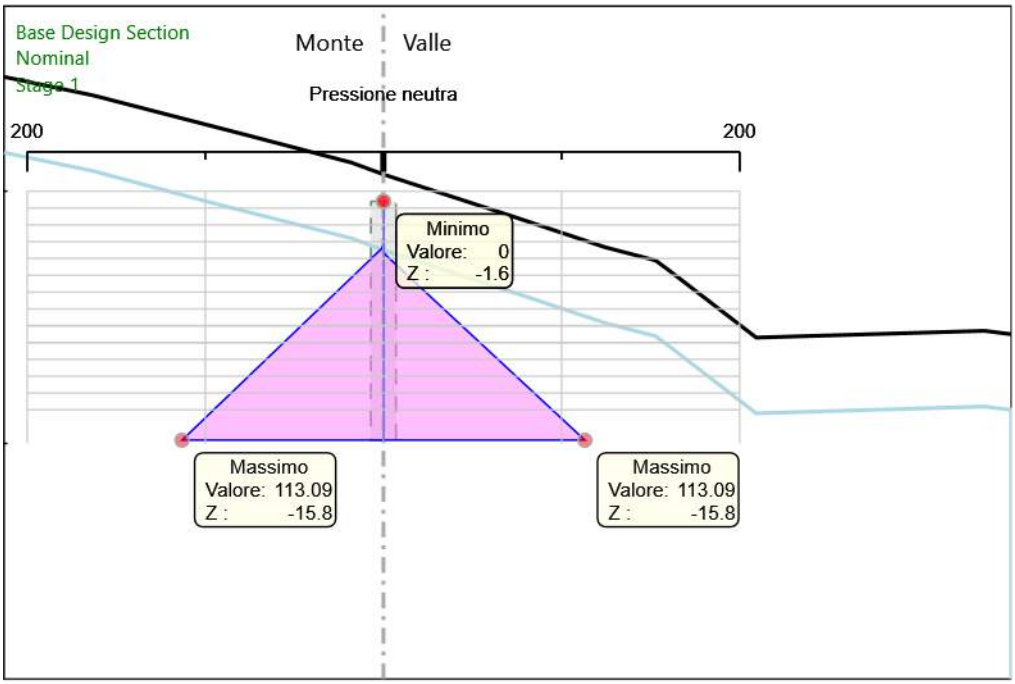


Design Assumption: Nominal
Stage: Stage 6-Scavo H=6.5m
Sigma H

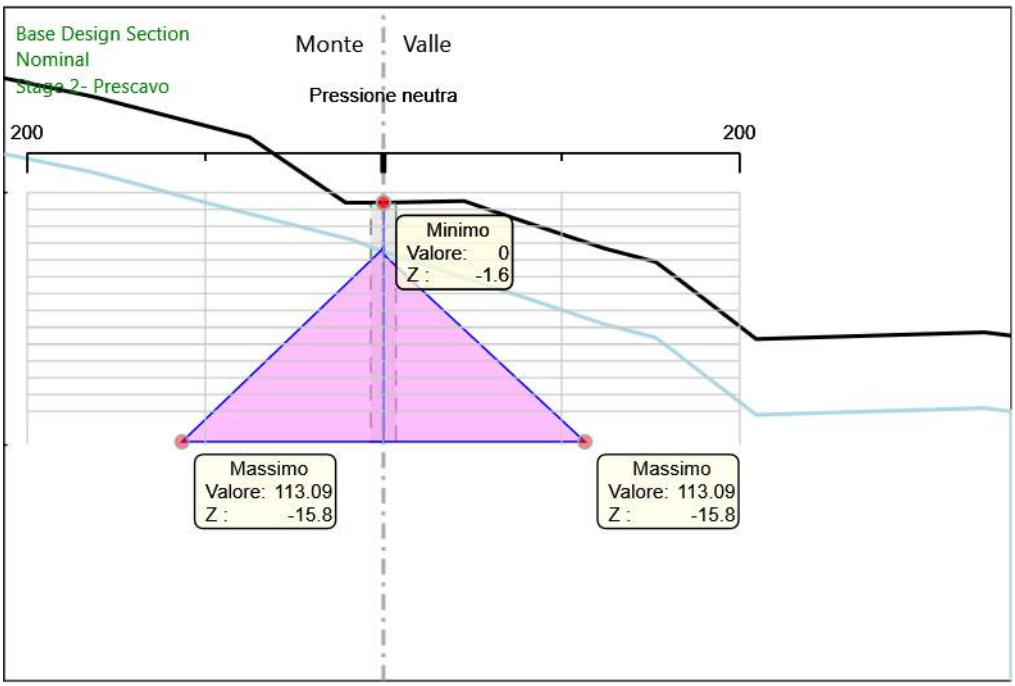


Design Assumption: Nominal
Stage: Sismica
Sigma H

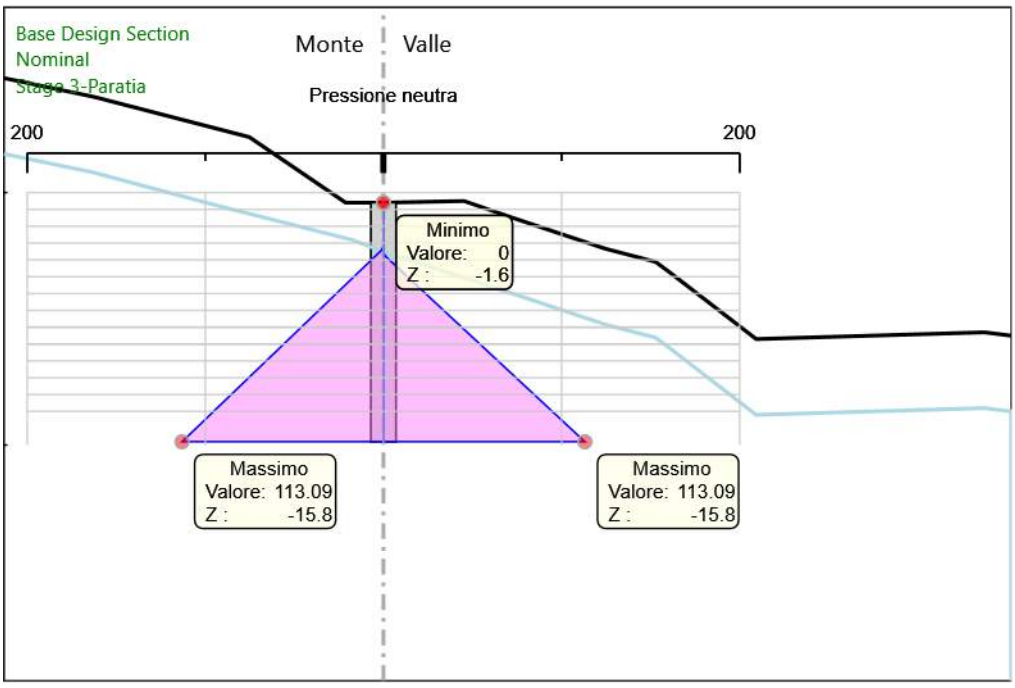
5.8. Grafico Risultati Terreno Pore



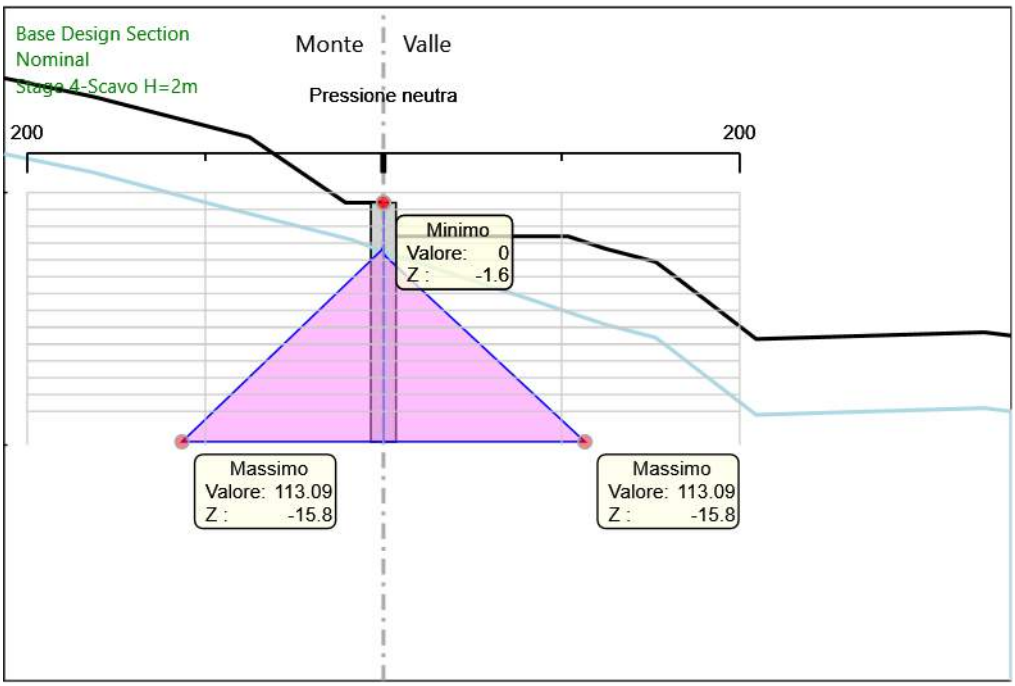
Design Assumption: Nominal
Stage: Stage 1
Pore



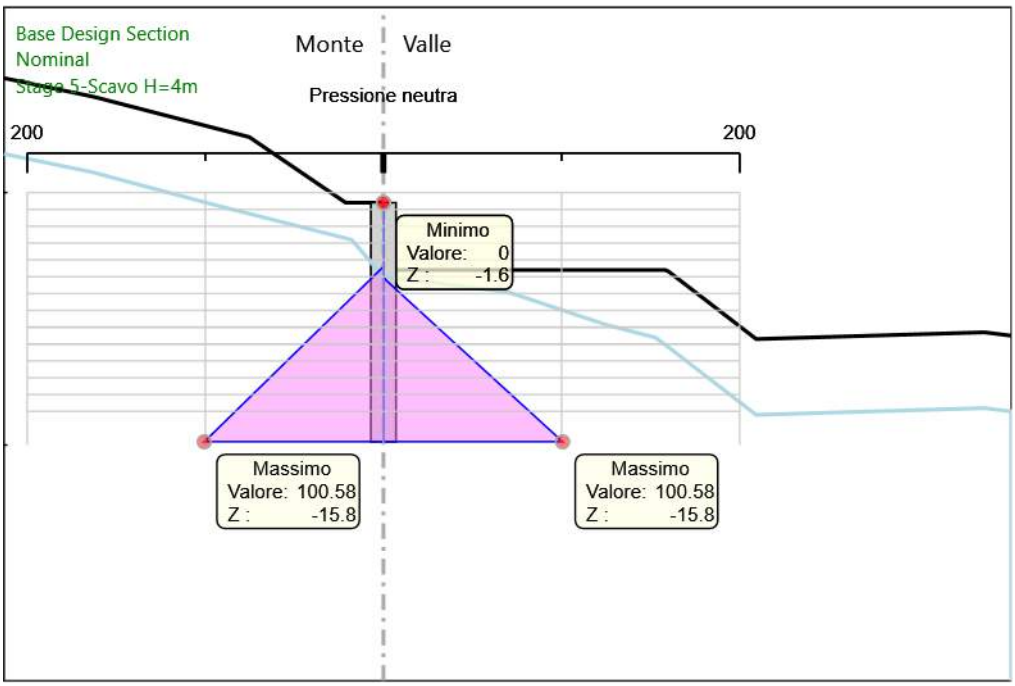
Design Assumption: Nominal
Stage: Stage 2- Prescavo
Pore



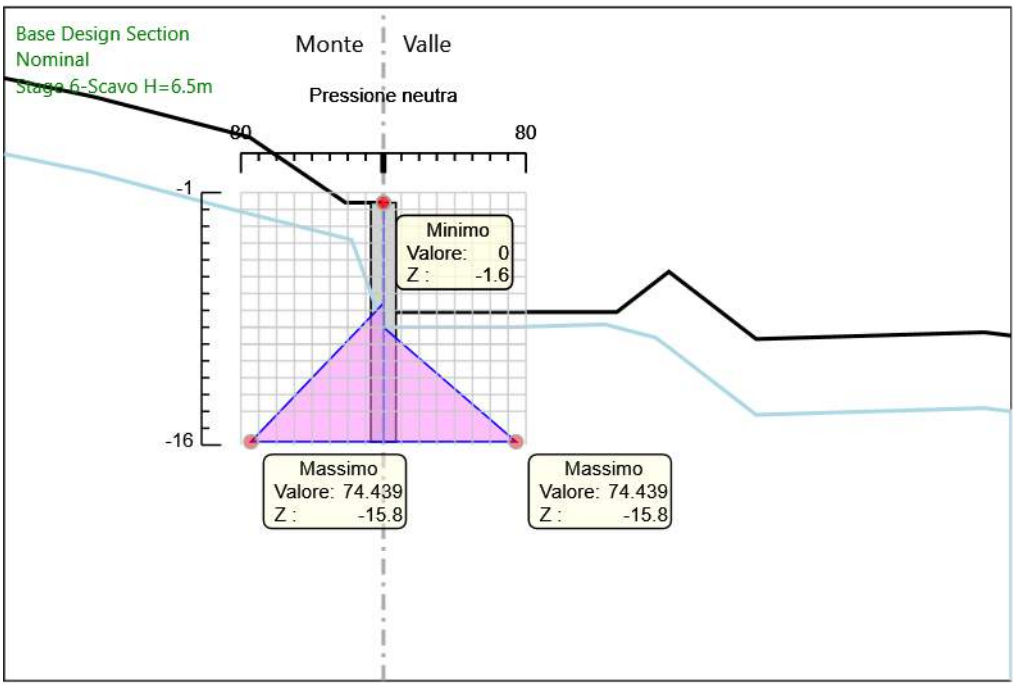
Design Assumption: Nominal
Stage: Stage 3-Paratia
Pore



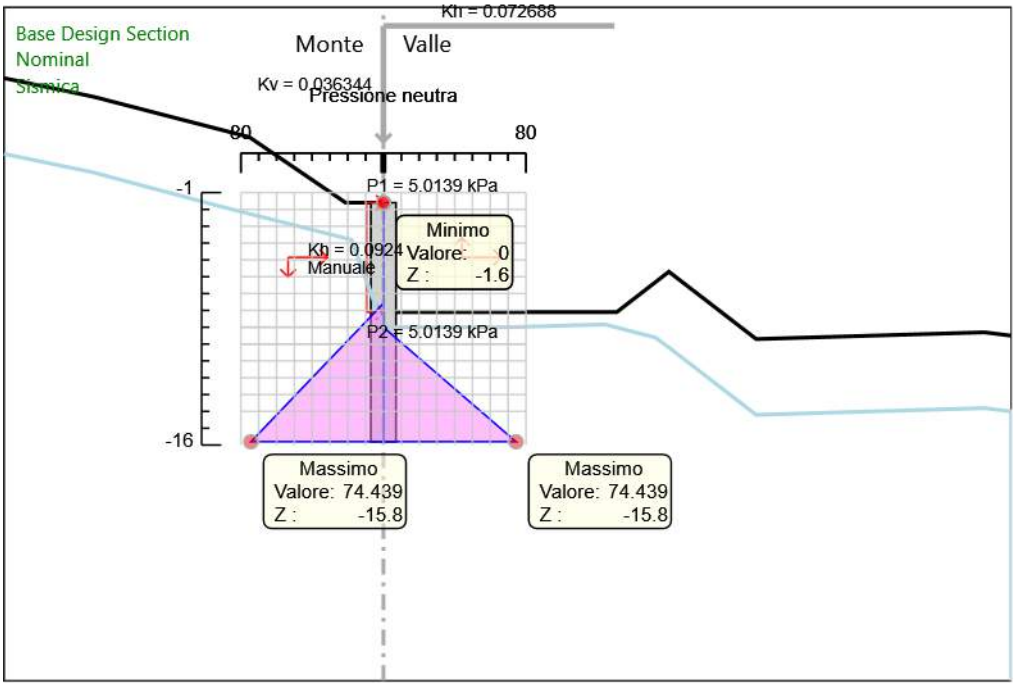
Design Assumption: Nominal
Stage: Stage 4-Scavo H=2m
Pore



Design Assumption: Nominal
Stage: Stage 5-Scavo H=4m
Pore

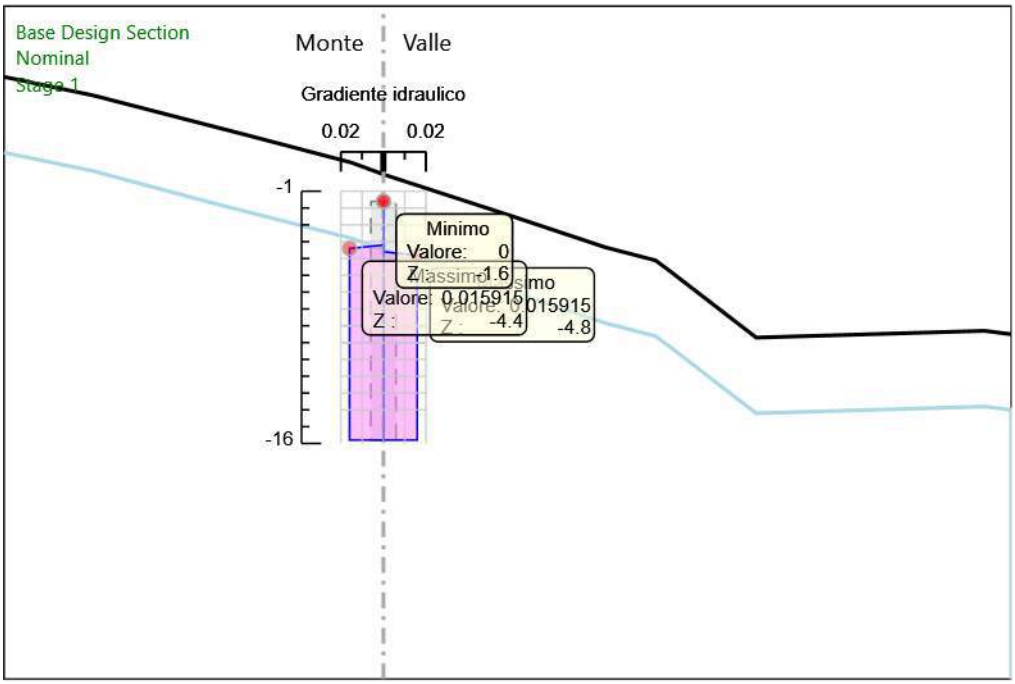


Design Assumption: Nominal
Stage: Stage 6-Scavo H=6.5m
Pore

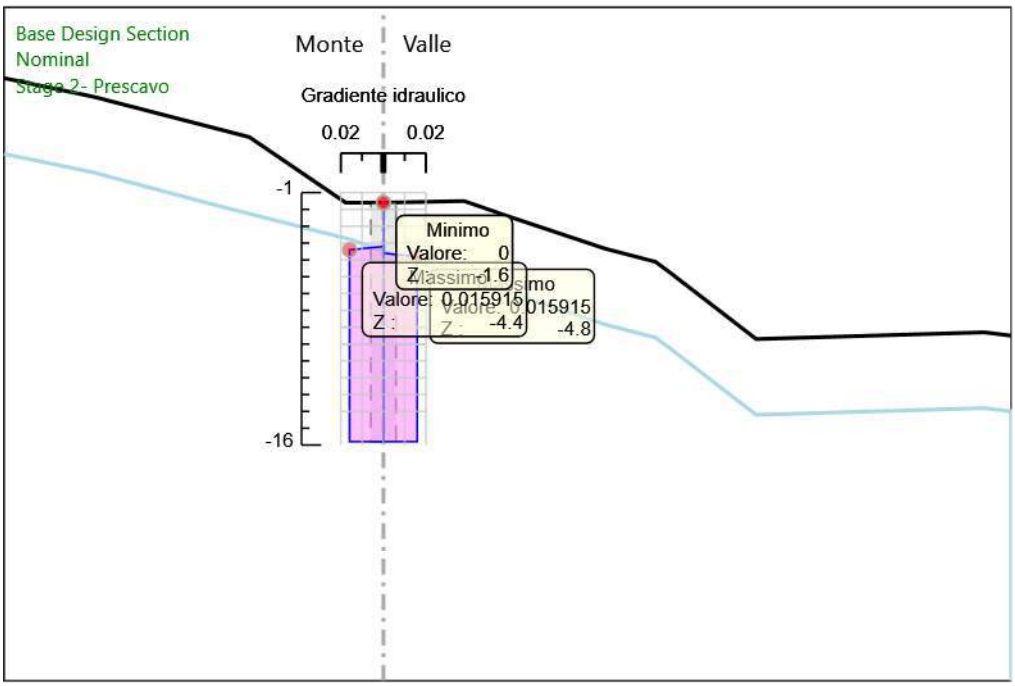


Design Assumption: Nominal
Stage: Sismica
Pore

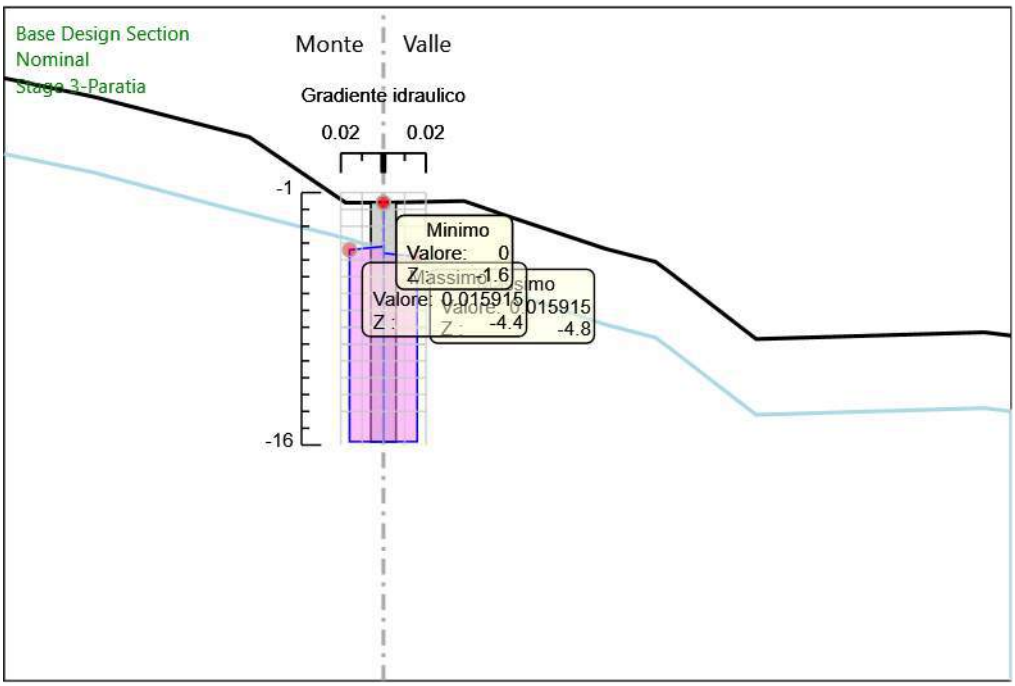
5.9. Grafico Risultati Terreno Gradiente



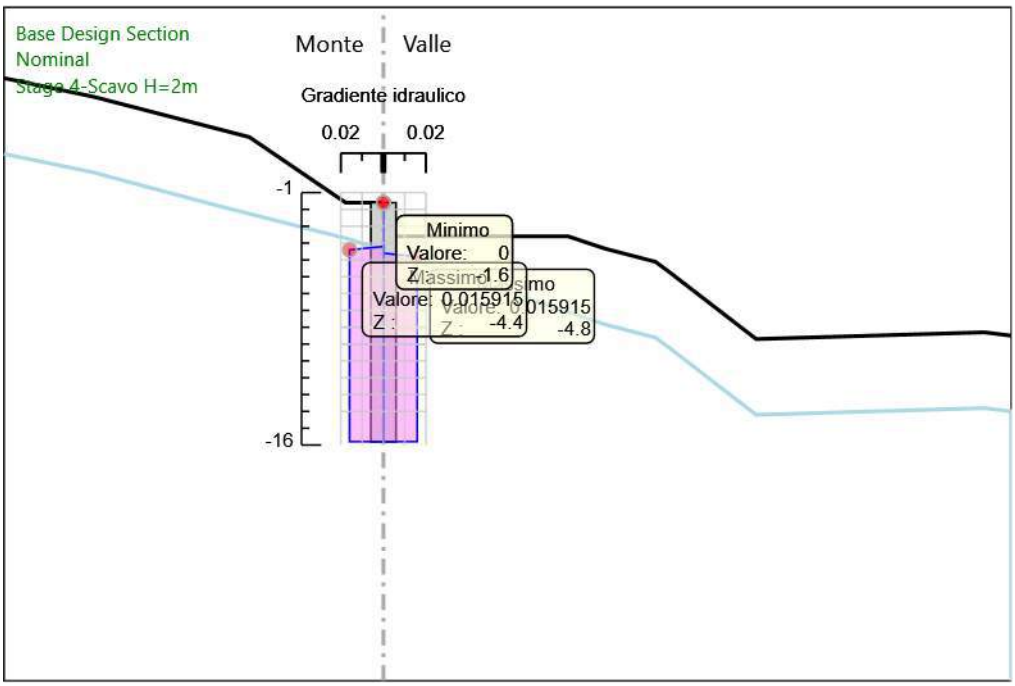
Design Assumption: Nominal
Stage: Stage 1
Gradiente



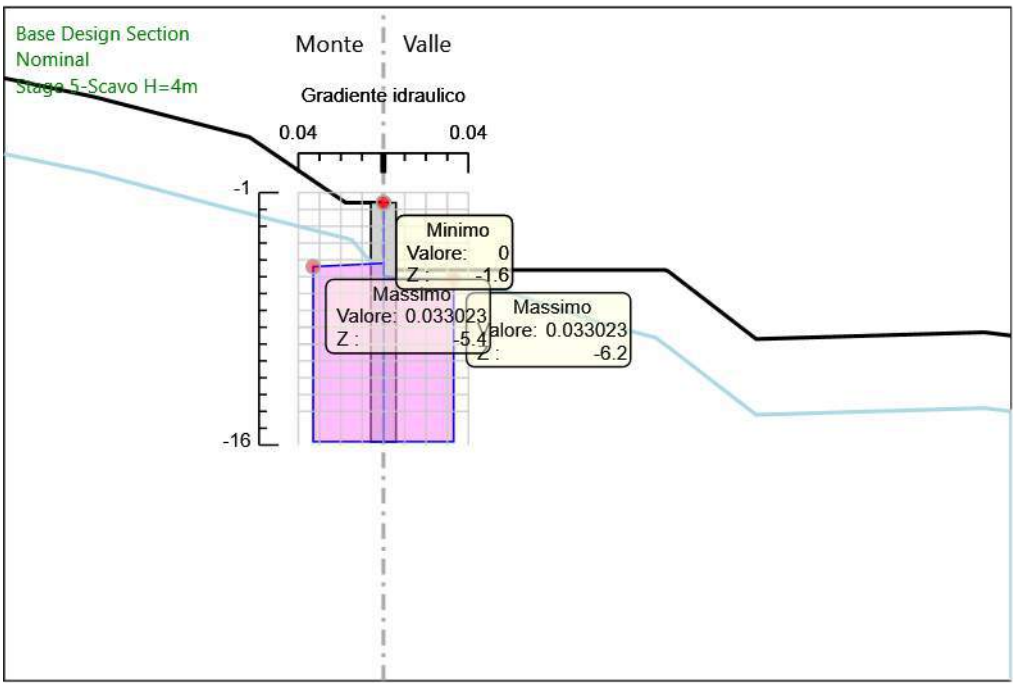
Design Assumption: Nominal
Stage: Stage 2- Prescavo
Gradiente



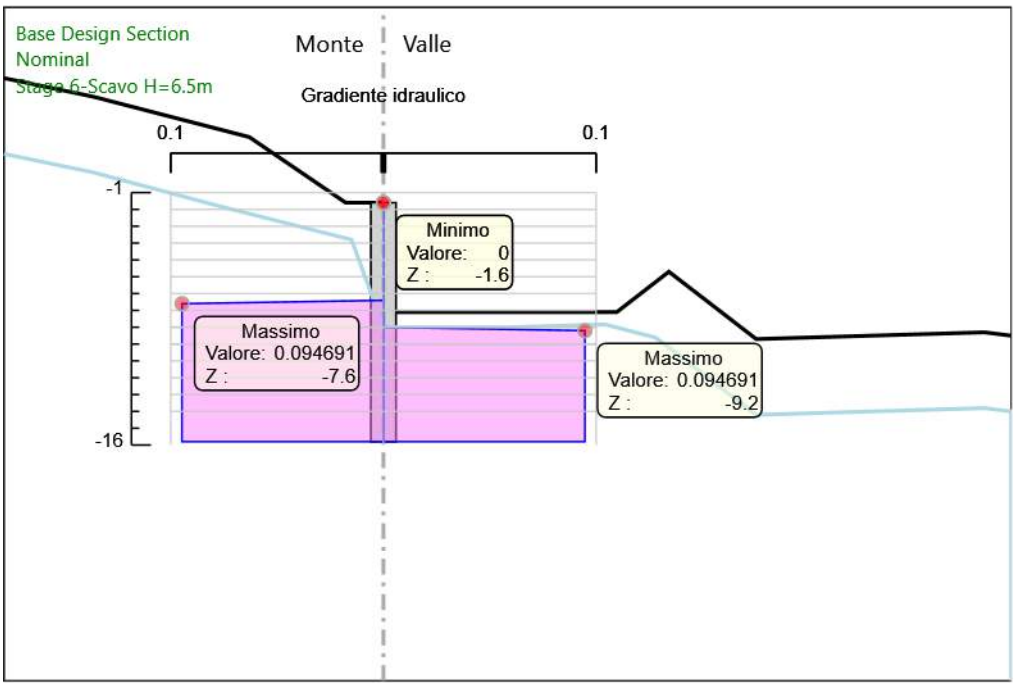
Design Assumption: Nominal
Stage: Stage 3-Paratia
Gradiente



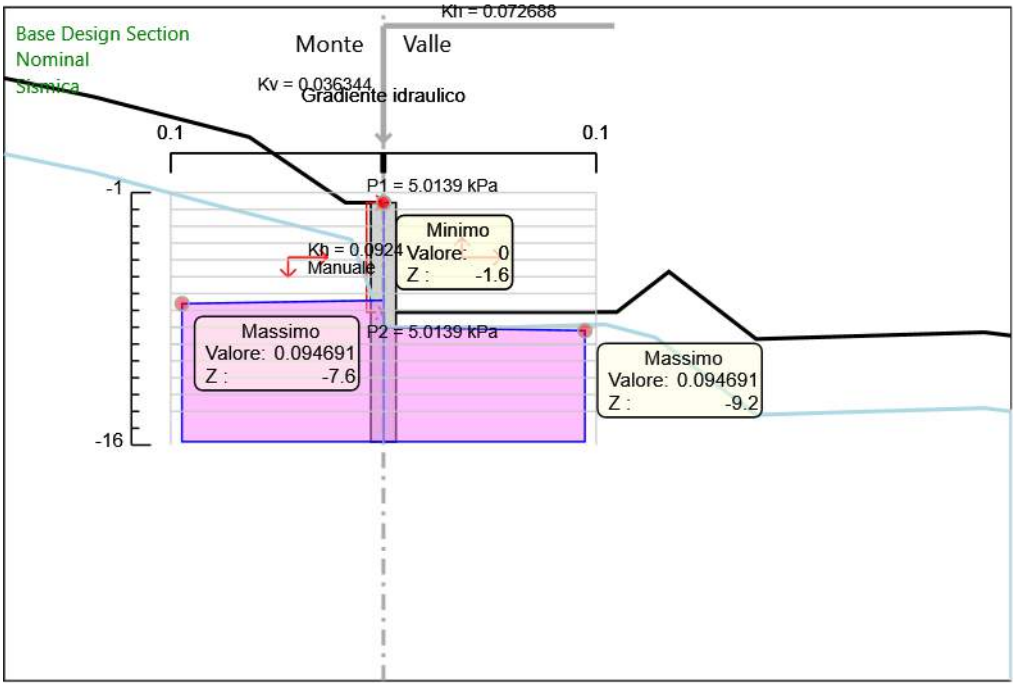
Design Assumption: Nominal
Stage: Stage 4-Scavo H=2m
Gradiente



Design Assumption: Nominal
Stage: Stage 5-Scavo H=4m
Gradiente

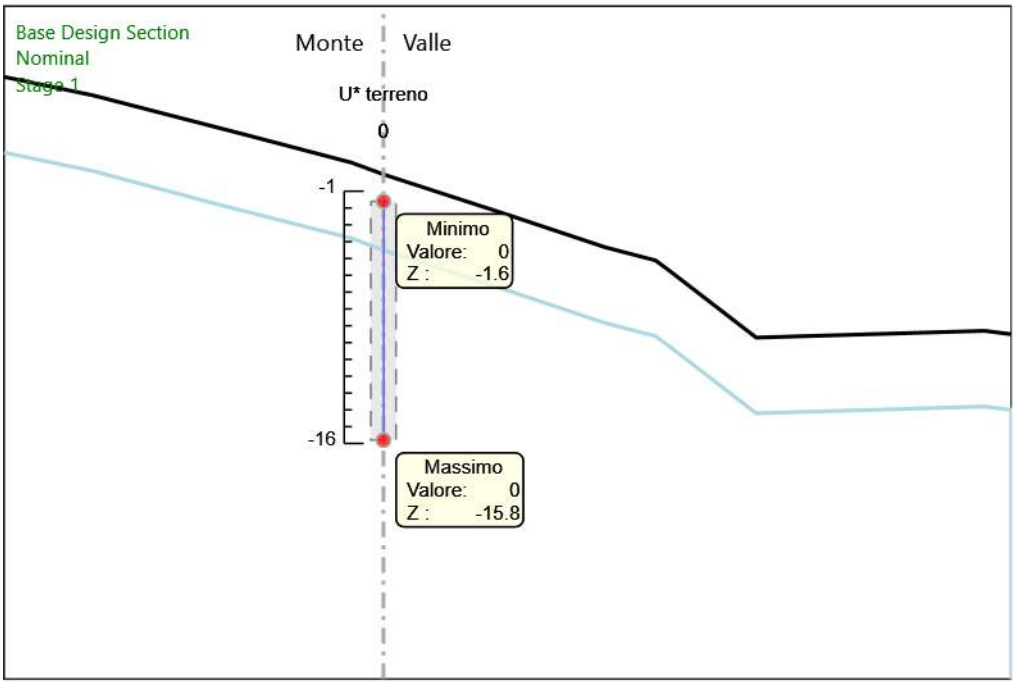


Design Assumption: Nominal
Stage: Stage 6-Scavo H=6.5m
Gradiente

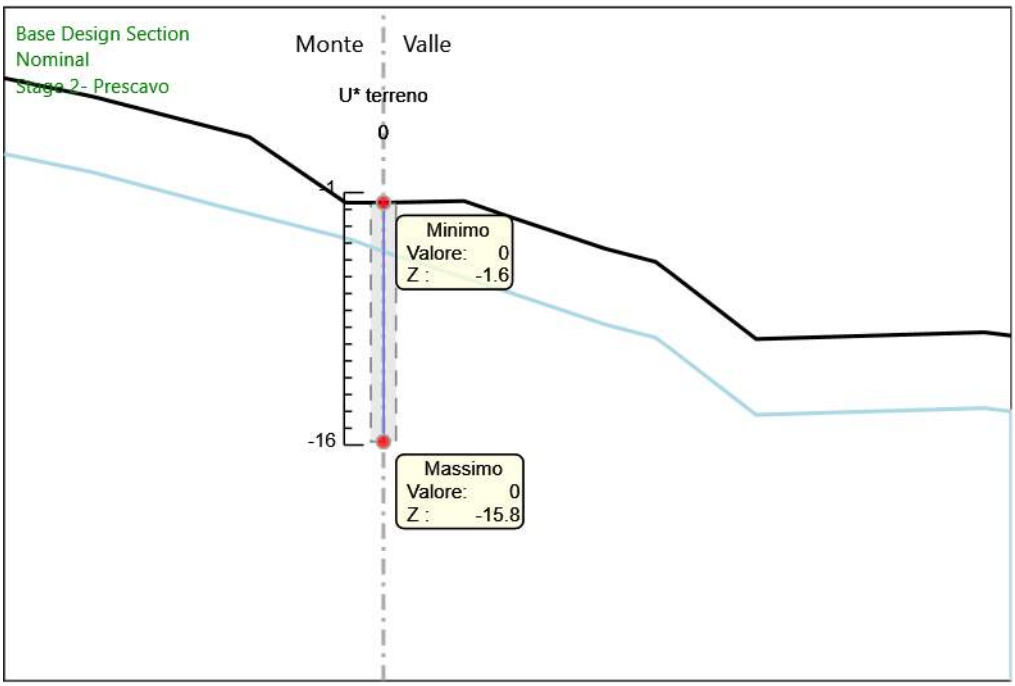


Design Assumption: Nominal
Stage: Sismica
Gradiente

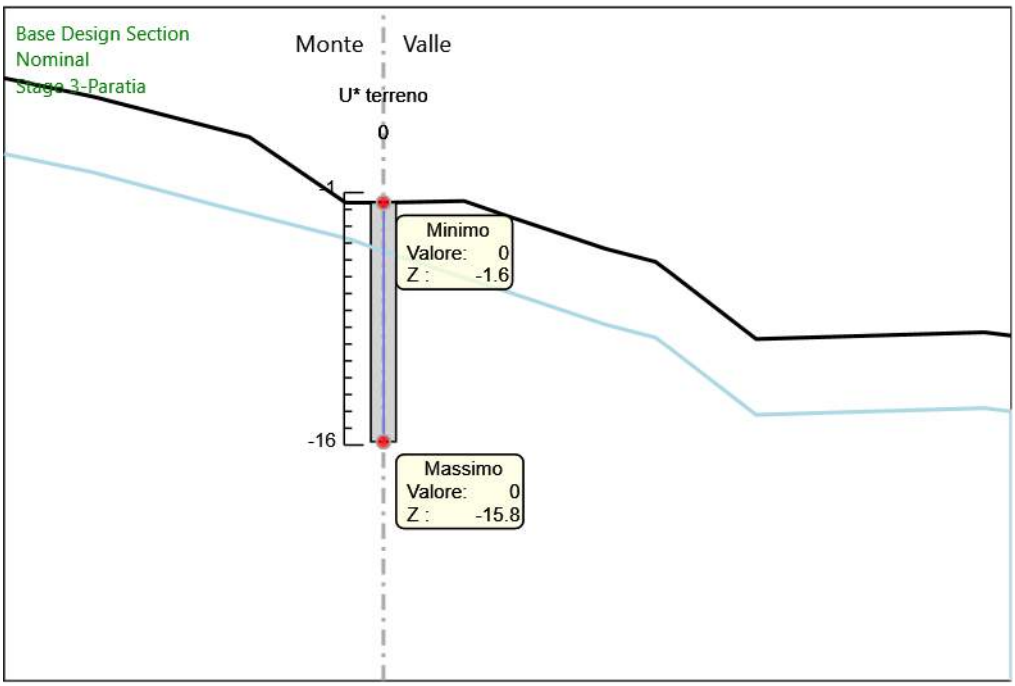
5.10. Grafico Risultati Terreno U*



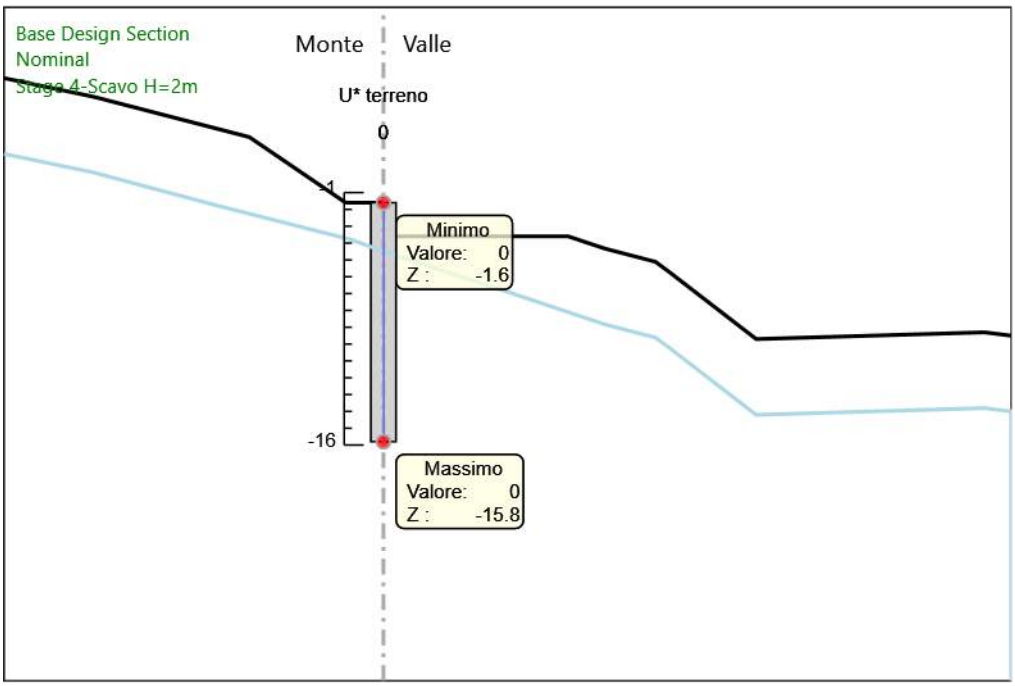
Design Assumption: Nominal
Stage: Stage 1
U*



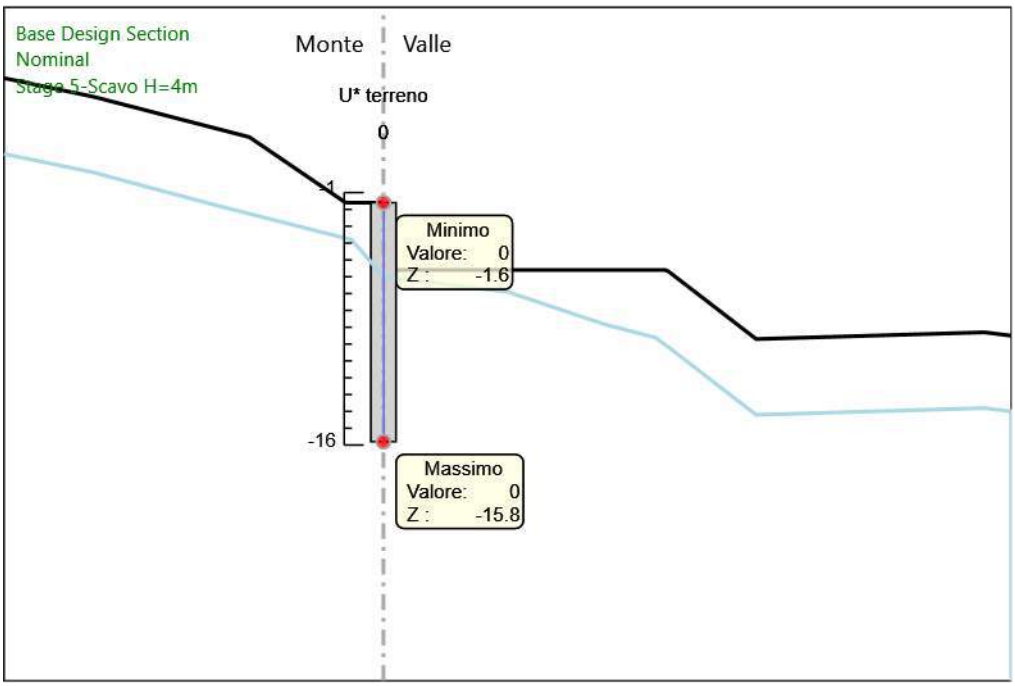
Design Assumption: Nominal
Stage: Stage 2- Prescavo
U*



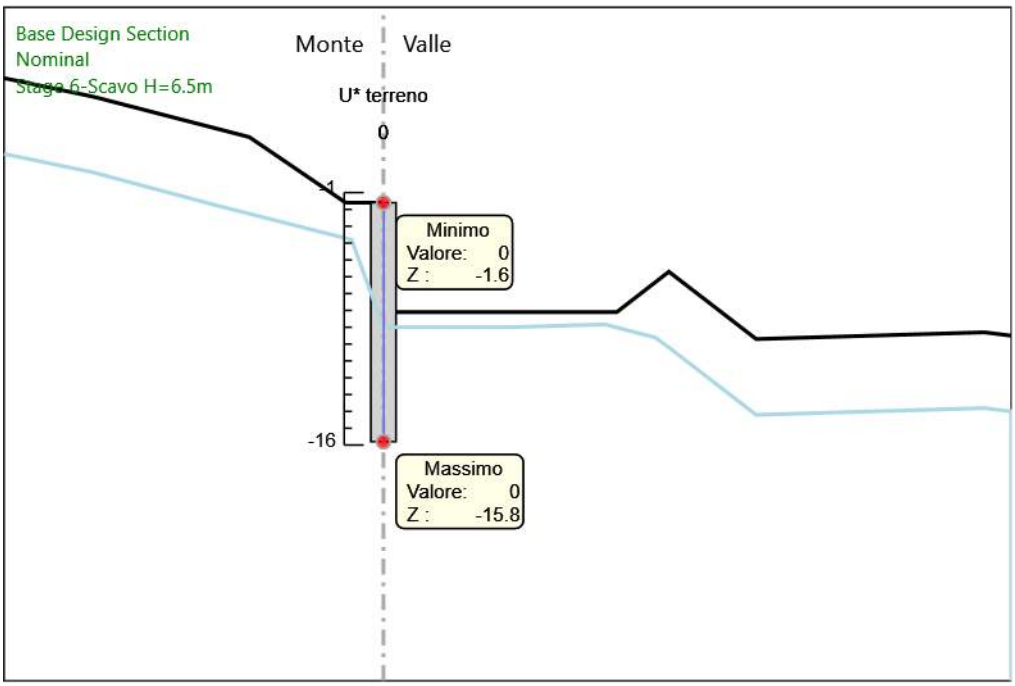
Design Assumption: Nominal
Stage: Stage 3-Paratia
U*



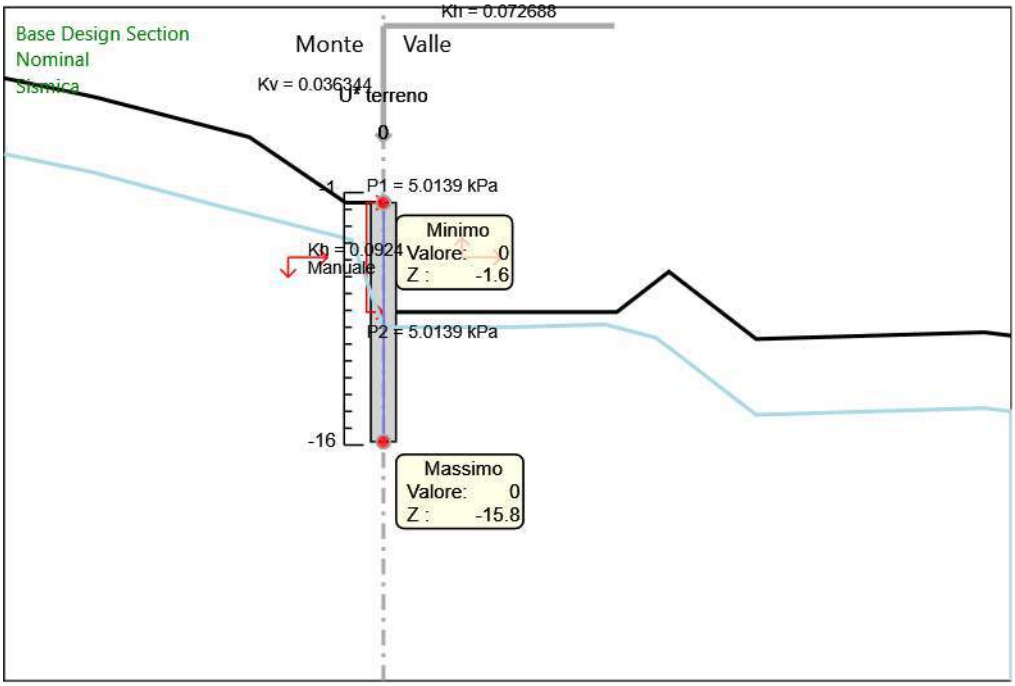
Design Assumption: Nominal
Stage: Stage 4-Scavo H=2m
U*



Design Assumption: Nominal
Stage: Stage 5-Scavo H=4m
U*



Design Assumption: Nominal
Stage: Stage 6-Scavo H=6.5m
U*



Design Assumption: Nominal
Stage: Sismica
U*

5.10. Riepilogo spinte

Design Assumption: Nominal	Tipo Risultato: Riepilogo spinte	Muro:	LEFT	Lato	LEFT		
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	1021.2	649.8	1671	25	16695.3	6.12%	40.85
Stage 2- Prescavo	896.7	649.8	1546.5	1	14710.6	6.1%	896.7
Stage 3-Paratia	896.7	649.8	1546.5	1	14710.6	6.1%	896.7
Stage 4-Scavo H=2m	769.2	649.8	1419	1	14710.6	5.23%	769.2
Stage 5-Scavo H=4m	641	523.1	1164.1	6.4	15545.5	4.12%	100.16
Stage 6-Scavo H=6.5m	501.6	306.1	807.6	31.1	16976	2.95%	16.13
Sismica	465.2	306.1	771.3	31.1	17332	2.68%	14.96

Design Assumption: Nominal	Tipo Risultato: Riepilogo spinte	Muro:	LEFT	Lato	RIGHT		
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	1041.5	629.5	1671	4.3	6921.5	15.05%	242.21
Stage 2- Prescavo	917	629.5	1546.5	0	8144.6	11.26%	∞
Stage 3-Paratia	917	629.5	1546.5	0	8144.6	11.26%	∞
Stage 4-Scavo H=2m	789.5	629.5	1419	0	7611.8	10.37%	∞
Stage 5-Scavo H=4m	674.4	489.7	1164.1	0	5924.2	11.38%	∞
Stage 6-Scavo H=6.5m	554.5	253.1	807.6	0	4024.1	13.78%	∞
Sismica	566.4	253.1	819.5	0	3650.4	15.52%	∞

6. 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
SISMICA STR	1	1	1	1	1	1	1	1	1	1	1	1	1
SISMICA GEO	1	1	1	1	1	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
SISMICA STR	1	1	1	1	1
SISMICA GEO	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
SISMICA STR	1	1.2	1.1	1
SISMICA GEO	1	1.2	1.1	1

6.1. Risultati SLE (Rara/Frequente/Quasi Permanente)

6.1.1. 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 orizzontale (mm)
Stage 1	-1.6	0
Stage 1	-1.8	0
Stage 1	-2	0
Stage 1	-2.2	0
Stage 1	-2.4	0
Stage 1	-2.6	0
Stage 1	-2.8	0
Stage 1	-3	0
Stage 1	-3.2	0
Stage 1	-3.4	0
Stage 1	-3.6	0
Stage 1	-3.8	0
Stage 1	-4	0
Stage 1	-4.2	0
Stage 1	-4.4	0
Stage 1	-4.6	0
Stage 1	-4.8	0
Stage 1	-5	0
Stage 1	-5.2	0
Stage 1	-5.4	0
Stage 1	-5.6	0
Stage 1	-5.8	0
Stage 1	-6	0
Stage 1	-6.2	0
Stage 1	-6.4	0
Stage 1	-6.6	0
Stage 1	-6.8	0
Stage 1	-7	0
Stage 1	-7.2	0
Stage 1	-7.4	0
Stage 1	-7.6	0
Stage 1	-7.8	0
Stage 1	-8	0
Stage 1	-8.2	0
Stage 1	-8.4	0
Stage 1	-8.6	0
Stage 1	-8.8	0
Stage 1	-9	0
Stage 1	-9.2	0
Stage 1	-9.4	0
Stage 1	-9.6	0
Stage 1	-9.8	0
Stage 1	-10	0
Stage 1	-10.2	0
Stage 1	-10.4	0
Stage 1	-10.6	0
Stage 1	-10.8	0
Stage 1	-11	0
Stage 1	-11.2	0
Stage 1	-11.4	0
Stage 1	-11.6	0
Stage 1	-11.8	0
Stage 1	-12	0
Stage 1	-12.2	0
Stage 1	-12.4	0
Stage 1	-12.6	0
Stage 1	-12.8	0
Stage 1	-13	0
Stage 1	-13.2	0
Stage 1	-13.4	0
Stage 1	-13.6	0
Stage 1	-13.8	0
Stage 1	-14	0
Stage 1	-14.2	0

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 1	-14.4	0
Stage 1	-14.6	0
Stage 1	-14.8	0
Stage 1	-15	0
Stage 1	-15.2	0
Stage 1	-15.4	0
Stage 1	-15.6	0
Stage 1	-15.8	0

6.1.2. 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	-1.6	0	0
Stage 1	-1.8	0	0
Stage 1	-2	0	0
Stage 1	-2.2	0	0
Stage 1	-2.4	0	0
Stage 1	-2.6	0	0
Stage 1	-2.8	0	0
Stage 1	-3	0	0
Stage 1	-3.2	0	0
Stage 1	-3.4	0	0
Stage 1	-3.6	0	0
Stage 1	-3.8	0	0
Stage 1	-4	0	0
Stage 1	-4.2	0	0
Stage 1	-4.4	0	0
Stage 1	-4.6	0	0
Stage 1	-4.8	0	0
Stage 1	-5	0	0
Stage 1	-5.2	0	0
Stage 1	-5.4	0	0
Stage 1	-5.6	0	0
Stage 1	-5.8	0	0
Stage 1	-6	0	0
Stage 1	-6.2	0	0
Stage 1	-6.4	0	0
Stage 1	-6.6	0	0
Stage 1	-6.8	0	0
Stage 1	-7	0	0
Stage 1	-7.2	0	0
Stage 1	-7.4	0	0
Stage 1	-7.6	0	0
Stage 1	-7.8	0	0
Stage 1	-8	0	0
Stage 1	-8.2	0	0
Stage 1	-8.4	0	0
Stage 1	-8.6	0	0
Stage 1	-8.8	0	0
Stage 1	-9	0	0
Stage 1	-9.2	0	0
Stage 1	-9.4	0	0
Stage 1	-9.6	0	0
Stage 1	-9.8	0	0
Stage 1	-10	0	0
Stage 1	-10.2	0	0
Stage 1	-10.4	0	0
Stage 1	-10.6	0	0
Stage 1	-10.8	0	0
Stage 1	-11	0	0
Stage 1	-11.2	0	0
Stage 1	-11.4	0	0
Stage 1	-11.6	0	0
Stage 1	-11.8	0	0
Stage 1	-12	0	0
Stage 1	-12.2	0	0
Stage 1	-12.4	0	0
Stage 1	-12.6	0	0
Stage 1	-12.8	0	0
Stage 1	-13	0	0
Stage 1	-13.2	0	0
Stage 1	-13.4	0	0
Stage 1	-13.6	0	0
Stage 1	-13.8	0	0
Stage 1	-14	0	0
Stage 1	-14.2	0	0
Stage 1	-14.4	0	0

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	-14.6	0	0
Stage 1	-14.8	0	0
Stage 1	-15	0	0
Stage 1	-15.2	0	0
Stage 1	-15.4	0	0
Stage 1	-15.6	0	0
Stage 1	-15.8	0	0

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

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 2- Prescavo	-1.6	0
Stage 2- Prescavo	-1.8	0
Stage 2- Prescavo	-2	0
Stage 2- Prescavo	-2.2	0
Stage 2- Prescavo	-2.4	0
Stage 2- Prescavo	-2.6	0
Stage 2- Prescavo	-2.8	0
Stage 2- Prescavo	-3	0
Stage 2- Prescavo	-3.2	0
Stage 2- Prescavo	-3.4	0
Stage 2- Prescavo	-3.6	0
Stage 2- Prescavo	-3.8	0
Stage 2- Prescavo	-4	0
Stage 2- Prescavo	-4.2	0
Stage 2- Prescavo	-4.4	0
Stage 2- Prescavo	-4.6	0
Stage 2- Prescavo	-4.8	0
Stage 2- Prescavo	-5	0
Stage 2- Prescavo	-5.2	0
Stage 2- Prescavo	-5.4	0
Stage 2- Prescavo	-5.6	0
Stage 2- Prescavo	-5.8	0
Stage 2- Prescavo	-6	0
Stage 2- Prescavo	-6.2	0
Stage 2- Prescavo	-6.4	0
Stage 2- Prescavo	-6.6	0
Stage 2- Prescavo	-6.8	0
Stage 2- Prescavo	-7	0
Stage 2- Prescavo	-7.2	0
Stage 2- Prescavo	-7.4	0
Stage 2- Prescavo	-7.6	0
Stage 2- Prescavo	-7.8	0
Stage 2- Prescavo	-8	0
Stage 2- Prescavo	-8.2	0
Stage 2- Prescavo	-8.4	0
Stage 2- Prescavo	-8.6	0
Stage 2- Prescavo	-8.8	0
Stage 2- Prescavo	-9	0
Stage 2- Prescavo	-9.2	0
Stage 2- Prescavo	-9.4	0
Stage 2- Prescavo	-9.6	0
Stage 2- Prescavo	-9.8	0
Stage 2- Prescavo	-10	0
Stage 2- Prescavo	-10.2	0
Stage 2- Prescavo	-10.4	0
Stage 2- Prescavo	-10.6	0
Stage 2- Prescavo	-10.8	0
Stage 2- Prescavo	-11	0
Stage 2- Prescavo	-11.2	0
Stage 2- Prescavo	-11.4	0
Stage 2- Prescavo	-11.6	0
Stage 2- Prescavo	-11.8	0
Stage 2- Prescavo	-12	0
Stage 2- Prescavo	-12.2	0
Stage 2- Prescavo	-12.4	0
Stage 2- Prescavo	-12.6	0
Stage 2- Prescavo	-12.8	0
Stage 2- Prescavo	-13	0
Stage 2- Prescavo	-13.2	0
Stage 2- Prescavo	-13.4	0
Stage 2- Prescavo	-13.6	0
Stage 2- Prescavo	-13.8	0
Stage 2- Prescavo	-14	0
Stage 2- Prescavo	-14.2	0
Stage 2- Prescavo	-14.4	0

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 2- Prescavo	-14.6	0
Stage 2- Prescavo	-14.8	0
Stage 2- Prescavo	-15	0
Stage 2- Prescavo	-15.2	0
Stage 2- Prescavo	-15.4	0
Stage 2- Prescavo	-15.6	0
Stage 2- Prescavo	-15.8	0

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

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2- Prescavo	-1.6	0	0
Stage 2- Prescavo	-1.8	0	0
Stage 2- Prescavo	-2	0	0
Stage 2- Prescavo	-2.2	0	0
Stage 2- Prescavo	-2.4	0	0
Stage 2- Prescavo	-2.6	0	0
Stage 2- Prescavo	-2.8	0	0
Stage 2- Prescavo	-3	0	0
Stage 2- Prescavo	-3.2	0	0
Stage 2- Prescavo	-3.4	0	0
Stage 2- Prescavo	-3.6	0	0
Stage 2- Prescavo	-3.8	0	0
Stage 2- Prescavo	-4	0	0
Stage 2- Prescavo	-4.2	0	0
Stage 2- Prescavo	-4.4	0	0
Stage 2- Prescavo	-4.6	0	0
Stage 2- Prescavo	-4.8	0	0
Stage 2- Prescavo	-5	0	0
Stage 2- Prescavo	-5.2	0	0
Stage 2- Prescavo	-5.4	0	0
Stage 2- Prescavo	-5.6	0	0
Stage 2- Prescavo	-5.8	0	0
Stage 2- Prescavo	-6	0	0
Stage 2- Prescavo	-6.2	0	0
Stage 2- Prescavo	-6.4	0	0
Stage 2- Prescavo	-6.6	0	0
Stage 2- Prescavo	-6.8	0	0
Stage 2- Prescavo	-7	0	0
Stage 2- Prescavo	-7.2	0	0
Stage 2- Prescavo	-7.4	0	0
Stage 2- Prescavo	-7.6	0	0
Stage 2- Prescavo	-7.8	0	0
Stage 2- Prescavo	-8	0	0
Stage 2- Prescavo	-8.2	0	0
Stage 2- Prescavo	-8.4	0	0
Stage 2- Prescavo	-8.6	0	0
Stage 2- Prescavo	-8.8	0	0
Stage 2- Prescavo	-9	0	0
Stage 2- Prescavo	-9.2	0	0
Stage 2- Prescavo	-9.4	0	0
Stage 2- Prescavo	-9.6	0	0
Stage 2- Prescavo	-9.8	0	0
Stage 2- Prescavo	-10	0	0
Stage 2- Prescavo	-10.2	0	0
Stage 2- Prescavo	-10.4	0	0
Stage 2- Prescavo	-10.6	0	0
Stage 2- Prescavo	-10.8	0	0
Stage 2- Prescavo	-11	0	0
Stage 2- Prescavo	-11.2	0	0
Stage 2- Prescavo	-11.4	0	0
Stage 2- Prescavo	-11.6	0	0
Stage 2- Prescavo	-11.8	0	0
Stage 2- Prescavo	-12	0	0
Stage 2- Prescavo	-12.2	0	0
Stage 2- Prescavo	-12.4	0	0
Stage 2- Prescavo	-12.6	0	0
Stage 2- Prescavo	-12.8	0	0
Stage 2- Prescavo	-13	0	0
Stage 2- Prescavo	-13.2	0	0
Stage 2- Prescavo	-13.4	0	0
Stage 2- Prescavo	-13.6	0	0
Stage 2- Prescavo	-13.8	0	0
Stage 2- Prescavo	-14	0	0
Stage 2- Prescavo	-14.2	0	0
Stage 2- Prescavo	-14.4	0	0

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2- Prescavo	-14.6	0	0
Stage 2- Prescavo	-14.8	0	0
Stage 2- Prescavo	-15	0	0
Stage 2- Prescavo	-15.2	0	0
Stage 2- Prescavo	-15.4	0	0
Stage 2- Prescavo	-15.6	0	0
Stage 2- Prescavo	-15.8	0	0

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

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 3-Paratia	-1.6	0
Stage 3-Paratia	-1.8	0
Stage 3-Paratia	-2	0
Stage 3-Paratia	-2.2	0
Stage 3-Paratia	-2.4	0
Stage 3-Paratia	-2.6	0
Stage 3-Paratia	-2.8	0
Stage 3-Paratia	-3	0
Stage 3-Paratia	-3.2	0
Stage 3-Paratia	-3.4	0
Stage 3-Paratia	-3.6	0
Stage 3-Paratia	-3.8	0
Stage 3-Paratia	-4	0
Stage 3-Paratia	-4.2	0
Stage 3-Paratia	-4.4	0
Stage 3-Paratia	-4.6	0
Stage 3-Paratia	-4.8	0
Stage 3-Paratia	-5	0
Stage 3-Paratia	-5.2	0
Stage 3-Paratia	-5.4	0
Stage 3-Paratia	-5.6	0
Stage 3-Paratia	-5.8	0
Stage 3-Paratia	-6	0
Stage 3-Paratia	-6.2	0
Stage 3-Paratia	-6.4	0
Stage 3-Paratia	-6.6	0
Stage 3-Paratia	-6.8	0
Stage 3-Paratia	-7	0
Stage 3-Paratia	-7.2	0
Stage 3-Paratia	-7.4	0
Stage 3-Paratia	-7.6	0
Stage 3-Paratia	-7.8	0
Stage 3-Paratia	-8	0
Stage 3-Paratia	-8.2	0
Stage 3-Paratia	-8.4	0
Stage 3-Paratia	-8.6	0
Stage 3-Paratia	-8.8	0
Stage 3-Paratia	-9	0
Stage 3-Paratia	-9.2	0
Stage 3-Paratia	-9.4	0
Stage 3-Paratia	-9.6	0
Stage 3-Paratia	-9.8	0
Stage 3-Paratia	-10	0
Stage 3-Paratia	-10.2	0
Stage 3-Paratia	-10.4	0
Stage 3-Paratia	-10.6	0
Stage 3-Paratia	-10.8	0
Stage 3-Paratia	-11	0
Stage 3-Paratia	-11.2	0
Stage 3-Paratia	-11.4	0
Stage 3-Paratia	-11.6	0
Stage 3-Paratia	-11.8	0
Stage 3-Paratia	-12	0
Stage 3-Paratia	-12.2	0
Stage 3-Paratia	-12.4	0
Stage 3-Paratia	-12.6	0
Stage 3-Paratia	-12.8	0
Stage 3-Paratia	-13	0
Stage 3-Paratia	-13.2	0
Stage 3-Paratia	-13.4	0
Stage 3-Paratia	-13.6	0
Stage 3-Paratia	-13.8	0
Stage 3-Paratia	-14	0
Stage 3-Paratia	-14.2	0
Stage 3-Paratia	-14.4	0

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 3-Paratia	-14.6	0
Stage 3-Paratia	-14.8	0
Stage 3-Paratia	-15	0
Stage 3-Paratia	-15.2	0
Stage 3-Paratia	-15.4	0
Stage 3-Paratia	-15.6	0
Stage 3-Paratia	-15.8	0

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

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-1.6	0	0
Stage 3-Paratia	-1.8	0	0
Stage 3-Paratia	-2	0	0
Stage 3-Paratia	-2.2	0	0
Stage 3-Paratia	-2.4	0	0
Stage 3-Paratia	-2.6	0	0
Stage 3-Paratia	-2.8	0	0
Stage 3-Paratia	-3	0	0
Stage 3-Paratia	-3.2	0	0
Stage 3-Paratia	-3.4	0	0
Stage 3-Paratia	-3.6	0	0
Stage 3-Paratia	-3.8	0	0
Stage 3-Paratia	-4	0	0
Stage 3-Paratia	-4.2	0	0
Stage 3-Paratia	-4.2	0	0
Stage 3-Paratia	-4.4	0	0
Stage 3-Paratia	-4.4	0	0
Stage 3-Paratia	-4.6	0	0
Stage 3-Paratia	-4.6	0	0
Stage 3-Paratia	-4.8	0	0
Stage 3-Paratia	-4.8	0	0
Stage 3-Paratia	-5	0	0
Stage 3-Paratia	-5	0	0
Stage 3-Paratia	-5.2	0	0
Stage 3-Paratia	-5.2	0	0
Stage 3-Paratia	-5.4	0	0
Stage 3-Paratia	-5.4	0	0
Stage 3-Paratia	-5.6	0	0
Stage 3-Paratia	-5.6	0	0
Stage 3-Paratia	-5.8	0	0
Stage 3-Paratia	-5.8	0	0
Stage 3-Paratia	-6	0	0
Stage 3-Paratia	-6	0	0
Stage 3-Paratia	-6.2	0	0
Stage 3-Paratia	-6.2	0	0
Stage 3-Paratia	-6.4	0	0
Stage 3-Paratia	-6.4	0	0
Stage 3-Paratia	-6.6	0	0
Stage 3-Paratia	-6.6	0	0
Stage 3-Paratia	-6.8	0	0
Stage 3-Paratia	-6.8	0	0
Stage 3-Paratia	-7	0	0
Stage 3-Paratia	-7	0	0
Stage 3-Paratia	-7.2	0	0
Stage 3-Paratia	-7.2	0	0
Stage 3-Paratia	-7.4	0	0
Stage 3-Paratia	-7.4	0	0
Stage 3-Paratia	-7.6	0	0
Stage 3-Paratia	-7.6	0	0
Stage 3-Paratia	-7.8	0	0
Stage 3-Paratia	-7.8	0	0
Stage 3-Paratia	-8	0	0
Stage 3-Paratia	-8	0	0
Stage 3-Paratia	-8.2	0	0
Stage 3-Paratia	-8.2	0	0
Stage 3-Paratia	-8.4	0	0
Stage 3-Paratia	-8.4	0	0
Stage 3-Paratia	-8.6	0	0
Stage 3-Paratia	-8.6	0	0
Stage 3-Paratia	-8.8	0	0
Stage 3-Paratia	-8.8	0	0
Stage 3-Paratia	-9	0	0
Stage 3-Paratia	-9	0	0
Stage 3-Paratia	-9.2	0	0
Stage 3-Paratia	-9.2	0	0

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-9.4	0	0
Stage 3-Paratia	-9.4	0	0
Stage 3-Paratia	-9.6	0	0
Stage 3-Paratia	-9.6	0	0
Stage 3-Paratia	-9.8	0	0
Stage 3-Paratia	-9.8	0	0
Stage 3-Paratia	-10	0	0
Stage 3-Paratia	-10	0	0
Stage 3-Paratia	-10.2	0	0
Stage 3-Paratia	-10.2	0	0
Stage 3-Paratia	-10.4	0	0
Stage 3-Paratia	-10.4	0	0
Stage 3-Paratia	-10.6	0	0
Stage 3-Paratia	-10.6	0	0
Stage 3-Paratia	-10.8	0	0
Stage 3-Paratia	-10.8	0	0
Stage 3-Paratia	-11	0	0
Stage 3-Paratia	-11	0	0
Stage 3-Paratia	-11.2	0	0
Stage 3-Paratia	-11.2	0	0
Stage 3-Paratia	-11.4	0	0
Stage 3-Paratia	-11.4	0	0
Stage 3-Paratia	-11.6	0	0
Stage 3-Paratia	-11.6	0	0
Stage 3-Paratia	-11.8	0	0
Stage 3-Paratia	-11.8	0	0
Stage 3-Paratia	-12	0	0
Stage 3-Paratia	-12	0	0
Stage 3-Paratia	-12.2	0	0
Stage 3-Paratia	-12.2	0	0
Stage 3-Paratia	-12.4	0	0
Stage 3-Paratia	-12.4	0	0
Stage 3-Paratia	-12.6	0	0
Stage 3-Paratia	-12.6	0	0
Stage 3-Paratia	-12.8	0	0
Stage 3-Paratia	-12.8	0	0
Stage 3-Paratia	-13	0	0
Stage 3-Paratia	-13	0	0
Stage 3-Paratia	-13.2	0	0
Stage 3-Paratia	-13.2	0	0
Stage 3-Paratia	-13.4	0	0
Stage 3-Paratia	-13.4	0	0
Stage 3-Paratia	-13.6	0	0
Stage 3-Paratia	-13.6	0	0
Stage 3-Paratia	-13.8	0	0
Stage 3-Paratia	-13.8	0	0
Stage 3-Paratia	-14	0	0
Stage 3-Paratia	-14	0	0
Stage 3-Paratia	-14.2	0	0
Stage 3-Paratia	-14.2	0	0
Stage 3-Paratia	-14.4	0	0
Stage 3-Paratia	-14.4	0	0
Stage 3-Paratia	-14.6	0	0
Stage 3-Paratia	-14.6	0	0
Stage 3-Paratia	-14.8	0	0
Stage 3-Paratia	-14.8	0	0
Stage 3-Paratia	-15	0	0
Stage 3-Paratia	-15	0	0
Stage 3-Paratia	-15.2	0	0
Stage 3-Paratia	-15.2	0	0
Stage 3-Paratia	-15.4	0	0
Stage 3-Paratia	-15.4	0	0
Stage 3-Paratia	-15.6	0	0
Stage 3-Paratia	-15.6	0	0
Stage 3-Paratia	-15.8	0	0

6.1.7. Tabella Spostamento SLE (Rara/Frequente/Quasi Permanente) - LEFT Stage: Stage 4-Scavo H=2m

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 4-Scavo H=2m	-1.6	0.06
Stage 4-Scavo H=2m	-1.8	0.06
Stage 4-Scavo H=2m	-2	0.06
Stage 4-Scavo H=2m	-2.2	0.06
Stage 4-Scavo H=2m	-2.4	0.06
Stage 4-Scavo H=2m	-2.6	0.06
Stage 4-Scavo H=2m	-2.8	0.06
Stage 4-Scavo H=2m	-3	0.05
Stage 4-Scavo H=2m	-3.2	0.05
Stage 4-Scavo H=2m	-3.4	0.05
Stage 4-Scavo H=2m	-3.6	0.05
Stage 4-Scavo H=2m	-3.8	0.05
Stage 4-Scavo H=2m	-4	0.05
Stage 4-Scavo H=2m	-4.2	0.05
Stage 4-Scavo H=2m	-4.4	0.05
Stage 4-Scavo H=2m	-4.6	0.05
Stage 4-Scavo H=2m	-4.8	0.05
Stage 4-Scavo H=2m	-5	0.04
Stage 4-Scavo H=2m	-5.2	0.04
Stage 4-Scavo H=2m	-5.4	0.04
Stage 4-Scavo H=2m	-5.6	0.04
Stage 4-Scavo H=2m	-5.8	0.04
Stage 4-Scavo H=2m	-6	0.04
Stage 4-Scavo H=2m	-6.2	0.04
Stage 4-Scavo H=2m	-6.4	0.04
Stage 4-Scavo H=2m	-6.6	0.04
Stage 4-Scavo H=2m	-6.8	0.04
Stage 4-Scavo H=2m	-7	0.04
Stage 4-Scavo H=2m	-7.2	0.03
Stage 4-Scavo H=2m	-7.4	0.03
Stage 4-Scavo H=2m	-7.6	0.03
Stage 4-Scavo H=2m	-7.8	0.03
Stage 4-Scavo H=2m	-8	0.03
Stage 4-Scavo H=2m	-8.2	0.03
Stage 4-Scavo H=2m	-8.4	0.03
Stage 4-Scavo H=2m	-8.6	0.03
Stage 4-Scavo H=2m	-8.8	0.03
Stage 4-Scavo H=2m	-9	0.03
Stage 4-Scavo H=2m	-9.2	0.03
Stage 4-Scavo H=2m	-9.4	0.03
Stage 4-Scavo H=2m	-9.6	0.03
Stage 4-Scavo H=2m	-9.8	0.03
Stage 4-Scavo H=2m	-10	0.03
Stage 4-Scavo H=2m	-10.2	0.03
Stage 4-Scavo H=2m	-10.4	0.03
Stage 4-Scavo H=2m	-10.6	0.03
Stage 4-Scavo H=2m	-10.8	0.03
Stage 4-Scavo H=2m	-11	0.03
Stage 4-Scavo H=2m	-11.2	0.03
Stage 4-Scavo H=2m	-11.4	0.03
Stage 4-Scavo H=2m	-11.6	0.03
Stage 4-Scavo H=2m	-11.8	0.03
Stage 4-Scavo H=2m	-12	0.03
Stage 4-Scavo H=2m	-12.2	0.03
Stage 4-Scavo H=2m	-12.4	0.03
Stage 4-Scavo H=2m	-12.6	0.03
Stage 4-Scavo H=2m	-12.8	0.03
Stage 4-Scavo H=2m	-13	0.03
Stage 4-Scavo H=2m	-13.2	0.03
Stage 4-Scavo H=2m	-13.4	0.03
Stage 4-Scavo H=2m	-13.6	0.03
Stage 4-Scavo H=2m	-13.8	0.03
Stage 4-Scavo H=2m	-14	0.03
Stage 4-Scavo H=2m	-14.2	0.03
Stage 4-Scavo H=2m	-14.4	0.03

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 4-Scavo H=2m	-14.6	0.03
Stage 4-Scavo H=2m	-14.8	0.03
Stage 4-Scavo H=2m	-15	0.03
Stage 4-Scavo H=2m	-15.2	0.03
Stage 4-Scavo H=2m	-15.4	0.03
Stage 4-Scavo H=2m	-15.6	0.03
Stage 4-Scavo H=2m	-15.8	0.03

6.1.8. Tabella Risultati Paratia SLE (Rara/Frequente/Quasi Permanente) - Left Wall - Stage: Stage 4-Scavo H=2m

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=2m	-1.6	0	0
Stage 4-Scavo H=2m	-1.8	0	0
Stage 4-Scavo H=2m	-1.8	0	0
Stage 4-Scavo H=2m	-2	0	0
Stage 4-Scavo H=2m	-2	0	0
Stage 4-Scavo H=2m	-2.2	0	0
Stage 4-Scavo H=2m	-2.2	0	0
Stage 4-Scavo H=2m	-2.4	0	0
Stage 4-Scavo H=2m	-2.4	0	0
Stage 4-Scavo H=2m	-2.6	0	0
Stage 4-Scavo H=2m	-2.6	0	0
Stage 4-Scavo H=2m	-2.8	0	0
Stage 4-Scavo H=2m	-2.8	0	0
Stage 4-Scavo H=2m	-3	0	0
Stage 4-Scavo H=2m	-3	0	0
Stage 4-Scavo H=2m	-3.2	-0.04	-0.19
Stage 4-Scavo H=2m	-3.4	-0.41	-1.88
Stage 4-Scavo H=2m	-3.6	-1.24	-4.13
Stage 4-Scavo H=2m	-3.8	-2.29	-5.22
Stage 4-Scavo H=2m	-4	-3.29	-5.02
Stage 4-Scavo H=2m	-4.2	-4.2	-4.56
Stage 4-Scavo H=2m	-4.4	-5	-3.97
Stage 4-Scavo H=2m	-4.6	-5.66	-3.34
Stage 4-Scavo H=2m	-4.8	-6.2	-2.68
Stage 4-Scavo H=2m	-5	-6.61	-2.07
Stage 4-Scavo H=2m	-5.2	-6.91	-1.5
Stage 4-Scavo H=2m	-5.4	-7.11	-0.99
Stage 4-Scavo H=2m	-5.6	-7.22	-0.54
Stage 4-Scavo H=2m	-5.8	-7.25	-0.13
Stage 4-Scavo H=2m	-6	-7.2	0.22
Stage 4-Scavo H=2m	-6.2	-7.09	0.53
Stage 4-Scavo H=2m	-6.4	-6.94	0.79
Stage 4-Scavo H=2m	-6.6	-6.73	1.01
Stage 4-Scavo H=2m	-6.8	-6.49	1.2
Stage 4-Scavo H=2m	-7	-6.23	1.34
Stage 4-Scavo H=2m	-7.2	-5.93	1.45
Stage 4-Scavo H=2m	-7.4	-5.63	1.54
Stage 4-Scavo H=2m	-7.6	-5.31	1.6
Stage 4-Scavo H=2m	-7.8	-4.98	1.63
Stage 4-Scavo H=2m	-8	-4.65	1.64
Stage 4-Scavo H=2m	-8.2	-4.33	1.64
Stage 4-Scavo H=2m	-8.4	-4	1.61
Stage 4-Scavo H=2m	-8.6	-3.69	1.58
Stage 4-Scavo H=2m	-8.8	-3.38	1.53
Stage 4-Scavo H=2m	-9	-3.09	1.48
Stage 4-Scavo H=2m	-9.2	-2.8	1.41
Stage 4-Scavo H=2m	-9.4	-2.53	1.35
Stage 4-Scavo H=2m	-9.6	-2.28	1.27
Stage 4-Scavo H=2m	-9.8	-2.04	1.2
Stage 4-Scavo H=2m	-10	-1.82	1.12
Stage 4-Scavo H=2m	-10.2	-1.61	1.04
Stage 4-Scavo H=2m	-10.4	-1.41	0.96
Stage 4-Scavo H=2m	-10.6	-1.24	0.89
Stage 4-Scavo H=2m	-10.8	-1.07	0.81
Stage 4-Scavo H=2m	-11	-0.93	0.74
Stage 4-Scavo H=2m	-11.2	-0.79	0.67
Stage 4-Scavo H=2m	-11.4	-0.67	0.6
Stage 4-Scavo H=2m	-11.6	-0.57	0.54
Stage 4-Scavo H=2m	-11.8	-0.47	0.48
Stage 4-Scavo H=2m	-12	-0.39	0.42
Stage 4-Scavo H=2m	-12.2	-0.31	0.37
Stage 4-Scavo H=2m	-12.4	-0.25	0.32
Stage 4-Scavo H=2m	-12.6	-0.2	0.27
Stage 4-Scavo H=2m	-12.8	-0.15	0.23
Stage 4-Scavo H=2m	-13	-0.11	0.19

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 4-Scavo H=2m	-13.2	-0.08	0.16
Stage 4-Scavo H=2m	-13.4	-0.06	0.13
Stage 4-Scavo H=2m	-13.6	-0.04	0.1
Stage 4-Scavo H=2m	-13.8	-0.02	0.08
Stage 4-Scavo H=2m	-14	-0.01	0.05
Stage 4-Scavo H=2m	-14.2	0	0.04
Stage 4-Scavo H=2m	-14.4	0	0.02
Stage 4-Scavo H=2m	-14.6	0	0.01
Stage 4-Scavo H=2m	-14.8	0.01	0
Stage 4-Scavo H=2m	-15	0	0
Stage 4-Scavo H=2m	-15.2	0	-0.01
Stage 4-Scavo H=2m	-15.4	0	-0.01
Stage 4-Scavo H=2m	-15.6	0	-0.01
Stage 4-Scavo H=2m	-15.8	0	0

6.1.9. Tabella Spostamento SLE (Rara/Frequente/Quasi Permanente) - LEFT Stage: Stage 5-Scavo H=4m

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 5-Scavo H=4m	-1.6	0.28
Stage 5-Scavo H=4m	-1.8	0.27
Stage 5-Scavo H=4m	-2	0.27
Stage 5-Scavo H=4m	-2.2	0.26
Stage 5-Scavo H=4m	-2.4	0.26
Stage 5-Scavo H=4m	-2.6	0.25
Stage 5-Scavo H=4m	-2.8	0.25
Stage 5-Scavo H=4m	-3	0.24
Stage 5-Scavo H=4m	-3.2	0.24
Stage 5-Scavo H=4m	-3.4	0.23
Stage 5-Scavo H=4m	-3.6	0.23
Stage 5-Scavo H=4m	-3.8	0.23
Stage 5-Scavo H=4m	-4	0.22
Stage 5-Scavo H=4m	-4.2	0.22
Stage 5-Scavo H=4m	-4.4	0.21
Stage 5-Scavo H=4m	-4.6	0.21
Stage 5-Scavo H=4m	-4.8	0.21
Stage 5-Scavo H=4m	-5	0.2
Stage 5-Scavo H=4m	-5.2	0.2
Stage 5-Scavo H=4m	-5.4	0.19
Stage 5-Scavo H=4m	-5.6	0.19
Stage 5-Scavo H=4m	-5.8	0.18
Stage 5-Scavo H=4m	-6	0.18
Stage 5-Scavo H=4m	-6.2	0.17
Stage 5-Scavo H=4m	-6.4	0.17
Stage 5-Scavo H=4m	-6.6	0.16
Stage 5-Scavo H=4m	-6.8	0.16
Stage 5-Scavo H=4m	-7	0.15
Stage 5-Scavo H=4m	-7.2	0.15
Stage 5-Scavo H=4m	-7.4	0.15
Stage 5-Scavo H=4m	-7.6	0.14
Stage 5-Scavo H=4m	-7.8	0.14
Stage 5-Scavo H=4m	-8	0.14
Stage 5-Scavo H=4m	-8.2	0.13
Stage 5-Scavo H=4m	-8.4	0.13
Stage 5-Scavo H=4m	-8.6	0.13
Stage 5-Scavo H=4m	-8.8	0.12
Stage 5-Scavo H=4m	-9	0.12
Stage 5-Scavo H=4m	-9.2	0.12
Stage 5-Scavo H=4m	-9.4	0.12
Stage 5-Scavo H=4m	-9.6	0.12
Stage 5-Scavo H=4m	-9.8	0.11
Stage 5-Scavo H=4m	-10	0.11
Stage 5-Scavo H=4m	-10.2	0.11
Stage 5-Scavo H=4m	-10.4	0.11
Stage 5-Scavo H=4m	-10.6	0.11
Stage 5-Scavo H=4m	-10.8	0.1
Stage 5-Scavo H=4m	-11	0.1
Stage 5-Scavo H=4m	-11.2	0.1
Stage 5-Scavo H=4m	-11.4	0.1
Stage 5-Scavo H=4m	-11.6	0.1
Stage 5-Scavo H=4m	-11.8	0.1
Stage 5-Scavo H=4m	-12	0.1
Stage 5-Scavo H=4m	-12.2	0.1
Stage 5-Scavo H=4m	-12.4	0.1
Stage 5-Scavo H=4m	-12.6	0.1
Stage 5-Scavo H=4m	-12.8	0.09
Stage 5-Scavo H=4m	-13	0.09
Stage 5-Scavo H=4m	-13.2	0.09
Stage 5-Scavo H=4m	-13.4	0.09
Stage 5-Scavo H=4m	-13.6	0.09
Stage 5-Scavo H=4m	-13.8	0.09
Stage 5-Scavo H=4m	-14	0.09
Stage 5-Scavo H=4m	-14.2	0.09
Stage 5-Scavo H=4m	-14.4	0.09

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 5-Scavo H=4m	-14.6	0.09
Stage 5-Scavo H=4m	-14.8	0.09
Stage 5-Scavo H=4m	-15	0.09
Stage 5-Scavo H=4m	-15.2	0.09
Stage 5-Scavo H=4m	-15.4	0.09
Stage 5-Scavo H=4m	-15.6	0.09
Stage 5-Scavo H=4m	-15.8	0.09

6.1.10. Tabella Risultati Paratia SLE (Rara/Frequente/Quasi Permanente) - Left Wall - Stage: Stage 5-Scavo H=4m

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=4m	-1.6	0	0
Stage 5-Scavo H=4m	-1.8	0	0
Stage 5-Scavo H=4m	-1.8	0	0
Stage 5-Scavo H=4m	-2	0	0
Stage 5-Scavo H=4m	-2	0	0
Stage 5-Scavo H=4m	-2.2	0	0
Stage 5-Scavo H=4m	-2.2	0	0
Stage 5-Scavo H=4m	-2.4	0	0
Stage 5-Scavo H=4m	-2.4	0	0
Stage 5-Scavo H=4m	-2.6	0	0
Stage 5-Scavo H=4m	-2.6	0	0
Stage 5-Scavo H=4m	-2.8	0	0
Stage 5-Scavo H=4m	-2.8	0	0
Stage 5-Scavo H=4m	-3	0	0
Stage 5-Scavo H=4m	-3	0	0
Stage 5-Scavo H=4m	-3.2	0	0
Stage 5-Scavo H=4m	-3.2	0	0
Stage 5-Scavo H=4m	-3.4	0	0
Stage 5-Scavo H=4m	-3.4	0	0
Stage 5-Scavo H=4m	-3.6	0	0
Stage 5-Scavo H=4m	-3.6	0	0
Stage 5-Scavo H=4m	-3.8	0	0
Stage 5-Scavo H=4m	-3.8	0	0
Stage 5-Scavo H=4m	-4	0	0
Stage 5-Scavo H=4m	-4	0	0
Stage 5-Scavo H=4m	-4.2	0	0
Stage 5-Scavo H=4m	-4.2	0	0
Stage 5-Scavo H=4m	-4.4	0	0
Stage 5-Scavo H=4m	-4.4	0	0
Stage 5-Scavo H=4m	-4.6	-0.08	-0.42
Stage 5-Scavo H=4m	-4.8	-0.33	-1.24
Stage 5-Scavo H=4m	-5	-0.84	-2.55
Stage 5-Scavo H=4m	-5.2	-1.72	-4.4
Stage 5-Scavo H=4m	-5.4	-3.08	-6.8
Stage 5-Scavo H=4m	-5.6	-5.03	-9.74
Stage 5-Scavo H=4m	-5.8	-7.73	-13.49
Stage 5-Scavo H=4m	-6	-10.13	-12.04
Stage 5-Scavo H=4m	-6.2	-12.24	-10.51
Stage 5-Scavo H=4m	-6.4	-14.04	-9.04
Stage 5-Scavo H=4m	-6.6	-15.57	-7.62
Stage 5-Scavo H=4m	-6.8	-16.82	-6.28
Stage 5-Scavo H=4m	-7	-17.83	-5.02
Stage 5-Scavo H=4m	-7.2	-18.59	-3.85
Stage 5-Scavo H=4m	-7.4	-19.15	-2.77
Stage 5-Scavo H=4m	-7.6	-19.51	-1.79
Stage 5-Scavo H=4m	-7.8	-19.68	-0.89
Stage 5-Scavo H=4m	-8	-19.7	-0.09
Stage 5-Scavo H=4m	-8.2	-19.58	0.62
Stage 5-Scavo H=4m	-8.4	-19.33	1.25
Stage 5-Scavo H=4m	-8.6	-18.97	1.81
Stage 5-Scavo H=4m	-8.8	-18.51	2.28
Stage 5-Scavo H=4m	-9	-17.97	2.69
Stage 5-Scavo H=4m	-9.2	-17.36	3.04
Stage 5-Scavo H=4m	-9.4	-16.7	3.32
Stage 5-Scavo H=4m	-9.6	-15.99	3.55
Stage 5-Scavo H=4m	-9.8	-15.24	3.73
Stage 5-Scavo H=4m	-10	-14.47	3.86
Stage 5-Scavo H=4m	-10.2	-13.68	3.95
Stage 5-Scavo H=4m	-10.4	-12.88	4
Stage 5-Scavo H=4m	-10.6	-12.08	4.02
Stage 5-Scavo H=4m	-10.8	-11.28	4
Stage 5-Scavo H=4m	-11	-10.49	3.96
Stage 5-Scavo H=4m	-11.2	-9.71	3.9
Stage 5-Scavo H=4m	-11.4	-8.94	3.82
Stage 5-Scavo H=4m	-11.6	-8.2	3.72

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=4m	-11.8	-7.48	3.61
Stage 5-Scavo H=4m	-12	-6.78	3.48
Stage 5-Scavo H=4m	-12.2	-6.12	3.34
Stage 5-Scavo H=4m	-12.4	-5.48	3.19
Stage 5-Scavo H=4m	-12.6	-4.87	3.03
Stage 5-Scavo H=4m	-12.8	-4.3	2.87
Stage 5-Scavo H=4m	-13	-3.76	2.7
Stage 5-Scavo H=4m	-13.2	-3.25	2.53
Stage 5-Scavo H=4m	-13.4	-2.78	2.36
Stage 5-Scavo H=4m	-13.6	-2.34	2.18
Stage 5-Scavo H=4m	-13.8	-1.94	2
Stage 5-Scavo H=4m	-14	-1.58	1.82
Stage 5-Scavo H=4m	-14.2	-1.25	1.63
Stage 5-Scavo H=4m	-14.4	-0.96	1.45
Stage 5-Scavo H=4m	-14.6	-0.71	1.26
Stage 5-Scavo H=4m	-14.8	-0.5	1.07
Stage 5-Scavo H=4m	-15	-0.32	0.88
Stage 5-Scavo H=4m	-15.2	-0.18	0.69
Stage 5-Scavo H=4m	-15.4	-0.08	0.5
Stage 5-Scavo H=4m	-15.6	-0.02	0.3
Stage 5-Scavo H=4m	-15.8	0	0.1

6.1.11. Tabella Spostamento SLE (Rara/Frequente/Quasi Permanente) - LEFT Stage: Stage 6-Scavo H=6.5m

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 6-Scavo H=6.5m	-1.6	0.75
Stage 6-Scavo H=6.5m	-1.8	0.74
Stage 6-Scavo H=6.5m	-2	0.73
Stage 6-Scavo H=6.5m	-2.2	0.72
Stage 6-Scavo H=6.5m	-2.4	0.71
Stage 6-Scavo H=6.5m	-2.6	0.7
Stage 6-Scavo H=6.5m	-2.8	0.69
Stage 6-Scavo H=6.5m	-3	0.68
Stage 6-Scavo H=6.5m	-3.2	0.67
Stage 6-Scavo H=6.5m	-3.4	0.66
Stage 6-Scavo H=6.5m	-3.6	0.65
Stage 6-Scavo H=6.5m	-3.8	0.64
Stage 6-Scavo H=6.5m	-4	0.63
Stage 6-Scavo H=6.5m	-4.2	0.62
Stage 6-Scavo H=6.5m	-4.4	0.62
Stage 6-Scavo H=6.5m	-4.6	0.61
Stage 6-Scavo H=6.5m	-4.8	0.6
Stage 6-Scavo H=6.5m	-5	0.59
Stage 6-Scavo H=6.5m	-5.2	0.58
Stage 6-Scavo H=6.5m	-5.4	0.57
Stage 6-Scavo H=6.5m	-5.6	0.56
Stage 6-Scavo H=6.5m	-5.8	0.55
Stage 6-Scavo H=6.5m	-6	0.54
Stage 6-Scavo H=6.5m	-6.2	0.53
Stage 6-Scavo H=6.5m	-6.4	0.52
Stage 6-Scavo H=6.5m	-6.6	0.51
Stage 6-Scavo H=6.5m	-6.8	0.5
Stage 6-Scavo H=6.5m	-7	0.49
Stage 6-Scavo H=6.5m	-7.2	0.48
Stage 6-Scavo H=6.5m	-7.4	0.47
Stage 6-Scavo H=6.5m	-7.6	0.46
Stage 6-Scavo H=6.5m	-7.8	0.45
Stage 6-Scavo H=6.5m	-8	0.44
Stage 6-Scavo H=6.5m	-8.2	0.43
Stage 6-Scavo H=6.5m	-8.4	0.43
Stage 6-Scavo H=6.5m	-8.6	0.42
Stage 6-Scavo H=6.5m	-8.8	0.41
Stage 6-Scavo H=6.5m	-9	0.4
Stage 6-Scavo H=6.5m	-9.2	0.39
Stage 6-Scavo H=6.5m	-9.4	0.38
Stage 6-Scavo H=6.5m	-9.6	0.37
Stage 6-Scavo H=6.5m	-9.8	0.36
Stage 6-Scavo H=6.5m	-10	0.36
Stage 6-Scavo H=6.5m	-10.2	0.35
Stage 6-Scavo H=6.5m	-10.4	0.34
Stage 6-Scavo H=6.5m	-10.6	0.33
Stage 6-Scavo H=6.5m	-10.8	0.33
Stage 6-Scavo H=6.5m	-11	0.32
Stage 6-Scavo H=6.5m	-11.2	0.31
Stage 6-Scavo H=6.5m	-11.4	0.31
Stage 6-Scavo H=6.5m	-11.6	0.3
Stage 6-Scavo H=6.5m	-11.8	0.3
Stage 6-Scavo H=6.5m	-12	0.29
Stage 6-Scavo H=6.5m	-12.2	0.28
Stage 6-Scavo H=6.5m	-12.4	0.28
Stage 6-Scavo H=6.5m	-12.6	0.27
Stage 6-Scavo H=6.5m	-12.8	0.27
Stage 6-Scavo H=6.5m	-13	0.26
Stage 6-Scavo H=6.5m	-13.2	0.26
Stage 6-Scavo H=6.5m	-13.4	0.25
Stage 6-Scavo H=6.5m	-13.6	0.25
Stage 6-Scavo H=6.5m	-13.8	0.24
Stage 6-Scavo H=6.5m	-14	0.24
Stage 6-Scavo H=6.5m	-14.2	0.23
Stage 6-Scavo H=6.5m	-14.4	0.23

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Stage 6-Scavo H=6.5m	-14.6	0.23
Stage 6-Scavo H=6.5m	-14.8	0.22
Stage 6-Scavo H=6.5m	-15	0.22
Stage 6-Scavo H=6.5m	-15.2	0.21
Stage 6-Scavo H=6.5m	-15.4	0.21
Stage 6-Scavo H=6.5m	-15.6	0.2
Stage 6-Scavo H=6.5m	-15.8	0.2

6.1.12. Tabella Risultati Paratia SLE (Rara/Frequente/Quasi Permanente) - Left Wall - Stage: Stage 6-Scavo H=6.5m

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=6.5m	-1.6	0	0
Stage 6-Scavo H=6.5m	-1.8	0	0
Stage 6-Scavo H=6.5m	-1.8	0	0
Stage 6-Scavo H=6.5m	-2	0	0
Stage 6-Scavo H=6.5m	-2	0	0
Stage 6-Scavo H=6.5m	-2.2	0	0
Stage 6-Scavo H=6.5m	-2.2	0	0
Stage 6-Scavo H=6.5m	-2.4	0	0
Stage 6-Scavo H=6.5m	-2.4	0	0
Stage 6-Scavo H=6.5m	-2.6	0	0
Stage 6-Scavo H=6.5m	-2.6	0	0
Stage 6-Scavo H=6.5m	-2.8	0	0
Stage 6-Scavo H=6.5m	-2.8	0	0
Stage 6-Scavo H=6.5m	-3	0	0
Stage 6-Scavo H=6.5m	-3	0	0
Stage 6-Scavo H=6.5m	-3.2	0	0
Stage 6-Scavo H=6.5m	-3.2	0	0
Stage 6-Scavo H=6.5m	-3.4	0	0
Stage 6-Scavo H=6.5m	-3.4	0	0
Stage 6-Scavo H=6.5m	-3.6	0	0
Stage 6-Scavo H=6.5m	-3.6	0	0
Stage 6-Scavo H=6.5m	-3.8	0	0
Stage 6-Scavo H=6.5m	-3.8	0	0
Stage 6-Scavo H=6.5m	-4	0	0
Stage 6-Scavo H=6.5m	-4	0	0
Stage 6-Scavo H=6.5m	-4.2	0	0
Stage 6-Scavo H=6.5m	-4.2	0	0
Stage 6-Scavo H=6.5m	-4.4	0	0
Stage 6-Scavo H=6.5m	-4.4	0	0
Stage 6-Scavo H=6.5m	-4.6	0	0
Stage 6-Scavo H=6.5m	-4.6	0	0
Stage 6-Scavo H=6.5m	-4.8	0	0
Stage 6-Scavo H=6.5m	-4.8	0	0
Stage 6-Scavo H=6.5m	-5	0	0
Stage 6-Scavo H=6.5m	-5	0	0
Stage 6-Scavo H=6.5m	-5.2	0	0
Stage 6-Scavo H=6.5m	-5.2	0	0
Stage 6-Scavo H=6.5m	-5.4	0	0
Stage 6-Scavo H=6.5m	-5.4	0	0
Stage 6-Scavo H=6.5m	-5.6	0	0
Stage 6-Scavo H=6.5m	-5.6	0	0
Stage 6-Scavo H=6.5m	-5.8	0	0
Stage 6-Scavo H=6.5m	-5.8	0	0
Stage 6-Scavo H=6.5m	-6	0	0
Stage 6-Scavo H=6.5m	-6	0	0
Stage 6-Scavo H=6.5m	-6.2	0	0
Stage 6-Scavo H=6.5m	-6.2	0	0
Stage 6-Scavo H=6.5m	-6.4	0	0
Stage 6-Scavo H=6.5m	-6.4	0	0
Stage 6-Scavo H=6.5m	-6.6	0	0
Stage 6-Scavo H=6.5m	-6.6	0	0
Stage 6-Scavo H=6.5m	-6.8	-0.06	-0.29
Stage 6-Scavo H=6.5m	-7	-0.29	-1.18
Stage 6-Scavo H=6.5m	-7.2	-0.82	-2.65
Stage 6-Scavo H=6.5m	-7.4	-1.76	-4.7
Stage 6-Scavo H=6.5m	-7.6	-3.23	-7.34
Stage 6-Scavo H=6.5m	-7.8	-5.35	-10.58
Stage 6-Scavo H=6.5m	-8	-8.28	-14.69
Stage 6-Scavo H=6.5m	-8.2	-12.21	-19.63
Stage 6-Scavo H=6.5m	-8.4	-15.74	-17.63
Stage 6-Scavo H=6.5m	-8.6	-18.79	-15.24
Stage 6-Scavo H=6.5m	-8.8	-21.36	-12.85
Stage 6-Scavo H=6.5m	-9	-23.48	-10.61
Stage 6-Scavo H=6.5m	-9.2	-25.2	-8.6
Stage 6-Scavo H=6.5m	-9.4	-26.54	-6.72

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 6-Scavo H=6.5m	-9.6	-27.54	-4.97
Stage 6-Scavo H=6.5m	-9.8	-28.2	-3.34
Stage 6-Scavo H=6.5m	-10	-28.57	-1.84
Stage 6-Scavo H=6.5m	-10.2	-28.67	-0.47
Stage 6-Scavo H=6.5m	-10.4	-28.51	0.78
Stage 6-Scavo H=6.5m	-10.6	-28.13	1.91
Stage 6-Scavo H=6.5m	-10.8	-27.55	2.92
Stage 6-Scavo H=6.5m	-11	-26.78	3.82
Stage 6-Scavo H=6.5m	-11.2	-25.86	4.62
Stage 6-Scavo H=6.5m	-11.4	-24.8	5.31
Stage 6-Scavo H=6.5m	-11.6	-23.62	5.9
Stage 6-Scavo H=6.5m	-11.8	-22.34	6.39
Stage 6-Scavo H=6.5m	-12	-20.98	6.8
Stage 6-Scavo H=6.5m	-12.2	-19.56	7.11
Stage 6-Scavo H=6.5m	-12.4	-18.09	7.34
Stage 6-Scavo H=6.5m	-12.6	-16.59	7.5
Stage 6-Scavo H=6.5m	-12.8	-15.08	7.57
Stage 6-Scavo H=6.5m	-13	-13.56	7.57
Stage 6-Scavo H=6.5m	-13.2	-12.06	7.5
Stage 6-Scavo H=6.5m	-13.4	-10.59	7.35
Stage 6-Scavo H=6.5m	-13.6	-9.16	7.14
Stage 6-Scavo H=6.5m	-13.8	-7.79	6.86
Stage 6-Scavo H=6.5m	-14	-6.49	6.52
Stage 6-Scavo H=6.5m	-14.2	-5.27	6.11
Stage 6-Scavo H=6.5m	-14.4	-4.14	5.63
Stage 6-Scavo H=6.5m	-14.6	-3.12	5.09
Stage 6-Scavo H=6.5m	-14.8	-2.22	4.49
Stage 6-Scavo H=6.5m	-15	-1.46	3.82
Stage 6-Scavo H=6.5m	-15.2	-0.84	3.09
Stage 6-Scavo H=6.5m	-15.4	-0.38	2.29
Stage 6-Scavo H=6.5m	-15.6	-0.1	1.43
Stage 6-Scavo H=6.5m	-15.8	0	0.5

6.1.13. Tabella Spostamento SLE (Rara/Frequente/Quasi Permanente) - LEFT Stage: Sismica

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Sismica	-1.6	0.75
Sismica	-1.8	0.74
Sismica	-2	0.73
Sismica	-2.2	0.72
Sismica	-2.4	0.71
Sismica	-2.6	0.7
Sismica	-2.8	0.69
Sismica	-3	0.68
Sismica	-3.2	0.67
Sismica	-3.4	0.66
Sismica	-3.6	0.65
Sismica	-3.8	0.64
Sismica	-4	0.63
Sismica	-4.2	0.62
Sismica	-4.4	0.62
Sismica	-4.6	0.61
Sismica	-4.8	0.6
Sismica	-5	0.59
Sismica	-5.2	0.58
Sismica	-5.4	0.57
Sismica	-5.6	0.56
Sismica	-5.8	0.55
Sismica	-6	0.54
Sismica	-6.2	0.53
Sismica	-6.4	0.52
Sismica	-6.6	0.51
Sismica	-6.8	0.5
Sismica	-7	0.49
Sismica	-7.2	0.48
Sismica	-7.4	0.47
Sismica	-7.6	0.46
Sismica	-7.8	0.45
Sismica	-8	0.44
Sismica	-8.2	0.43
Sismica	-8.4	0.43
Sismica	-8.6	0.42
Sismica	-8.8	0.41
Sismica	-9	0.4
Sismica	-9.2	0.39
Sismica	-9.4	0.38
Sismica	-9.6	0.37
Sismica	-9.8	0.36
Sismica	-10	0.36
Sismica	-10.2	0.35
Sismica	-10.4	0.34
Sismica	-10.6	0.33
Sismica	-10.8	0.33
Sismica	-11	0.32
Sismica	-11.2	0.31
Sismica	-11.4	0.31
Sismica	-11.6	0.3
Sismica	-11.8	0.3
Sismica	-12	0.29
Sismica	-12.2	0.28
Sismica	-12.4	0.28
Sismica	-12.6	0.27
Sismica	-12.8	0.27
Sismica	-13	0.26
Sismica	-13.2	0.26
Sismica	-13.4	0.25
Sismica	-13.6	0.25
Sismica	-13.8	0.24
Sismica	-14	0.24
Sismica	-14.2	0.23
Sismica	-14.4	0.23
Sismica	-14.6	0.23
Sismica	-14.8	0.22

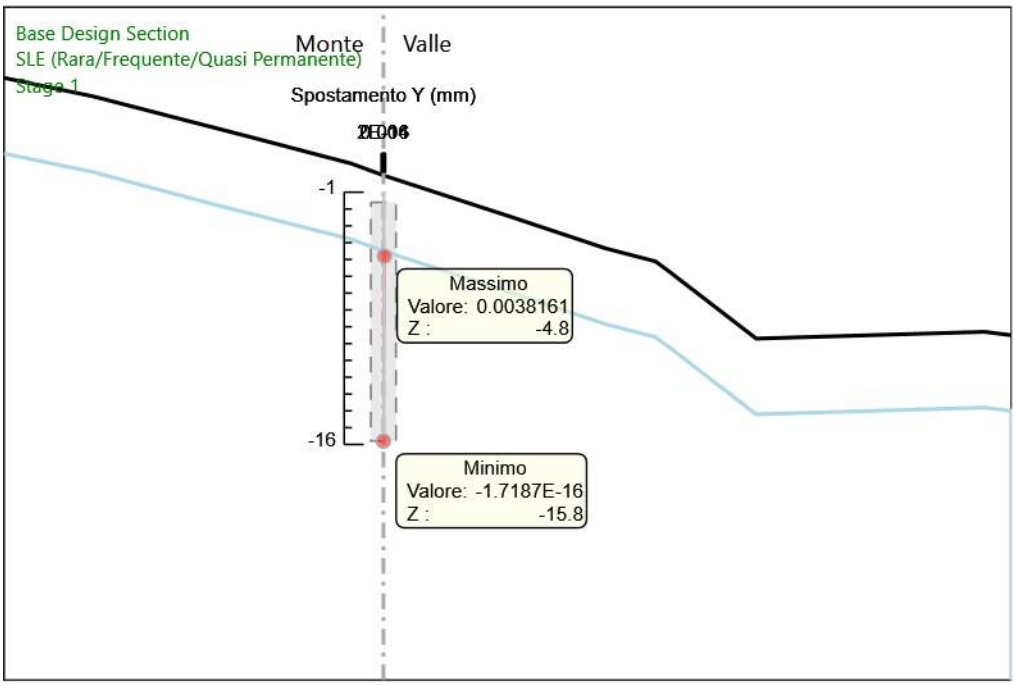
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento orizzontale (mm)**
Sismica	-15	0.22
Sismica	-15.2	0.21
Sismica	-15.4	0.21
Sismica	-15.6	0.2
Sismica	-15.8	0.2

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

Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sismica	-1.6	0	0
Sismica	-1.8	0	0
Sismica	-1.8	0	0
Sismica	-2	0	0
Sismica	-2	0	0
Sismica	-2.2	0	0
Sismica	-2.2	0	0
Sismica	-2.4	0	0
Sismica	-2.4	0	0
Sismica	-2.6	0	0
Sismica	-2.6	0	0
Sismica	-2.8	0	0
Sismica	-2.8	0	0
Sismica	-3	0	0
Sismica	-3	0	0
Sismica	-3.2	0	0
Sismica	-3.2	0	0
Sismica	-3.4	0	0
Sismica	-3.4	0	0
Sismica	-3.6	0	0
Sismica	-3.6	0	0
Sismica	-3.8	0	0
Sismica	-3.8	0	0
Sismica	-4	0	0
Sismica	-4	0	0
Sismica	-4.2	0	0
Sismica	-4.2	0	0
Sismica	-4.4	0	0
Sismica	-4.4	0	0
Sismica	-4.6	0	0
Sismica	-4.6	0	0
Sismica	-4.8	0	0
Sismica	-4.8	0	0
Sismica	-5	0	0
Sismica	-5	0	0
Sismica	-5.2	0	0
Sismica	-5.2	0	0
Sismica	-5.4	0	0
Sismica	-5.4	0	0
Sismica	-5.6	0	0
Sismica	-5.6	0	0
Sismica	-5.8	0	0
Sismica	-5.8	0	0
Sismica	-6	0	0
Sismica	-6	0	0
Sismica	-6.2	0	0
Sismica	-6.2	0	0
Sismica	-6.4	0	0
Sismica	-6.4	0	0
Sismica	-6.6	0	0
Sismica	-6.6	0	0
Sismica	-6.8	-0.06	-0.29
Sismica	-7	-0.29	-1.18
Sismica	-7.2	-0.82	-2.65
Sismica	-7.4	-1.76	-4.7
Sismica	-7.6	-3.23	-7.34
Sismica	-7.8	-5.35	-10.58
Sismica	-8	-8.28	-14.69
Sismica	-8.2	-12.21	-19.63
Sismica	-8.4	-15.74	-17.63
Sismica	-8.6	-18.79	-15.24
Sismica	-8.8	-21.36	-12.85
Sismica	-9	-23.48	-10.61
Sismica	-9.2	-25.2	-8.6
Sismica	-9.4	-26.54	-6.72

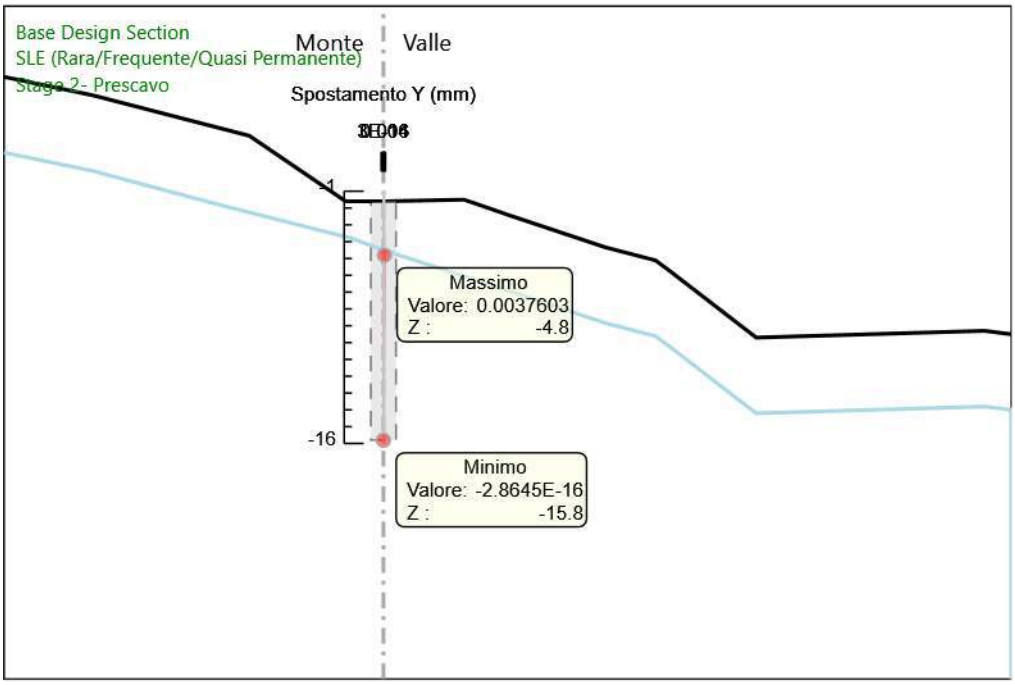
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sismica	-9.6	-27.54	-4.97
Sismica	-9.8	-28.2	-3.34
Sismica	-10	-28.57	-1.84
Sismica	-10.2	-28.67	-0.47
Sismica	-10.4	-28.51	0.78
Sismica	-10.6	-28.13	1.91
Sismica	-10.8	-27.55	2.92
Sismica	-11	-26.78	3.82
Sismica	-11.2	-25.86	4.62
Sismica	-11.4	-24.8	5.31
Sismica	-11.6	-23.62	5.9
Sismica	-11.8	-22.34	6.39
Sismica	-12	-20.98	6.8
Sismica	-12.2	-19.56	7.11
Sismica	-12.4	-18.09	7.34
Sismica	-12.6	-16.59	7.5
Sismica	-12.8	-15.08	7.57
Sismica	-13	-13.56	7.57
Sismica	-13.2	-12.06	7.5
Sismica	-13.4	-10.59	7.35
Sismica	-13.6	-9.16	7.14
Sismica	-13.8	-7.79	6.86
Sismica	-14	-6.49	6.52
Sismica	-14.2	-5.27	6.11
Sismica	-14.4	-4.14	5.63
Sismica	-14.6	-3.12	5.09
Sismica	-14.8	-2.22	4.49
Sismica	-15	-1.46	3.82
Sismica	-15.2	-0.84	3.09
Sismica	-15.4	-0.38	2.29
Sismica	-15.6	-0.1	1.43
Sismica	-15.8	0	0.5

6.1.15. Grafico Spostamento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 1



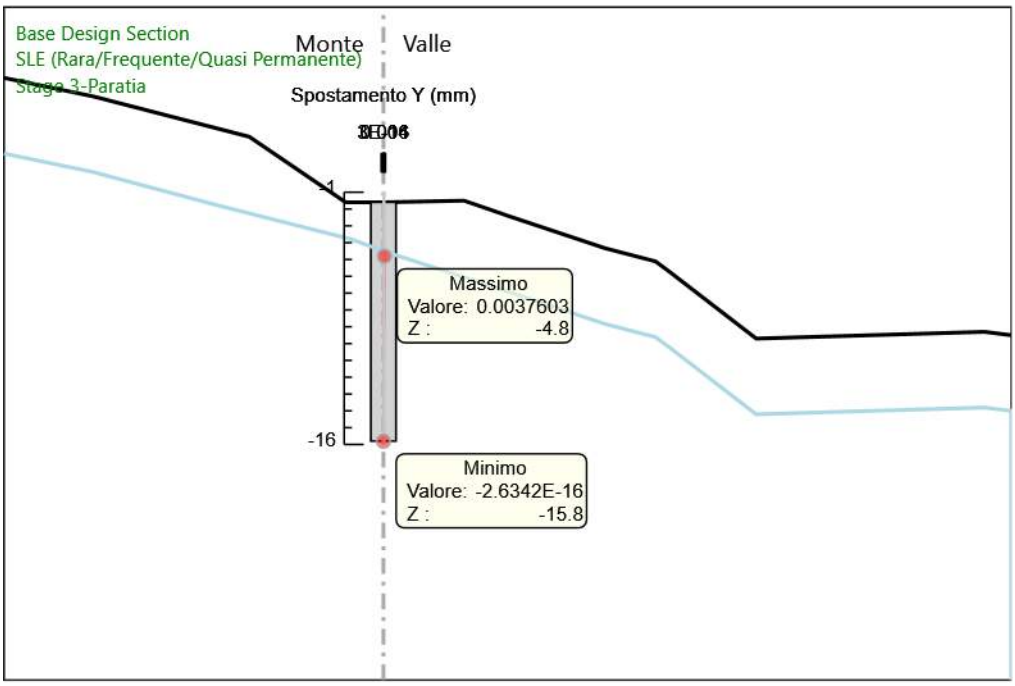
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 1
Spostamento orizzontale

6.1.16. Grafico Spostamento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 2- Prescavo



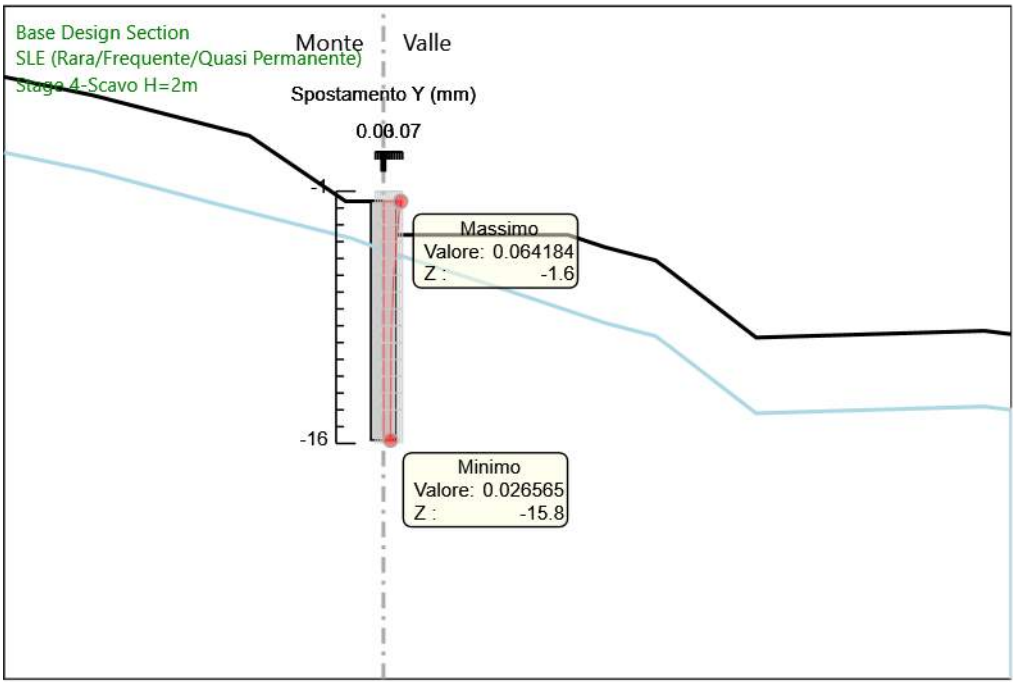
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 2- Prescavo
Spostamento orizzontale

6.1.17. Grafico Spostamento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 3-Paratia



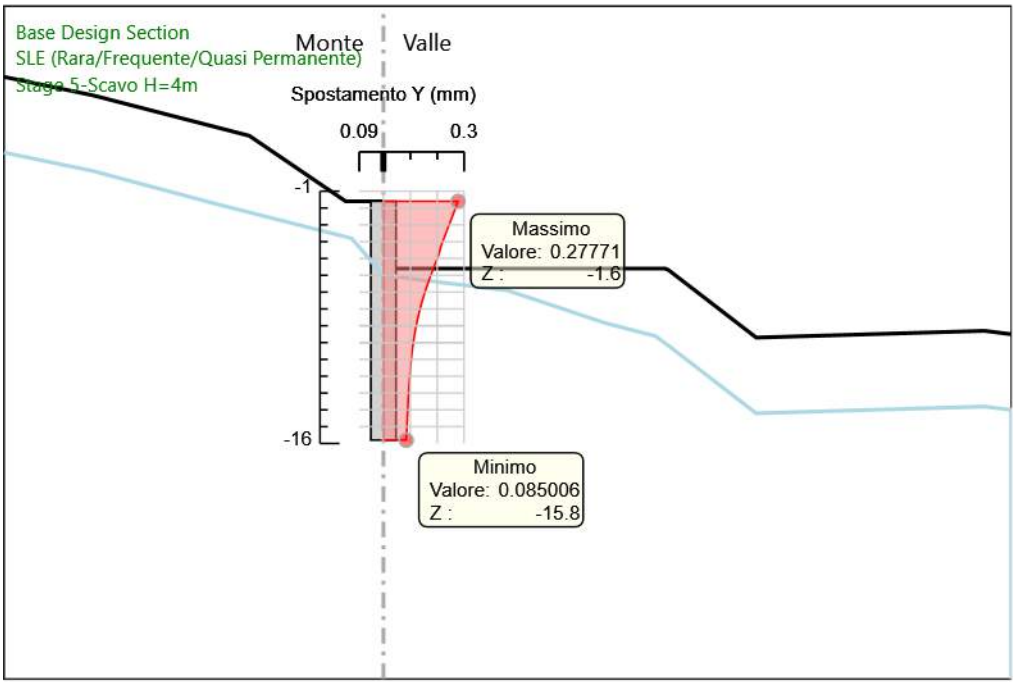
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 3-Paratia
Spostamento orizzontale

6.1.18. Grafico Spostamento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 4-Scavo H=2m



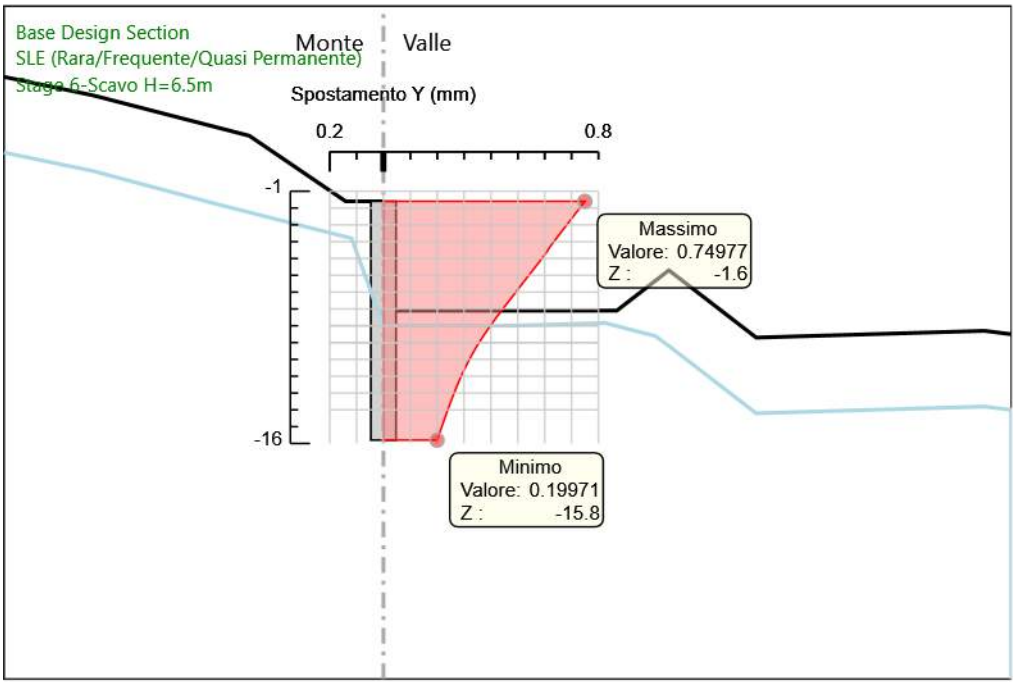
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 4-Scavo H=2m
Spostamento orizzontale

6.1.19. Grafico Spostamento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 5-Scavo H=4m



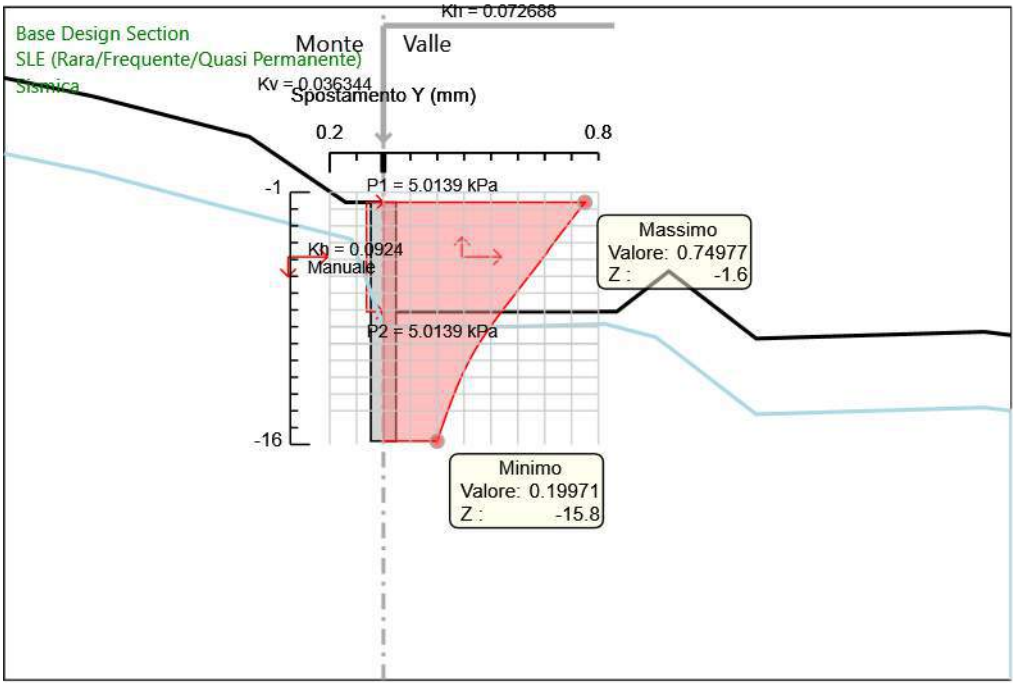
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 5-Scavo H=4m
Spostamento orizzontale

6.1.20. Grafico Spostamento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 6-Scavo H=6.5m



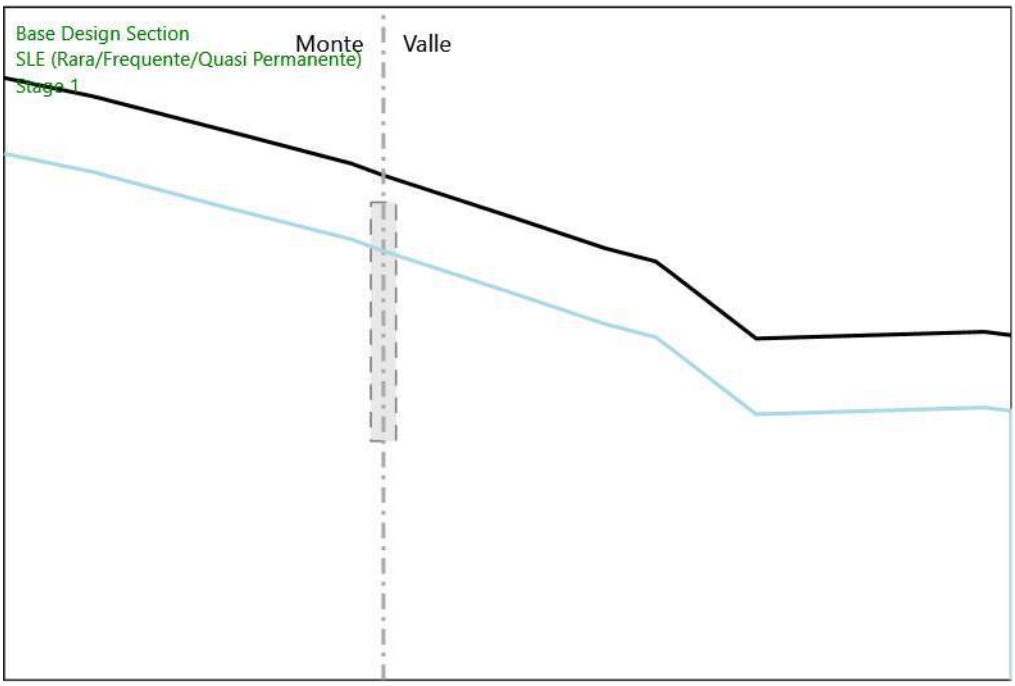
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 6-Scavo H=6.5m
Spostamento orizzontale

6.1.21. Grafico Spostamento SLE (Rara/Frequente/Quasi Permanente) - Stage: Sismica



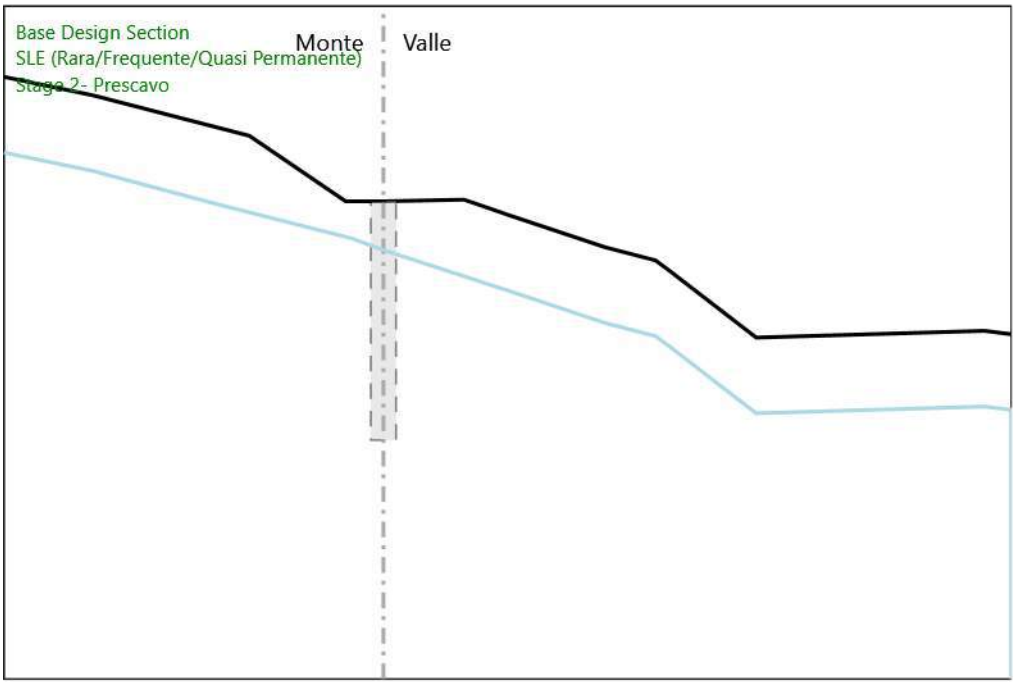
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Sismica
Spostamento orizzontale

6.1.22. Grafico Risultati Momento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 1



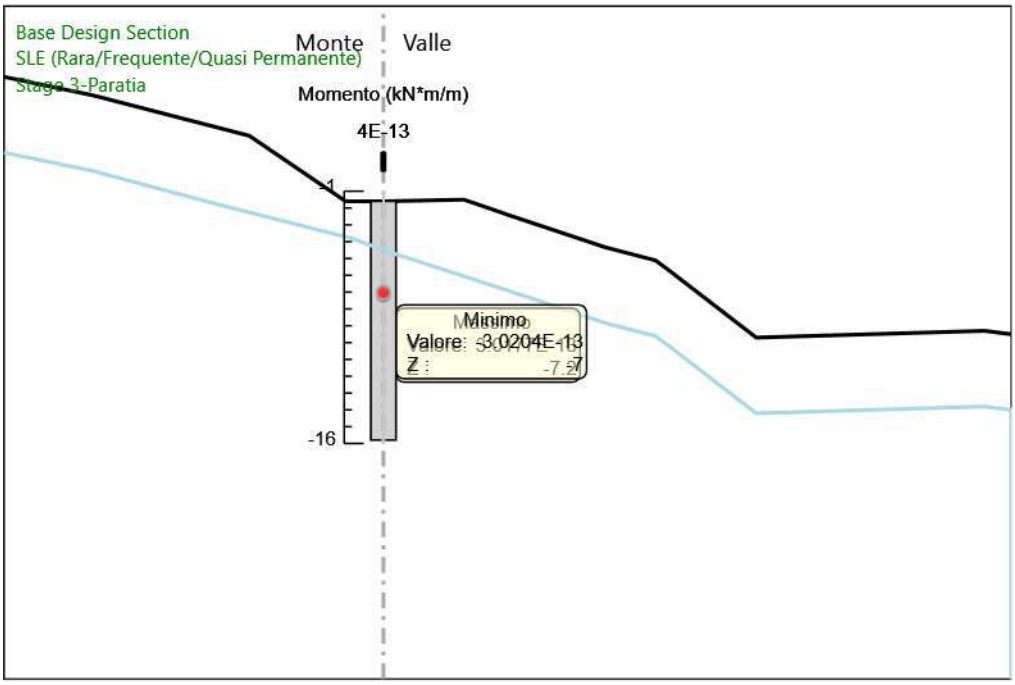
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 1
Momento

6.1.23. Grafico Risultati Momento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 2- Prescavo



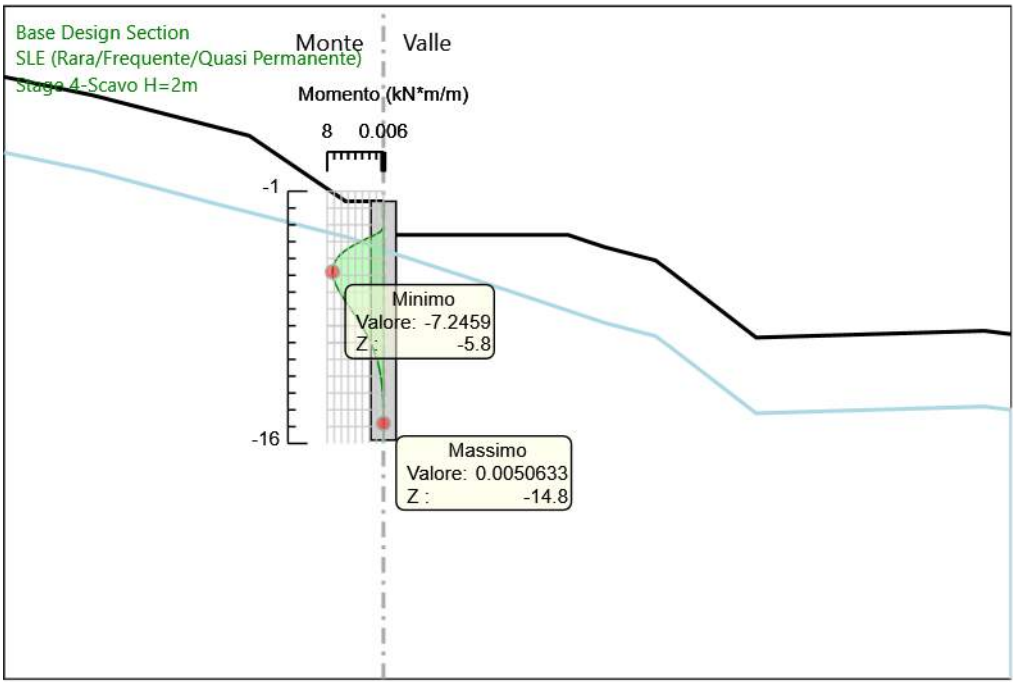
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 2- Prescavo
Momento

6.1.24. Grafico Risultati Momento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 3-Paratia



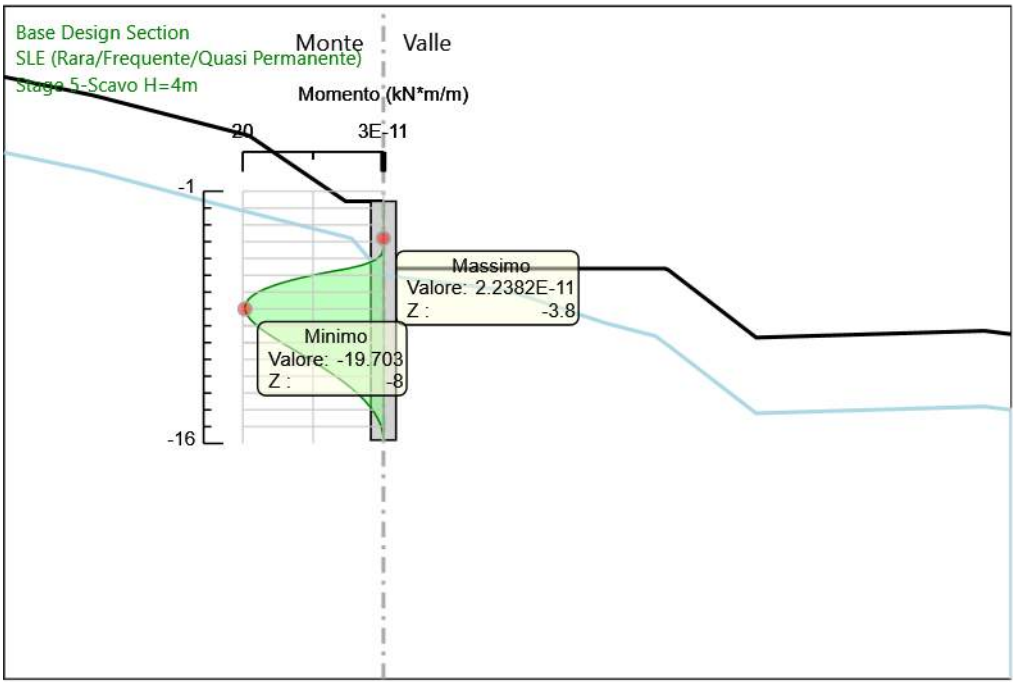
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 3-Paratia
Momento

6.1.25. Grafico Risultati Momento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 4-Scavo H=2m



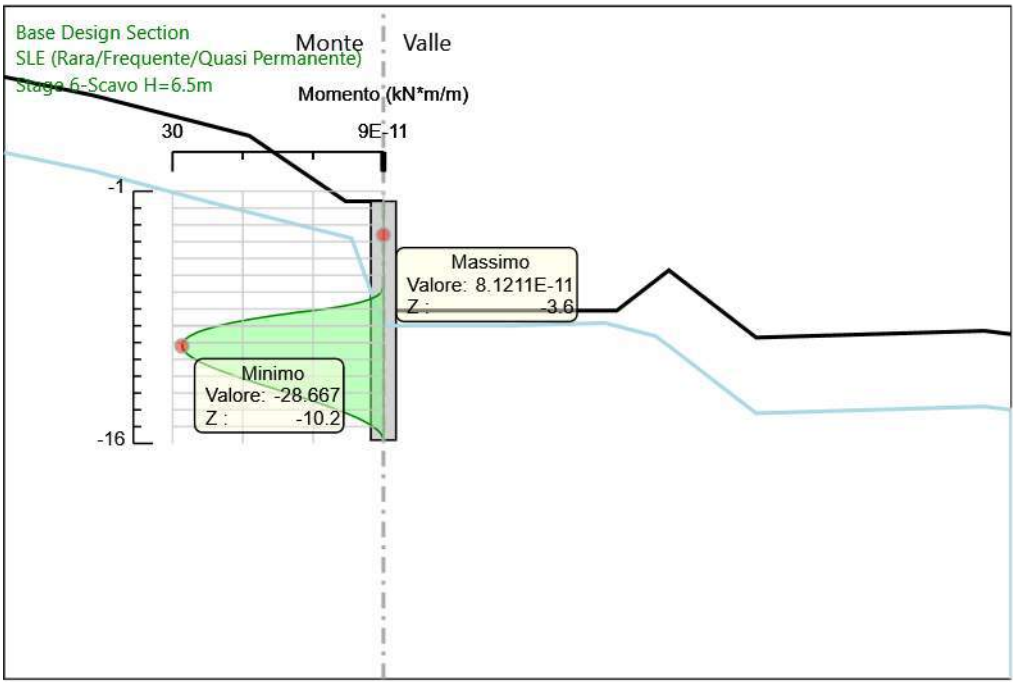
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 4-Scavo H=2m
Momento

6.1.26. Grafico Risultati Momento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 5-Scavo H=4m



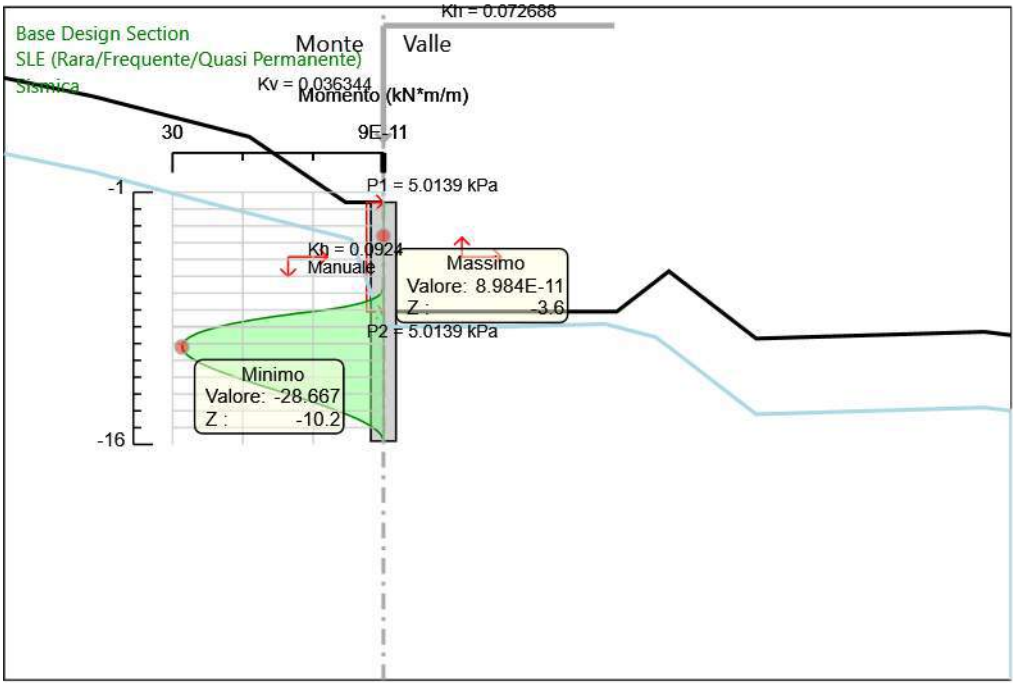
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 5-Scavo H=4m
Momento

6.1.27. Grafico Risultati Momento SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 6-Scavo H=6.5m



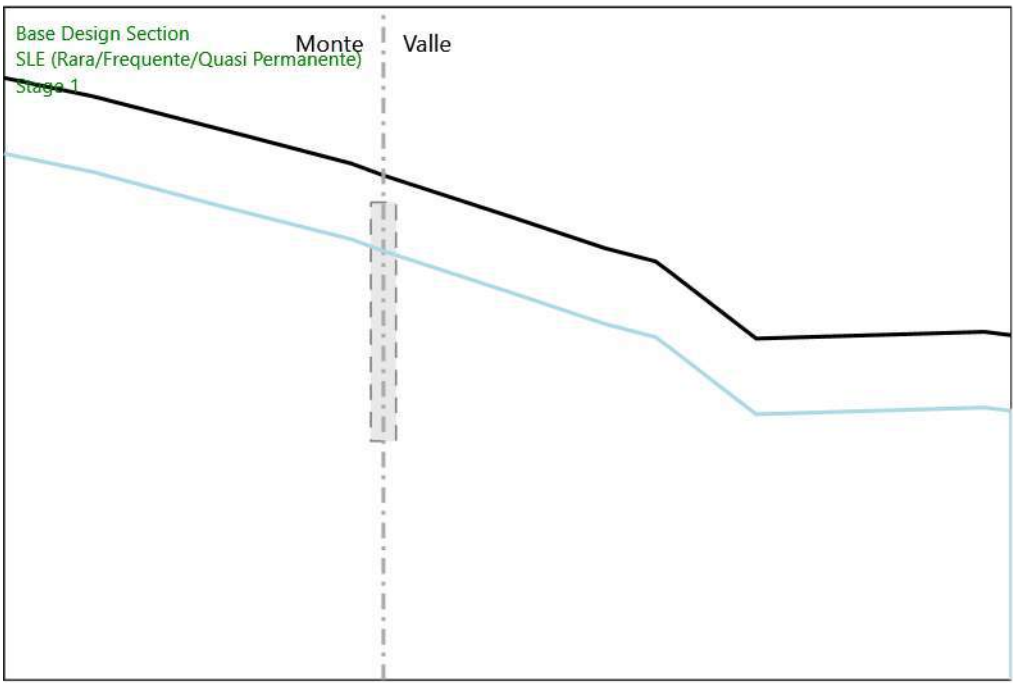
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 6-Scavo H=6.5m
Momento

6.1.28. Grafico Risultati Momento SLE (Rara/Frequente/Quasi Permanente) - Stage: Sismica



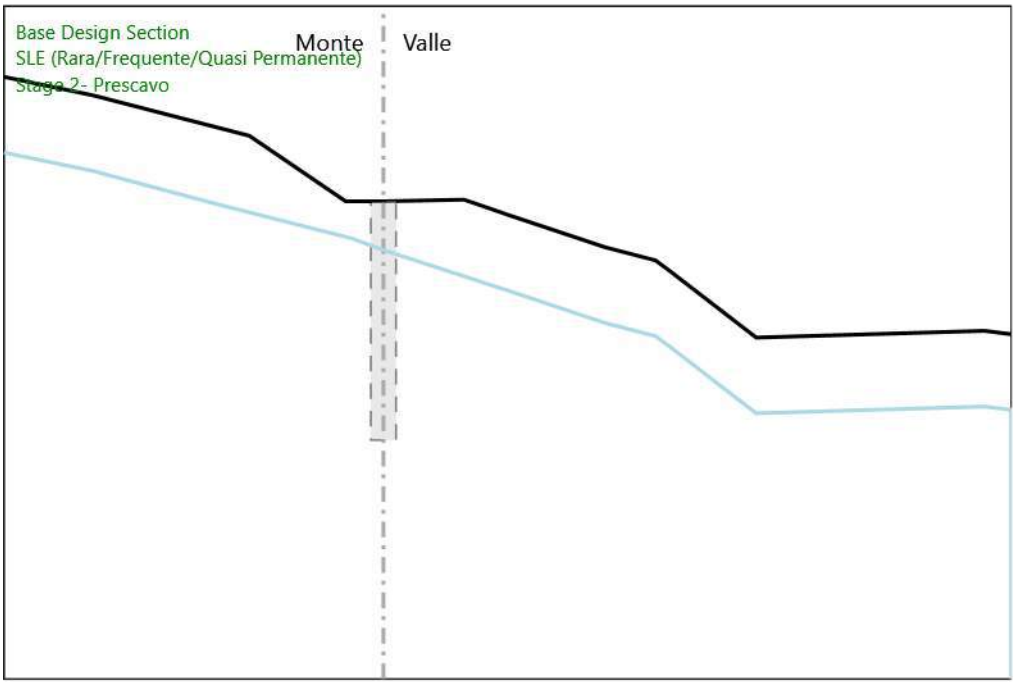
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Sismica
Momento

6.1.29. Grafico Risultati Taglio SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 1



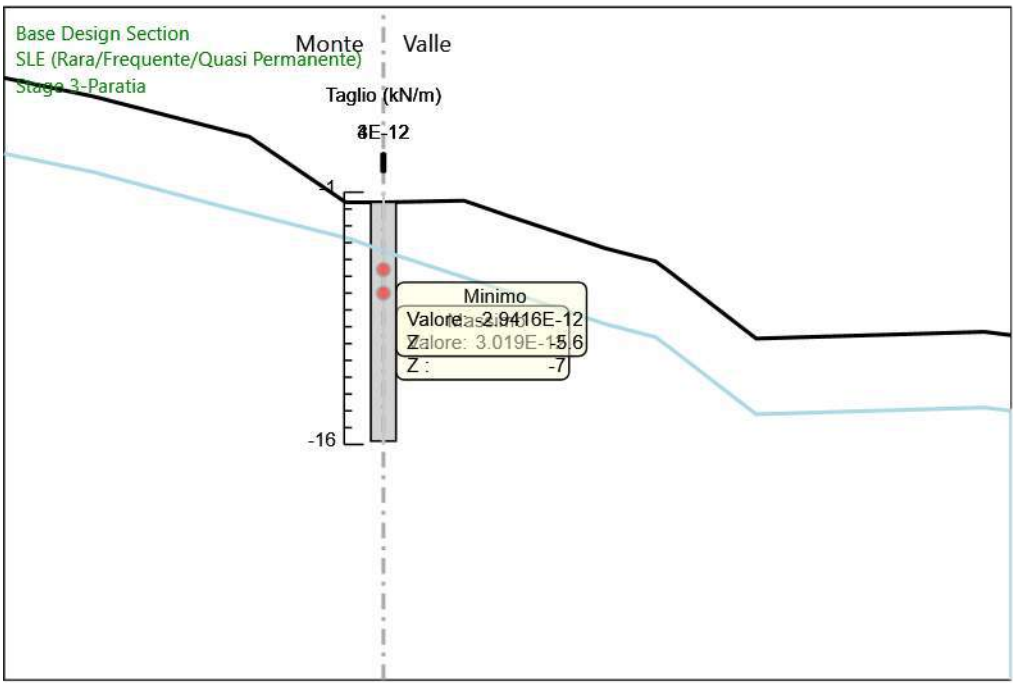
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 1
Taglio

6.1.30. Grafico Risultati Taglio SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 2- Prescavo



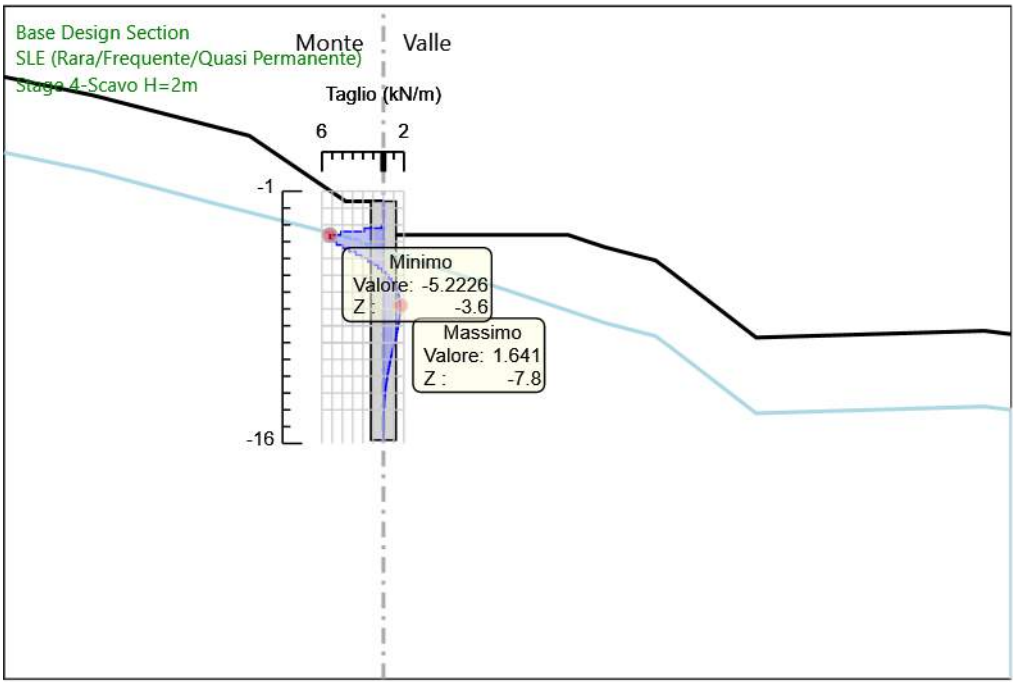
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 2- Prescavo
Taglio

6.1.31. Grafico Risultati Taglio SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 3-Paratia



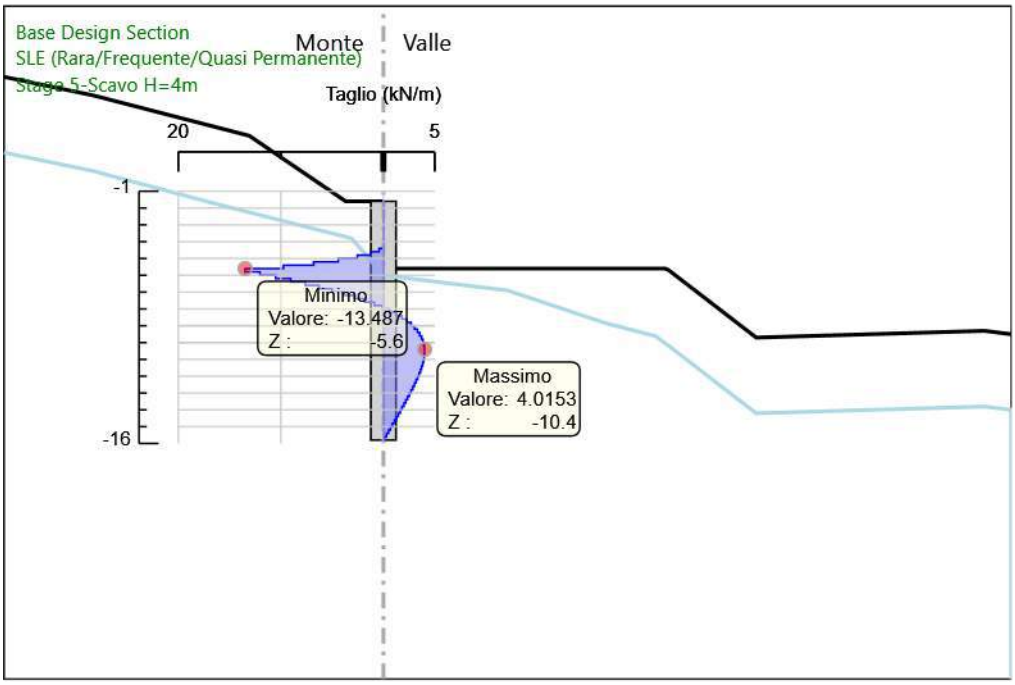
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 3-Paratia
Taglio

6.1.32. Grafico Risultati Taglio SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 4-Scavo H=2m



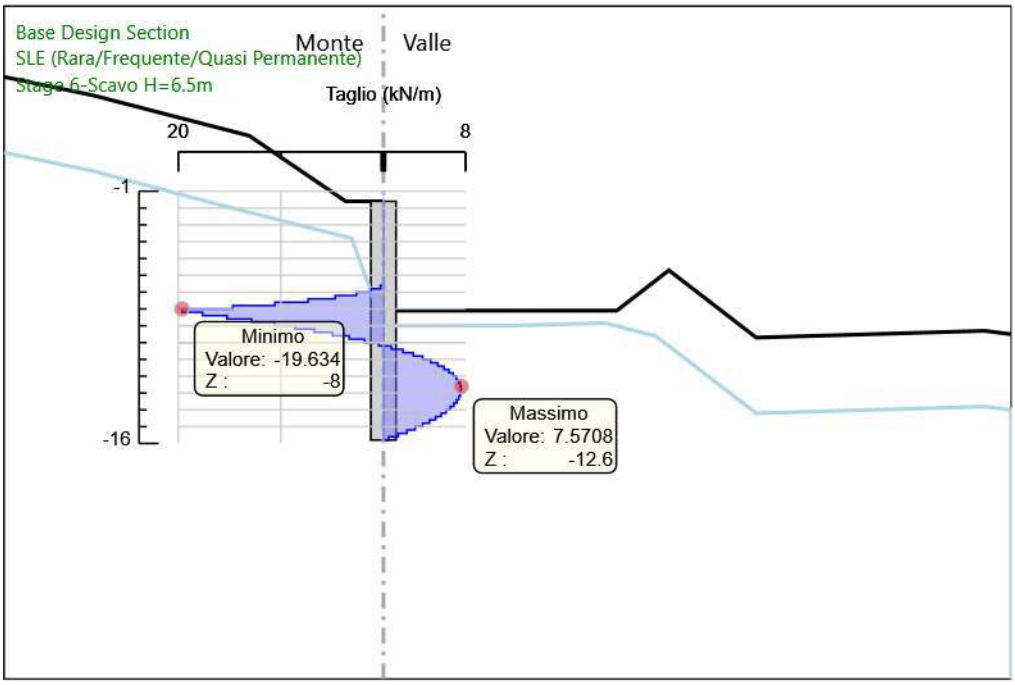
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 4-Scavo H=2m
Taglio

6.1.33. Grafico Risultati Taglio SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 5-Scavo H=4m



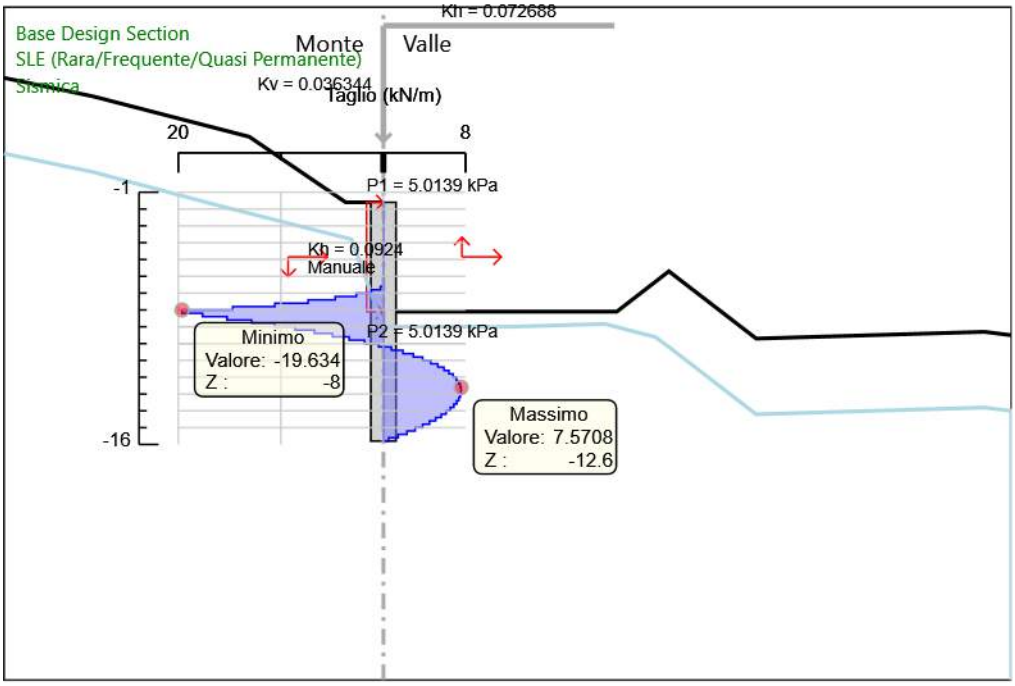
Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 5-Scavo H=4m
Taglio

6.1.34. Grafico Risultati Taglio SLE (Rara/Frequente/Quasi Permanente) - Stage: Stage 6-Scavo H=6.5m



Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Stage 6-Scavo H=6.5m
Taglio

6.1.35. Grafico Risultati Taglio SLE (Rara/Frequente/Quasi Permanente) - Stage: Sismica



Design Assumption: SLE (Rara/Frequente/Quasi Permanente)
Stage: Sismica
Taglio

6.2. Risultati A1+M1+R1 (R3 per tiranti)

6.2.1. 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	-1.6	0	0
Stage 1	-1.8	0	0
Stage 1	-2	0	0
Stage 1	-2.2	0	0
Stage 1	-2.4	0	0
Stage 1	-2.6	0	0
Stage 1	-2.8	0	0
Stage 1	-3	0	0
Stage 1	-3.2	0	0
Stage 1	-3.4	0	0
Stage 1	-3.6	0	0
Stage 1	-3.8	0	0
Stage 1	-4	0	0
Stage 1	-4.2	0	0
Stage 1	-4.4	0	0
Stage 1	-4.6	0	0
Stage 1	-4.8	0	0
Stage 1	-5	0	0
Stage 1	-5.2	0	0
Stage 1	-5.4	0	0
Stage 1	-5.6	0	0
Stage 1	-5.8	0	0
Stage 1	-6	0	0
Stage 1	-6.2	0	0
Stage 1	-6.4	0	0
Stage 1	-6.6	0	0
Stage 1	-6.8	0	0
Stage 1	-7	0	0
Stage 1	-7.2	0	0
Stage 1	-7.4	0	0
Stage 1	-7.6	0	0
Stage 1	-7.8	0	0
Stage 1	-8	0	0
Stage 1	-8.2	0	0
Stage 1	-8.4	0	0
Stage 1	-8.6	0	0
Stage 1	-8.8	0	0
Stage 1	-9	0	0
Stage 1	-9.2	0	0
Stage 1	-9.4	0	0
Stage 1	-9.6	0	0
Stage 1	-9.8	0	0
Stage 1	-10	0	0
Stage 1	-10.2	0	0
Stage 1	-10.4	0	0
Stage 1	-10.6	0	0
Stage 1	-10.8	0	0
Stage 1	-11	0	0
Stage 1	-11.2	0	0
Stage 1	-11.4	0	0
Stage 1	-11.6	0	0
Stage 1	-11.8	0	0
Stage 1	-12	0	0
Stage 1	-12.2	0	0
Stage 1	-12.4	0	0
Stage 1	-12.6	0	0
Stage 1	-12.8	0	0
Stage 1	-13	0	0
Stage 1	-13.2	0	0
Stage 1	-13.4	0	0
Stage 1	-13.6	0	0
Stage 1	-13.8	0	0
Stage 1	-14	0	0
Stage 1	-14.2	0	0

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 1	-14.4	0	0
Stage 1	-14.6	0	0
Stage 1	-14.8	0	0
Stage 1	-15	0	0
Stage 1	-15.2	0	0
Stage 1	-15.4	0	0
Stage 1	-15.6	0	0
Stage 1	-15.8	0	0

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

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2- Prescavo	-1.6	0	0
Stage 2- Prescavo	-1.8	0	0
Stage 2- Prescavo	-2	0	0
Stage 2- Prescavo	-2.2	0	0
Stage 2- Prescavo	-2.4	0	0
Stage 2- Prescavo	-2.6	0	0
Stage 2- Prescavo	-2.8	0	0
Stage 2- Prescavo	-3	0	0
Stage 2- Prescavo	-3.2	0	0
Stage 2- Prescavo	-3.4	0	0
Stage 2- Prescavo	-3.6	0	0
Stage 2- Prescavo	-3.8	0	0
Stage 2- Prescavo	-4	0	0
Stage 2- Prescavo	-4.2	0	0
Stage 2- Prescavo	-4.4	0	0
Stage 2- Prescavo	-4.6	0	0
Stage 2- Prescavo	-4.8	0	0
Stage 2- Prescavo	-5	0	0
Stage 2- Prescavo	-5.2	0	0
Stage 2- Prescavo	-5.4	0	0
Stage 2- Prescavo	-5.6	0	0
Stage 2- Prescavo	-5.8	0	0
Stage 2- Prescavo	-6	0	0
Stage 2- Prescavo	-6.2	0	0
Stage 2- Prescavo	-6.4	0	0
Stage 2- Prescavo	-6.6	0	0
Stage 2- Prescavo	-6.8	0	0
Stage 2- Prescavo	-7	0	0
Stage 2- Prescavo	-7.2	0	0
Stage 2- Prescavo	-7.4	0	0
Stage 2- Prescavo	-7.6	0	0
Stage 2- Prescavo	-7.8	0	0
Stage 2- Prescavo	-8	0	0
Stage 2- Prescavo	-8.2	0	0
Stage 2- Prescavo	-8.4	0	0
Stage 2- Prescavo	-8.6	0	0
Stage 2- Prescavo	-8.8	0	0
Stage 2- Prescavo	-9	0	0
Stage 2- Prescavo	-9.2	0	0
Stage 2- Prescavo	-9.4	0	0
Stage 2- Prescavo	-9.6	0	0
Stage 2- Prescavo	-9.8	0	0
Stage 2- Prescavo	-10	0	0
Stage 2- Prescavo	-10.2	0	0
Stage 2- Prescavo	-10.4	0	0
Stage 2- Prescavo	-10.6	0	0
Stage 2- Prescavo	-10.8	0	0
Stage 2- Prescavo	-11	0	0
Stage 2- Prescavo	-11.2	0	0
Stage 2- Prescavo	-11.4	0	0
Stage 2- Prescavo	-11.6	0	0
Stage 2- Prescavo	-11.8	0	0
Stage 2- Prescavo	-12	0	0
Stage 2- Prescavo	-12.2	0	0
Stage 2- Prescavo	-12.4	0	0
Stage 2- Prescavo	-12.6	0	0
Stage 2- Prescavo	-12.8	0	0
Stage 2- Prescavo	-13	0	0
Stage 2- Prescavo	-13.2	0	0
Stage 2- Prescavo	-13.4	0	0
Stage 2- Prescavo	-13.6	0	0
Stage 2- Prescavo	-13.8	0	0
Stage 2- Prescavo	-14	0	0
Stage 2- Prescavo	-14.2	0	0
Stage 2- Prescavo	-14.4	0	0
Stage 2- Prescavo	-14.6	0	0
Stage 2- Prescavo	-14.8	0	0

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 2- Prescavo	-15	0	0
Stage 2- Prescavo	-15.2	0	0
Stage 2- Prescavo	-15.4	0	0
Stage 2- Prescavo	-15.6	0	0
Stage 2- Prescavo	-15.8	0	0

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

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-1.6	0	0
Stage 3-Paratia	-1.8	0	0
Stage 3-Paratia	-2	0	0
Stage 3-Paratia	-2.2	0	0
Stage 3-Paratia	-2.4	0	0
Stage 3-Paratia	-2.6	0	0
Stage 3-Paratia	-2.8	0	0
Stage 3-Paratia	-3	0	0
Stage 3-Paratia	-3.2	0	0
Stage 3-Paratia	-3.4	0	0
Stage 3-Paratia	-3.6	0	0
Stage 3-Paratia	-3.8	0	0
Stage 3-Paratia	-4	0	0
Stage 3-Paratia	-4.2	0	0
Stage 3-Paratia	-4.2	0	0
Stage 3-Paratia	-4.4	0	0
Stage 3-Paratia	-4.4	0	0
Stage 3-Paratia	-4.6	0	0
Stage 3-Paratia	-4.6	0	0
Stage 3-Paratia	-4.8	0	0
Stage 3-Paratia	-4.8	0	0
Stage 3-Paratia	-5	0	0
Stage 3-Paratia	-5	0	0
Stage 3-Paratia	-5.2	0	0
Stage 3-Paratia	-5.2	0	0
Stage 3-Paratia	-5.4	0	0
Stage 3-Paratia	-5.4	0	0
Stage 3-Paratia	-5.6	0	0
Stage 3-Paratia	-5.6	0	0
Stage 3-Paratia	-5.8	0	0
Stage 3-Paratia	-5.8	0	0
Stage 3-Paratia	-6	0	0
Stage 3-Paratia	-6	0	0
Stage 3-Paratia	-6.2	0	0
Stage 3-Paratia	-6.2	0	0
Stage 3-Paratia	-6.4	0	0
Stage 3-Paratia	-6.4	0	0
Stage 3-Paratia	-6.6	0	0
Stage 3-Paratia	-6.6	0	0
Stage 3-Paratia	-6.8	0	0
Stage 3-Paratia	-6.8	0	0
Stage 3-Paratia	-7	0	0
Stage 3-Paratia	-7	0	0
Stage 3-Paratia	-7.2	0	0
Stage 3-Paratia	-7.2	0	0
Stage 3-Paratia	-7.4	0	0
Stage 3-Paratia	-7.4	0	0
Stage 3-Paratia	-7.6	0	0
Stage 3-Paratia	-7.6	0	0
Stage 3-Paratia	-7.8	0	0
Stage 3-Paratia	-7.8	0	0
Stage 3-Paratia	-8	0	0
Stage 3-Paratia	-8	0	0
Stage 3-Paratia	-8.2	0	0
Stage 3-Paratia	-8.2	0	0
Stage 3-Paratia	-8.4	0	0
Stage 3-Paratia	-8.4	0	0
Stage 3-Paratia	-8.6	0	0
Stage 3-Paratia	-8.6	0	0
Stage 3-Paratia	-8.8	0	0
Stage 3-Paratia	-8.8	0	0
Stage 3-Paratia	-9	0	0
Stage 3-Paratia	-9	0	0
Stage 3-Paratia	-9.2	0	0
Stage 3-Paratia	-9.2	0	0
Stage 3-Paratia	-9.4	0	0
Stage 3-Paratia	-9.4	0	0

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-9.6	0	0
Stage 3-Paratia	-9.6	0	0
Stage 3-Paratia	-9.8	0	0
Stage 3-Paratia	-9.8	0	0
Stage 3-Paratia	-10	0	0
Stage 3-Paratia	-10	0	0
Stage 3-Paratia	-10.2	0	0
Stage 3-Paratia	-10.2	0	0
Stage 3-Paratia	-10.4	0	0
Stage 3-Paratia	-10.4	0	0
Stage 3-Paratia	-10.6	0	0
Stage 3-Paratia	-10.6	0	0
Stage 3-Paratia	-10.8	0	0
Stage 3-Paratia	-10.8	0	0
Stage 3-Paratia	-11	0	0
Stage 3-Paratia	-11	0	0
Stage 3-Paratia	-11.2	0	0
Stage 3-Paratia	-11.2	0	0
Stage 3-Paratia	-11.4	0	0
Stage 3-Paratia	-11.4	0	0
Stage 3-Paratia	-11.6	0	0
Stage 3-Paratia	-11.6	0	0
Stage 3-Paratia	-11.8	0	0
Stage 3-Paratia	-11.8	0	0
Stage 3-Paratia	-12	0	0
Stage 3-Paratia	-12	0	0
Stage 3-Paratia	-12.2	0	0
Stage 3-Paratia	-12.2	0	0
Stage 3-Paratia	-12.4	0	0
Stage 3-Paratia	-12.4	0	0
Stage 3-Paratia	-12.6	0	0
Stage 3-Paratia	-12.6	0	0
Stage 3-Paratia	-12.8	0	0
Stage 3-Paratia	-12.8	0	0
Stage 3-Paratia	-13	0	0
Stage 3-Paratia	-13	0	0
Stage 3-Paratia	-13.2	0	0
Stage 3-Paratia	-13.2	0	0
Stage 3-Paratia	-13.4	0	0
Stage 3-Paratia	-13.4	0	0
Stage 3-Paratia	-13.6	0	0
Stage 3-Paratia	-13.6	0	0
Stage 3-Paratia	-13.8	0	0
Stage 3-Paratia	-13.8	0	0
Stage 3-Paratia	-14	0	0
Stage 3-Paratia	-14	0	0
Stage 3-Paratia	-14.2	0	0
Stage 3-Paratia	-14.2	0	0
Stage 3-Paratia	-14.4	0	0
Stage 3-Paratia	-14.4	0	0
Stage 3-Paratia	-14.6	0	0
Stage 3-Paratia	-14.6	0	0
Stage 3-Paratia	-14.8	0	0
Stage 3-Paratia	-14.8	0	0
Stage 3-Paratia	-15	0	0
Stage 3-Paratia	-15	0	0
Stage 3-Paratia	-15.2	0	0
Stage 3-Paratia	-15.2	0	0
Stage 3-Paratia	-15.4	0	0
Stage 3-Paratia	-15.4	0	0
Stage 3-Paratia	-15.6	0	0
Stage 3-Paratia	-15.6	0	0
Stage 3-Paratia	-15.8	0	0

6.2.4. Tabella Risultati Paratia A1+M1+R1 (R3 per tiranti) - Left Wall - Stage: Stage 4-Scavo H=2m

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=2m	-1.6	0	0
Stage 4-Scavo H=2m	-1.8	0	0
Stage 4-Scavo H=2m	-1.8	0	0
Stage 4-Scavo H=2m	-2	0	0
Stage 4-Scavo H=2m	-2	0	0
Stage 4-Scavo H=2m	-2.2	0	0
Stage 4-Scavo H=2m	-2.2	0	0
Stage 4-Scavo H=2m	-2.4	0	0
Stage 4-Scavo H=2m	-2.4	0	0
Stage 4-Scavo H=2m	-2.6	0	0
Stage 4-Scavo H=2m	-2.6	0	0
Stage 4-Scavo H=2m	-2.8	0	0
Stage 4-Scavo H=2m	-2.8	0	0
Stage 4-Scavo H=2m	-3	0	0
Stage 4-Scavo H=2m	-3	0	0
Stage 4-Scavo H=2m	-3.2	-0.05	-0.25
Stage 4-Scavo H=2m	-3.4	-0.54	-2.45
Stage 4-Scavo H=2m	-3.6	-1.61	-5.37
Stage 4-Scavo H=2m	-3.8	-2.97	-6.79
Stage 4-Scavo H=2m	-4	-4.28	-6.53
Stage 4-Scavo H=2m	-4.2	-5.46	-5.92
Stage 4-Scavo H=2m	-4.4	-6.5	-5.16
Stage 4-Scavo H=2m	-4.6	-7.36	-4.34
Stage 4-Scavo H=2m	-4.8	-8.06	-3.49
Stage 4-Scavo H=2m	-5	-8.6	-2.69
Stage 4-Scavo H=2m	-5.2	-8.99	-1.95
Stage 4-Scavo H=2m	-5.4	-9.25	-1.29
Stage 4-Scavo H=2m	-5.6	-9.39	-0.7
Stage 4-Scavo H=2m	-5.8	-9.42	-0.17
Stage 4-Scavo H=2m	-6	-9.36	0.29
Stage 4-Scavo H=2m	-6.2	-9.22	0.69
Stage 4-Scavo H=2m	-6.4	-9.02	1.03
Stage 4-Scavo H=2m	-6.6	-8.75	1.32
Stage 4-Scavo H=2m	-6.8	-8.44	1.56
Stage 4-Scavo H=2m	-7	-8.09	1.74
Stage 4-Scavo H=2m	-7.2	-7.71	1.89
Stage 4-Scavo H=2m	-7.4	-7.31	2
Stage 4-Scavo H=2m	-7.6	-6.9	2.07
Stage 4-Scavo H=2m	-7.8	-6.48	2.12
Stage 4-Scavo H=2m	-8	-6.05	2.13
Stage 4-Scavo H=2m	-8.2	-5.62	2.13
Stage 4-Scavo H=2m	-8.4	-5.2	2.1
Stage 4-Scavo H=2m	-8.6	-4.79	2.05
Stage 4-Scavo H=2m	-8.8	-4.4	1.99
Stage 4-Scavo H=2m	-9	-4.01	1.92
Stage 4-Scavo H=2m	-9.2	-3.64	1.84
Stage 4-Scavo H=2m	-9.4	-3.29	1.75
Stage 4-Scavo H=2m	-9.6	-2.96	1.66
Stage 4-Scavo H=2m	-9.8	-2.65	1.56
Stage 4-Scavo H=2m	-10	-2.36	1.46
Stage 4-Scavo H=2m	-10.2	-2.09	1.36
Stage 4-Scavo H=2m	-10.4	-1.84	1.25
Stage 4-Scavo H=2m	-10.6	-1.61	1.15
Stage 4-Scavo H=2m	-10.8	-1.4	1.06
Stage 4-Scavo H=2m	-11	-1.2	0.96
Stage 4-Scavo H=2m	-11.2	-1.03	0.87
Stage 4-Scavo H=2m	-11.4	-0.87	0.78
Stage 4-Scavo H=2m	-11.6	-0.73	0.7
Stage 4-Scavo H=2m	-11.8	-0.61	0.62
Stage 4-Scavo H=2m	-12	-0.5	0.54
Stage 4-Scavo H=2m	-12.2	-0.41	0.47
Stage 4-Scavo H=2m	-12.4	-0.33	0.41
Stage 4-Scavo H=2m	-12.6	-0.25	0.35
Stage 4-Scavo H=2m	-12.8	-0.2	0.3
Stage 4-Scavo H=2m	-13	-0.15	0.25
Stage 4-Scavo H=2m	-13.2	-0.11	0.2
Stage 4-Scavo H=2m	-13.4	-0.07	0.16

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 4-Scavo H=2m	-13.6	-0.05	0.13
Stage 4-Scavo H=2m	-13.8	-0.03	0.1
Stage 4-Scavo H=2m	-14	-0.01	0.07
Stage 4-Scavo H=2m	-14.2	0	0.05
Stage 4-Scavo H=2m	-14.4	0	0.03
Stage 4-Scavo H=2m	-14.6	0.01	0.02
Stage 4-Scavo H=2m	-14.8	0.01	0
Stage 4-Scavo H=2m	-15	0.01	0
Stage 4-Scavo H=2m	-15.2	0	-0.01
Stage 4-Scavo H=2m	-15.4	0	-0.01
Stage 4-Scavo H=2m	-15.6	0	-0.01
Stage 4-Scavo H=2m	-15.8	0	0

6.2.5. Tabella Risultati Paratia A1+M1+R1 (R3 per tiranti) - Left Wall - Stage: Stage 5-Scavo H=4m

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=4m	-1.6	0	0
Stage 5-Scavo H=4m	-1.8	0	0
Stage 5-Scavo H=4m	-1.8	0	0
Stage 5-Scavo H=4m	-2	0	0
Stage 5-Scavo H=4m	-2	0	0
Stage 5-Scavo H=4m	-2.2	0	0
Stage 5-Scavo H=4m	-2.2	0	0
Stage 5-Scavo H=4m	-2.4	0	0
Stage 5-Scavo H=4m	-2.4	0	0
Stage 5-Scavo H=4m	-2.6	0	0
Stage 5-Scavo H=4m	-2.6	0	0
Stage 5-Scavo H=4m	-2.8	0	0
Stage 5-Scavo H=4m	-2.8	0	0
Stage 5-Scavo H=4m	-3	0	0
Stage 5-Scavo H=4m	-3	0	0
Stage 5-Scavo H=4m	-3.2	0	0
Stage 5-Scavo H=4m	-3.2	0	0
Stage 5-Scavo H=4m	-3.4	0	0
Stage 5-Scavo H=4m	-3.4	0	0
Stage 5-Scavo H=4m	-3.6	0	0
Stage 5-Scavo H=4m	-3.6	0	0
Stage 5-Scavo H=4m	-3.8	0	0
Stage 5-Scavo H=4m	-3.8	0	0
Stage 5-Scavo H=4m	-4	0	0
Stage 5-Scavo H=4m	-4	0	0
Stage 5-Scavo H=4m	-4.2	0	0
Stage 5-Scavo H=4m	-4.2	0	0
Stage 5-Scavo H=4m	-4.4	0	0
Stage 5-Scavo H=4m	-4.4	0	0
Stage 5-Scavo H=4m	-4.6	-0.11	-0.55
Stage 5-Scavo H=4m	-4.8	-0.43	-1.61
Stage 5-Scavo H=4m	-5	-1.09	-3.31
Stage 5-Scavo H=4m	-5.2	-2.24	-5.72
Stage 5-Scavo H=4m	-5.4	-4.01	-8.84
Stage 5-Scavo H=4m	-5.6	-6.54	-12.66
Stage 5-Scavo H=4m	-5.8	-10.04	-17.53
Stage 5-Scavo H=4m	-6	-13.17	-15.65
Stage 5-Scavo H=4m	-6.2	-15.91	-13.66
Stage 5-Scavo H=4m	-6.4	-18.26	-11.75
Stage 5-Scavo H=4m	-6.6	-20.24	-9.9
Stage 5-Scavo H=4m	-6.8	-21.87	-8.16
Stage 5-Scavo H=4m	-7	-23.17	-6.52
Stage 5-Scavo H=4m	-7.2	-24.17	-5
Stage 5-Scavo H=4m	-7.4	-24.89	-3.6
Stage 5-Scavo H=4m	-7.6	-25.36	-2.32
Stage 5-Scavo H=4m	-7.8	-25.59	-1.16
Stage 5-Scavo H=4m	-8	-25.61	-0.12
Stage 5-Scavo H=4m	-8.2	-25.45	0.81
Stage 5-Scavo H=4m	-8.4	-25.13	1.63
Stage 5-Scavo H=4m	-8.6	-24.66	2.35
Stage 5-Scavo H=4m	-8.8	-24.06	2.97
Stage 5-Scavo H=4m	-9	-23.36	3.5
Stage 5-Scavo H=4m	-9.2	-22.57	3.95
Stage 5-Scavo H=4m	-9.4	-21.71	4.32
Stage 5-Scavo H=4m	-9.6	-20.79	4.61
Stage 5-Scavo H=4m	-9.8	-19.82	4.84
Stage 5-Scavo H=4m	-10	-18.82	5.01
Stage 5-Scavo H=4m	-10.2	-17.79	5.13
Stage 5-Scavo H=4m	-10.4	-16.75	5.2
Stage 5-Scavo H=4m	-10.6	-15.71	5.22
Stage 5-Scavo H=4m	-10.8	-14.67	5.2
Stage 5-Scavo H=4m	-11	-13.63	5.15
Stage 5-Scavo H=4m	-11.2	-12.62	5.07
Stage 5-Scavo H=4m	-11.4	-11.63	4.97
Stage 5-Scavo H=4m	-11.6	-10.66	4.84
Stage 5-Scavo H=4m	-11.8	-9.72	4.69
Stage 5-Scavo H=4m	-12	-8.82	4.52

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=4m	-12.2	-7.95	4.34
Stage 5-Scavo H=4m	-12.4	-7.12	4.15
Stage 5-Scavo H=4m	-12.6	-6.33	3.94
Stage 5-Scavo H=4m	-12.8	-5.59	3.73
Stage 5-Scavo H=4m	-13	-4.88	3.51
Stage 5-Scavo H=4m	-13.2	-4.22	3.29
Stage 5-Scavo H=4m	-13.4	-3.61	3.06
Stage 5-Scavo H=4m	-13.6	-3.04	2.83
Stage 5-Scavo H=4m	-13.8	-2.53	2.6
Stage 5-Scavo H=4m	-14	-2.05	2.36
Stage 5-Scavo H=4m	-14.2	-1.63	2.12
Stage 5-Scavo H=4m	-14.4	-1.25	1.88
Stage 5-Scavo H=4m	-14.6	-0.92	1.64
Stage 5-Scavo H=4m	-14.8	-0.64	1.4
Stage 5-Scavo H=4m	-15	-0.41	1.15
Stage 5-Scavo H=4m	-15.2	-0.23	0.9
Stage 5-Scavo H=4m	-15.4	-0.1	0.65
Stage 5-Scavo H=4m	-15.6	-0.03	0.39
Stage 5-Scavo H=4m	-15.8	0	0.13

6.2.6. Tabella Risultati Paratia A1+M1+R1 (R3 per tiranti) - Left Wall - Stage: Stage 6-Scavo H=6.5m

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=6.5m	-1.6	0	0
Stage 6-Scavo H=6.5m	-1.8	0	0
Stage 6-Scavo H=6.5m	-1.8	0	0
Stage 6-Scavo H=6.5m	-2	0	0
Stage 6-Scavo H=6.5m	-2	0	0
Stage 6-Scavo H=6.5m	-2.2	0	0
Stage 6-Scavo H=6.5m	-2.2	0	0
Stage 6-Scavo H=6.5m	-2.4	0	0
Stage 6-Scavo H=6.5m	-2.4	0	0
Stage 6-Scavo H=6.5m	-2.6	0	0
Stage 6-Scavo H=6.5m	-2.6	0	0
Stage 6-Scavo H=6.5m	-2.8	0	0
Stage 6-Scavo H=6.5m	-2.8	0	0
Stage 6-Scavo H=6.5m	-3	0	0
Stage 6-Scavo H=6.5m	-3	0	0
Stage 6-Scavo H=6.5m	-3.2	0	0
Stage 6-Scavo H=6.5m	-3.2	0	0
Stage 6-Scavo H=6.5m	-3.4	0	0
Stage 6-Scavo H=6.5m	-3.4	0	0
Stage 6-Scavo H=6.5m	-3.6	0	0
Stage 6-Scavo H=6.5m	-3.6	0	0
Stage 6-Scavo H=6.5m	-3.8	0	0
Stage 6-Scavo H=6.5m	-3.8	0	0
Stage 6-Scavo H=6.5m	-4	0	0
Stage 6-Scavo H=6.5m	-4	0	0
Stage 6-Scavo H=6.5m	-4.2	0	0
Stage 6-Scavo H=6.5m	-4.2	0	0
Stage 6-Scavo H=6.5m	-4.4	0	0
Stage 6-Scavo H=6.5m	-4.4	0	0
Stage 6-Scavo H=6.5m	-4.6	0	0
Stage 6-Scavo H=6.5m	-4.6	0	0
Stage 6-Scavo H=6.5m	-4.8	0	0
Stage 6-Scavo H=6.5m	-4.8	0	0
Stage 6-Scavo H=6.5m	-5	0	0
Stage 6-Scavo H=6.5m	-5	0	0
Stage 6-Scavo H=6.5m	-5.2	0	0
Stage 6-Scavo H=6.5m	-5.2	0	0
Stage 6-Scavo H=6.5m	-5.4	0	0
Stage 6-Scavo H=6.5m	-5.4	0	0
Stage 6-Scavo H=6.5m	-5.6	0	0
Stage 6-Scavo H=6.5m	-5.6	0	0
Stage 6-Scavo H=6.5m	-5.8	0	0
Stage 6-Scavo H=6.5m	-5.8	0	0
Stage 6-Scavo H=6.5m	-6	0	0
Stage 6-Scavo H=6.5m	-6	0	0
Stage 6-Scavo H=6.5m	-6.2	0	0
Stage 6-Scavo H=6.5m	-6.2	0	0
Stage 6-Scavo H=6.5m	-6.4	0	0
Stage 6-Scavo H=6.5m	-6.4	0	0
Stage 6-Scavo H=6.5m	-6.6	0	0
Stage 6-Scavo H=6.5m	-6.6	0	0
Stage 6-Scavo H=6.5m	-6.8	-0.08	-0.38
Stage 6-Scavo H=6.5m	-7	-0.38	-1.53
Stage 6-Scavo H=6.5m	-7.2	-1.07	-3.44
Stage 6-Scavo H=6.5m	-7.4	-2.29	-6.11
Stage 6-Scavo H=6.5m	-7.6	-4.2	-9.54
Stage 6-Scavo H=6.5m	-7.8	-6.95	-13.76
Stage 6-Scavo H=6.5m	-8	-10.77	-19.09
Stage 6-Scavo H=6.5m	-8.2	-15.88	-25.52
Stage 6-Scavo H=6.5m	-8.4	-20.46	-22.92
Stage 6-Scavo H=6.5m	-8.6	-24.42	-19.82
Stage 6-Scavo H=6.5m	-8.8	-27.76	-16.71
Stage 6-Scavo H=6.5m	-9	-30.52	-13.79
Stage 6-Scavo H=6.5m	-9.2	-32.76	-11.18
Stage 6-Scavo H=6.5m	-9.4	-34.51	-8.74

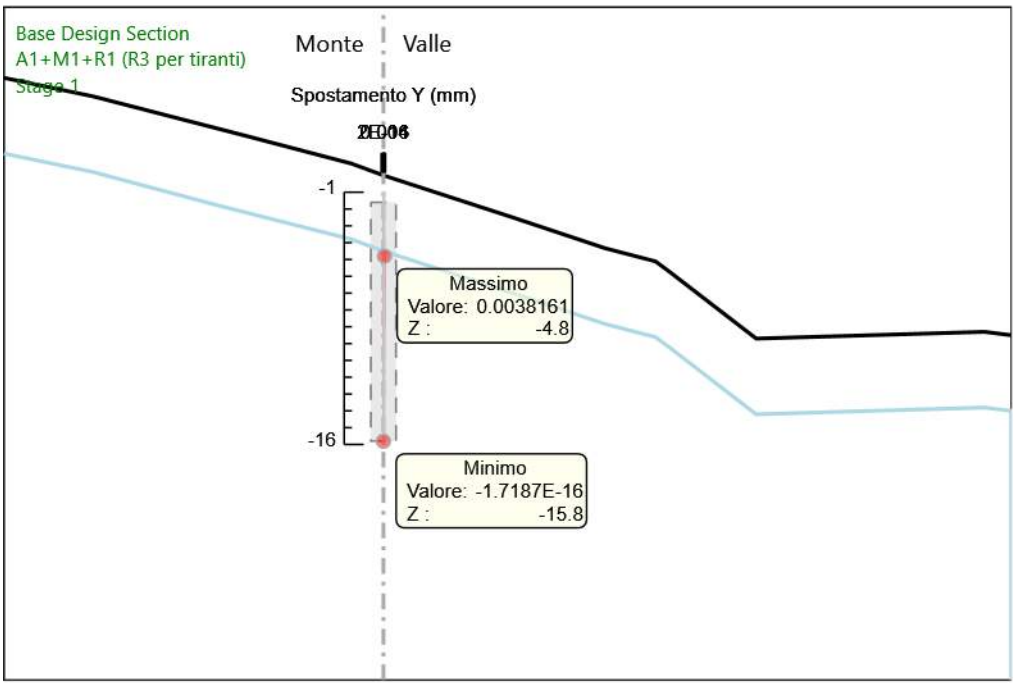
Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=6.5m	-9.6	-35.8	-6.46
Stage 6-Scavo H=6.5m	-9.8	-36.67	-4.34
Stage 6-Scavo H=6.5m	-10	-37.14	-2.39
Stage 6-Scavo H=6.5m	-10.2	-37.27	-0.61
Stage 6-Scavo H=6.5m	-10.4	-37.06	1.01
Stage 6-Scavo H=6.5m	-10.6	-36.57	2.48
Stage 6-Scavo H=6.5m	-10.8	-35.81	3.8
Stage 6-Scavo H=6.5m	-11	-34.82	4.97
Stage 6-Scavo H=6.5m	-11.2	-33.61	6
Stage 6-Scavo H=6.5m	-11.4	-32.24	6.9
Stage 6-Scavo H=6.5m	-11.6	-30.7	7.66
Stage 6-Scavo H=6.5m	-11.8	-29.04	8.31
Stage 6-Scavo H=6.5m	-12	-27.27	8.83
Stage 6-Scavo H=6.5m	-12.2	-25.43	9.25
Stage 6-Scavo H=6.5m	-12.4	-23.52	9.55
Stage 6-Scavo H=6.5m	-12.6	-21.57	9.75
Stage 6-Scavo H=6.5m	-12.8	-19.6	9.84
Stage 6-Scavo H=6.5m	-13	-17.63	9.84
Stage 6-Scavo H=6.5m	-13.2	-15.68	9.75
Stage 6-Scavo H=6.5m	-13.4	-13.77	9.56
Stage 6-Scavo H=6.5m	-13.6	-11.91	9.28
Stage 6-Scavo H=6.5m	-13.8	-10.13	8.92
Stage 6-Scavo H=6.5m	-14	-8.43	8.47
Stage 6-Scavo H=6.5m	-14.2	-6.85	7.94
Stage 6-Scavo H=6.5m	-14.4	-5.38	7.32
Stage 6-Scavo H=6.5m	-14.6	-4.06	6.62
Stage 6-Scavo H=6.5m	-14.8	-2.89	5.83
Stage 6-Scavo H=6.5m	-15	-1.9	4.97
Stage 6-Scavo H=6.5m	-15.2	-1.1	4.01
Stage 6-Scavo H=6.5m	-15.4	-0.5	2.98
Stage 6-Scavo H=6.5m	-15.6	-0.13	1.85
Stage 6-Scavo H=6.5m	-15.8	0	0.65

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

Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sismica	-1.6	0	0
Sismica	-1.8	0	0
Sismica	-1.8	0	0
Sismica	-2	0	0
Sismica	-2	0	0
Sismica	-2.2	0	0
Sismica	-2.2	0	0
Sismica	-2.4	0	0
Sismica	-2.4	0	0
Sismica	-2.6	0	0
Sismica	-2.6	0	0
Sismica	-2.8	0	0
Sismica	-2.8	0	0
Sismica	-3	0	0
Sismica	-3	0	0
Sismica	-3.2	0	0
Sismica	-3.2	0	0
Sismica	-3.4	0	0
Sismica	-3.4	0	0
Sismica	-3.6	0	0
Sismica	-3.6	0	0
Sismica	-3.8	0	0
Sismica	-3.8	0	0
Sismica	-4	0	0
Sismica	-4	0	0
Sismica	-4.2	0	0
Sismica	-4.2	0	0
Sismica	-4.4	0	0
Sismica	-4.4	0	0
Sismica	-4.6	0	0
Sismica	-4.6	0	0
Sismica	-4.8	0	0
Sismica	-4.8	0	0
Sismica	-5	0	0
Sismica	-5	0	0
Sismica	-5.2	0	0
Sismica	-5.2	0	0
Sismica	-5.4	0	0
Sismica	-5.4	0	0
Sismica	-5.6	0	0
Sismica	-5.6	0	0
Sismica	-5.8	0	0
Sismica	-5.8	0	0
Sismica	-6	0	0
Sismica	-6	0	0
Sismica	-6.2	0	0
Sismica	-6.2	0	0
Sismica	-6.4	0	0
Sismica	-6.4	0	0
Sismica	-6.6	0	0
Sismica	-6.6	0	0
Sismica	-6.8	-0.08	-0.38
Sismica	-7	-0.38	-1.53
Sismica	-7.2	-1.07	-3.44
Sismica	-7.4	-2.29	-6.11
Sismica	-7.6	-4.2	-9.54
Sismica	-7.8	-6.95	-13.76
Sismica	-8	-10.77	-19.09
Sismica	-8.2	-15.88	-25.52
Sismica	-8.4	-20.46	-22.92
Sismica	-8.6	-24.42	-19.82
Sismica	-8.8	-27.76	-16.71
Sismica	-9	-30.52	-13.79
Sismica	-9.2	-32.76	-11.18
Sismica	-9.4	-34.51	-8.74
Sismica	-9.6	-35.8	-6.46
Sismica	-9.8	-36.67	-4.34

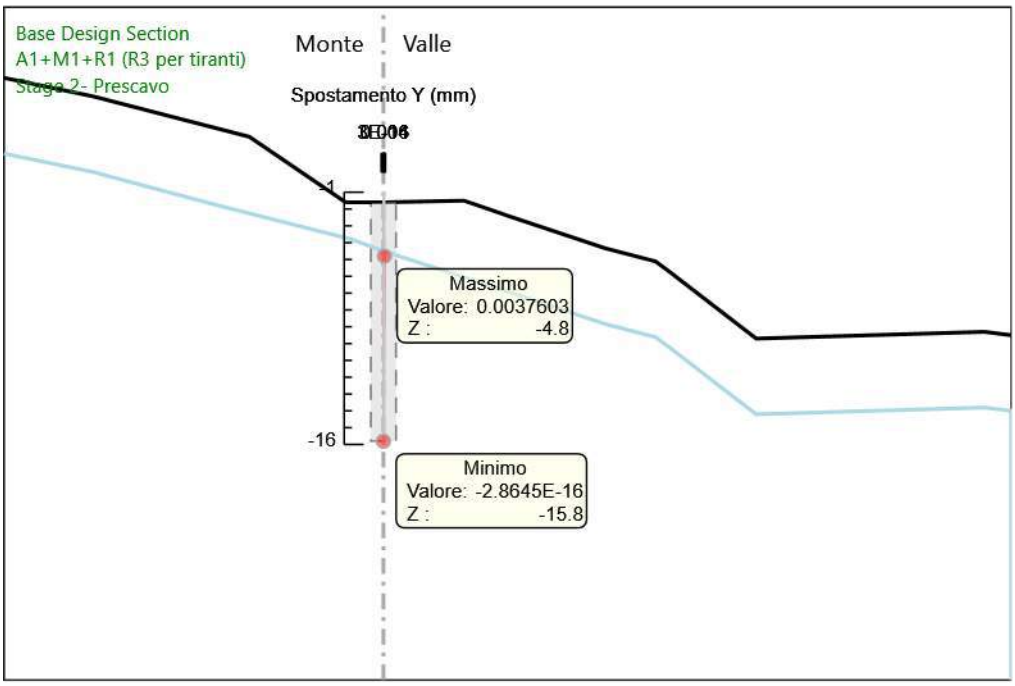
Design Assumption: A1+M1+R1 (R3 per tiranti)	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Sismica	-10	-37.14	-2.39
Sismica	-10.2	-37.27	-0.61
Sismica	-10.4	-37.06	1.01
Sismica	-10.6	-36.57	2.48
Sismica	-10.8	-35.81	3.8
Sismica	-11	-34.82	4.97
Sismica	-11.2	-33.61	6
Sismica	-11.4	-32.24	6.9
Sismica	-11.6	-30.7	7.66
Sismica	-11.8	-29.04	8.31
Sismica	-12	-27.27	8.83
Sismica	-12.2	-25.43	9.25
Sismica	-12.4	-23.52	9.55
Sismica	-12.6	-21.57	9.75
Sismica	-12.8	-19.6	9.84
Sismica	-13	-17.63	9.84
Sismica	-13.2	-15.68	9.75
Sismica	-13.4	-13.77	9.56
Sismica	-13.6	-11.91	9.28
Sismica	-13.8	-10.13	8.92
Sismica	-14	-8.43	8.47
Sismica	-14.2	-6.85	7.94
Sismica	-14.4	-5.38	7.32
Sismica	-14.6	-4.06	6.62
Sismica	-14.8	-2.89	5.83
Sismica	-15	-1.9	4.97
Sismica	-15.2	-1.1	4.01
Sismica	-15.4	-0.5	2.98
Sismica	-15.6	-0.13	1.85
Sismica	-15.8	0	0.65

6.2.8. Grafico Spostamento A1+M1+R1 (R3 per tiranti) - Stage: Stage 1



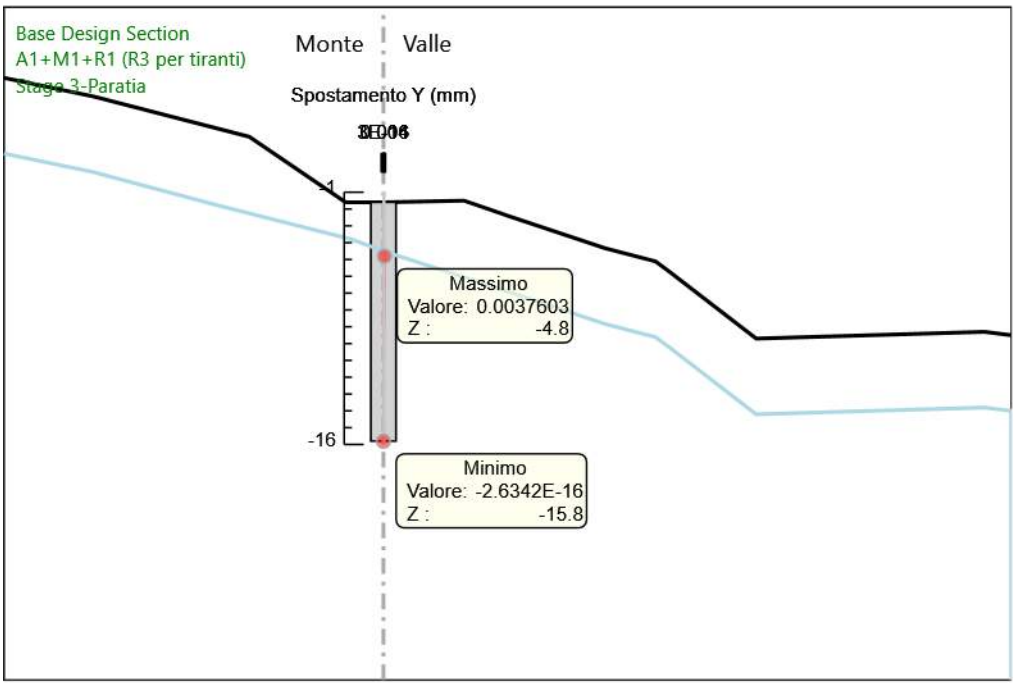
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 1
Spostamento orizzontale

6.2.9. Grafico Spostamento A1+M1+R1 (R3 per tiranti) - Stage: Stage 2- Prescavo



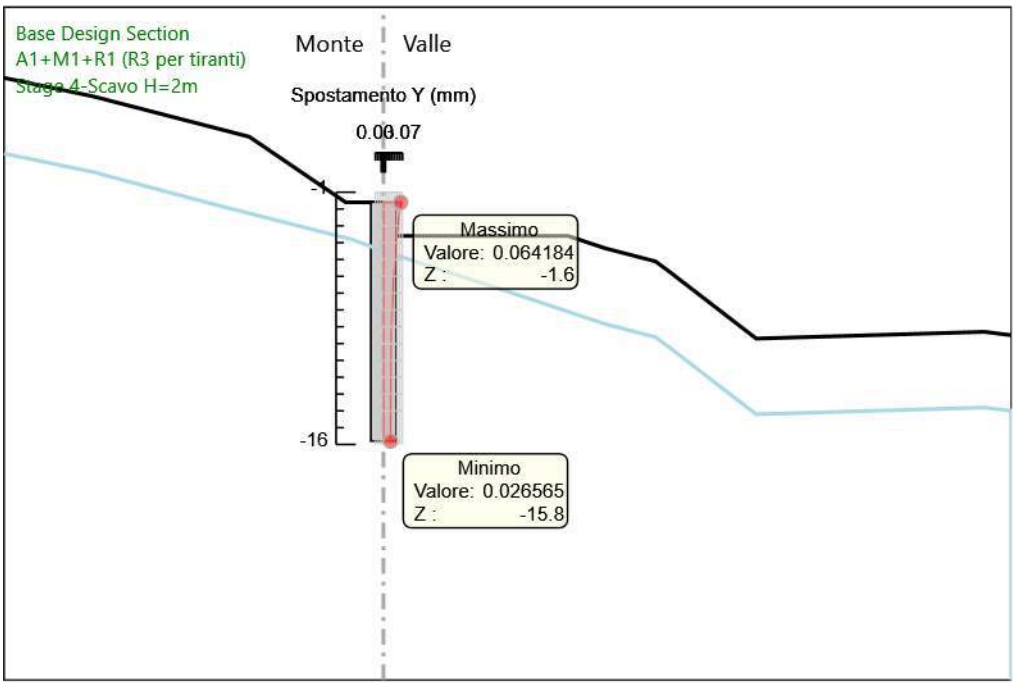
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 2- Prescavo
Spostamento orizzontale

6.2.10. Grafico Spostamento A1+M1+R1 (R3 per tiranti) - Stage: Stage 3-Paratia



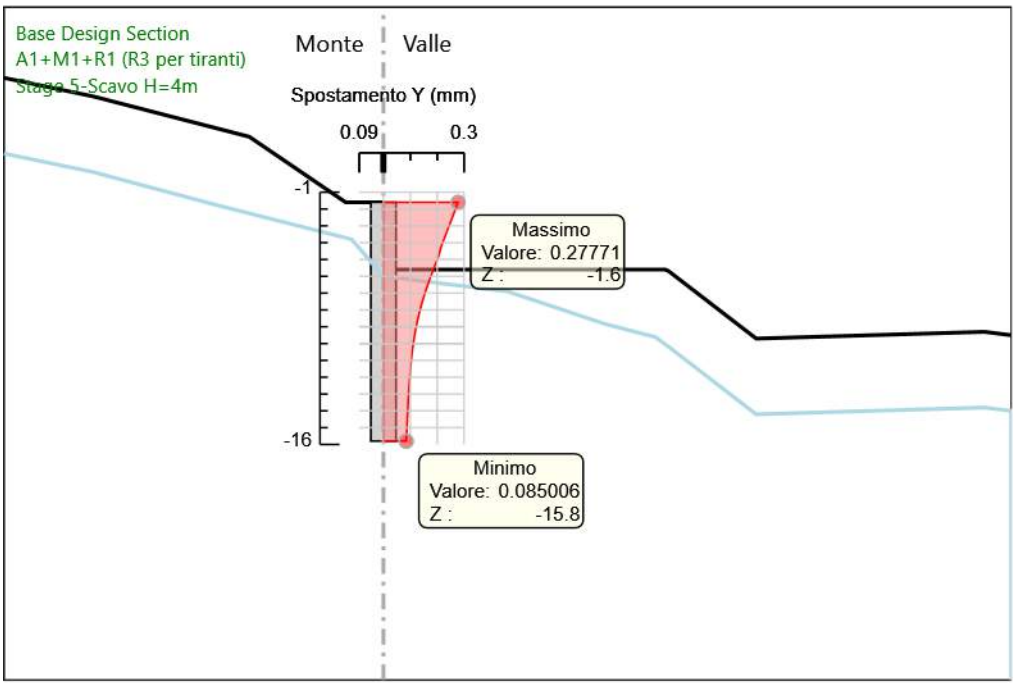
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 3-Paratia
Spostamento orizzontale

6.2.11. Grafico Spostamento A1+M1+R1 (R3 per tiranti) - Stage: Stage 4-Scavo H=2m



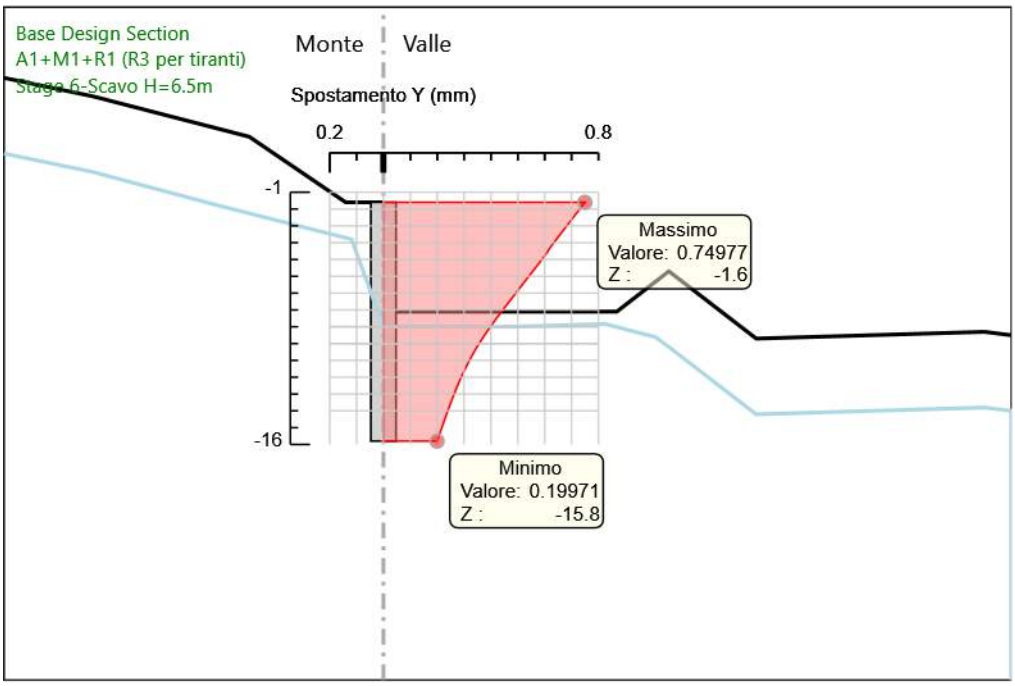
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 4-Scavo H=2m
Spostamento orizzontale

6.2.12. Grafico Spostamento A1+M1+R1 (R3 per tiranti) - Stage: Stage 5-Scavo H=4m



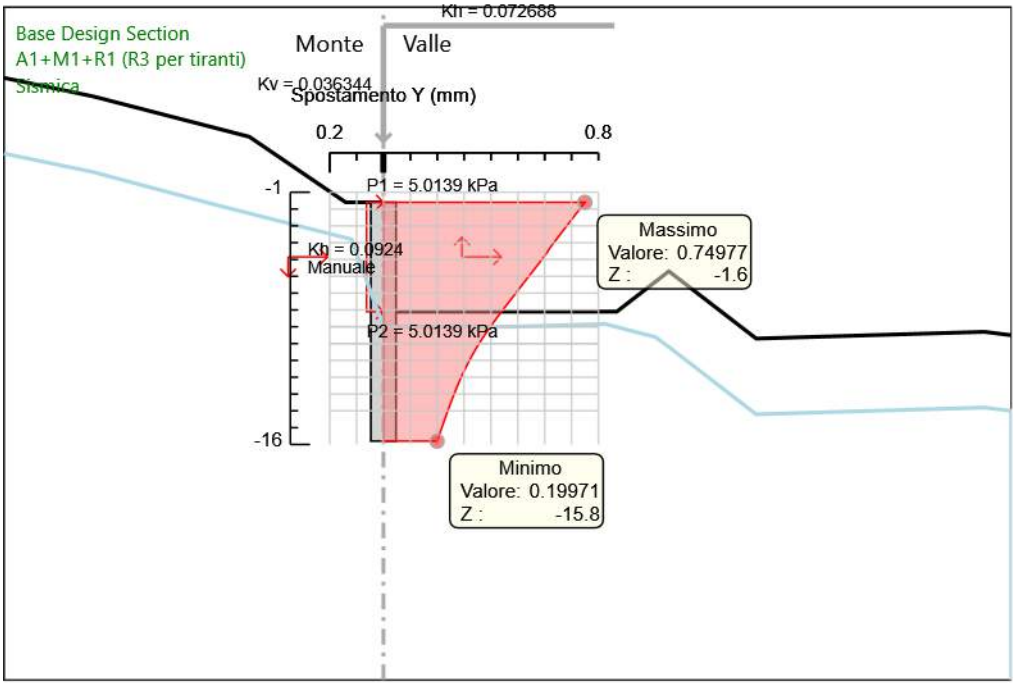
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 5-Scavo H=4m
Spostamento orizzontale

6.2.13. Grafico Spostamento A1+M1+R1 (R3 per tiranti) - Stage: Stage 6-Scavo H=6.5m



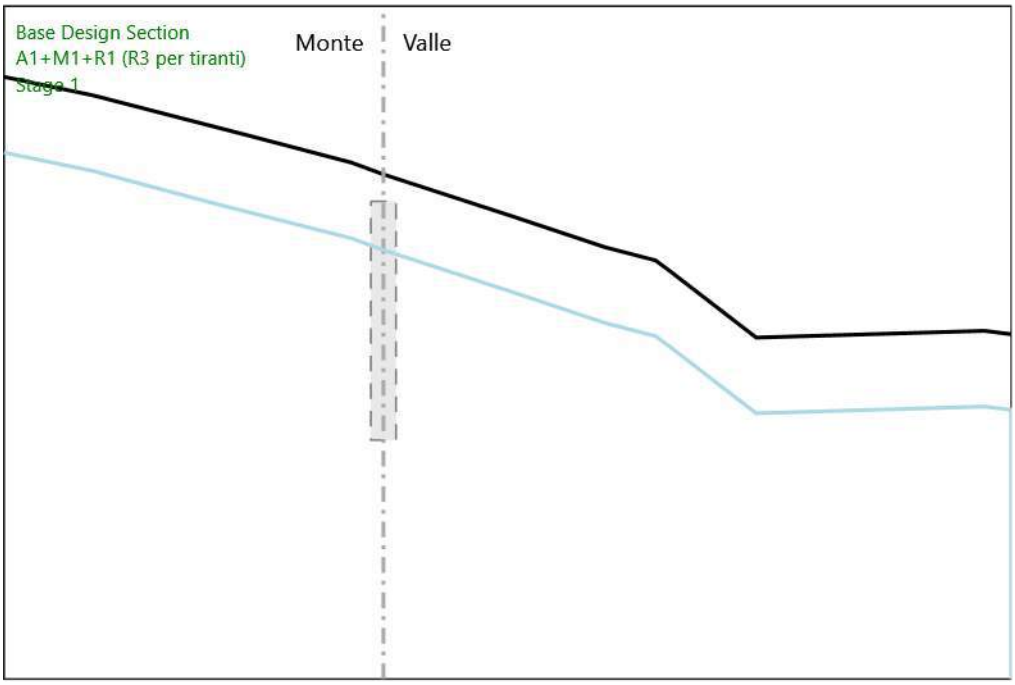
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 6-Scavo H=6.5m
Spostamento orizzontale

6.2.14. Grafico Spostamento A1+M1+R1 (R3 per tiranti) - Stage: Sismica



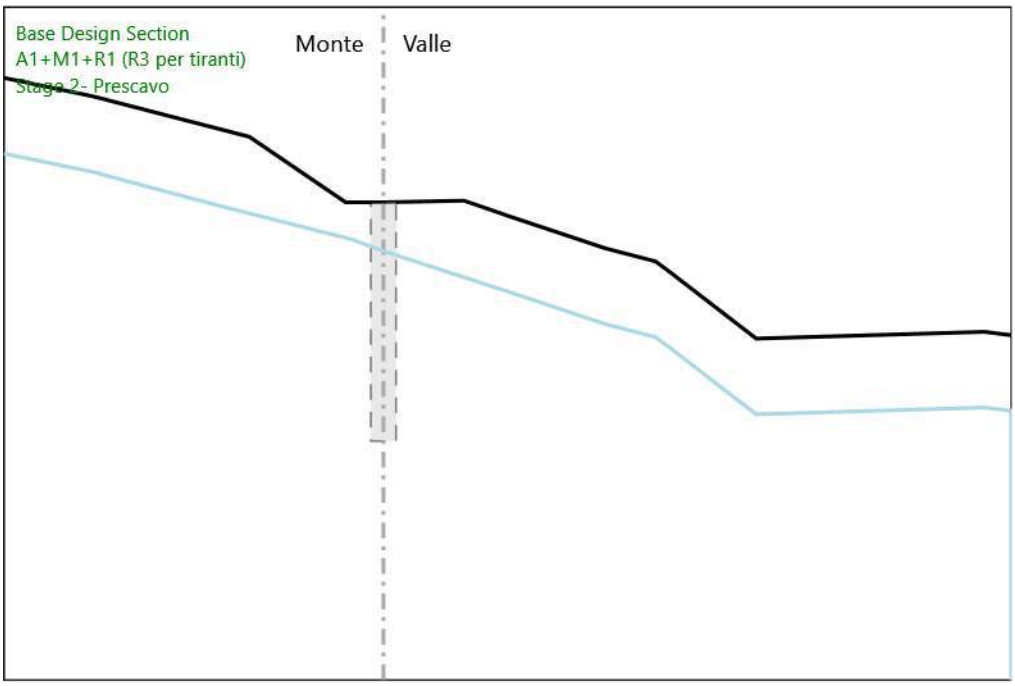
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Sismica
Spostamento orizzontale

6.2.15. Grafico Risultati Momento A1+M1+R1 (R3 per tiranti) - Stage: Stage 1



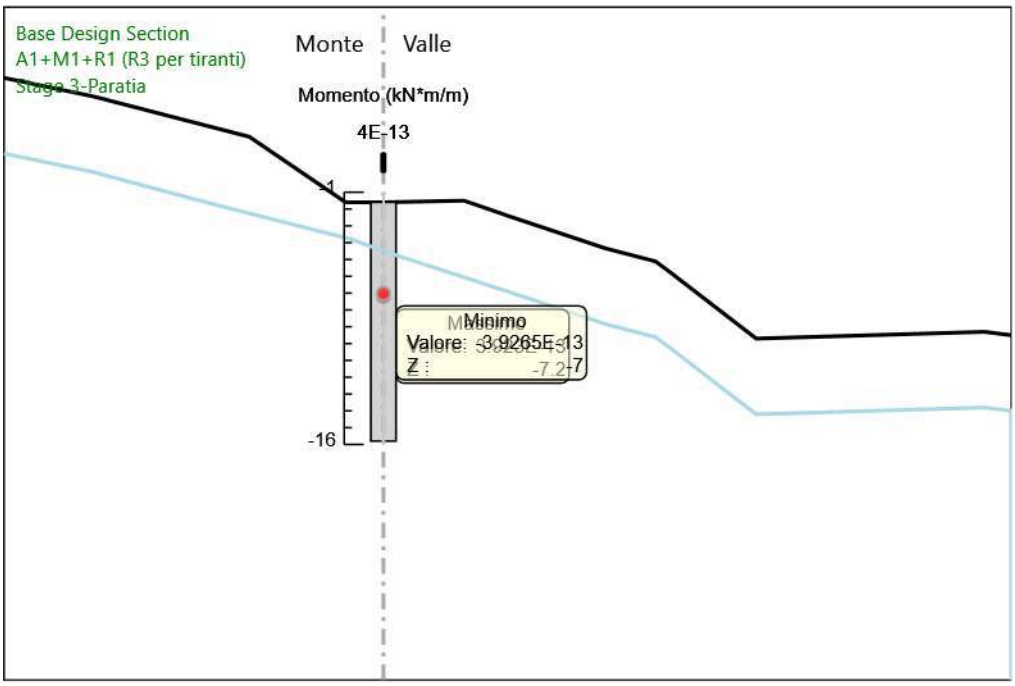
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 1
Momento

6.2.16. Grafico Risultati Momento A1+M1+R1 (R3 per tiranti) - Stage: Stage 2- Prescavo



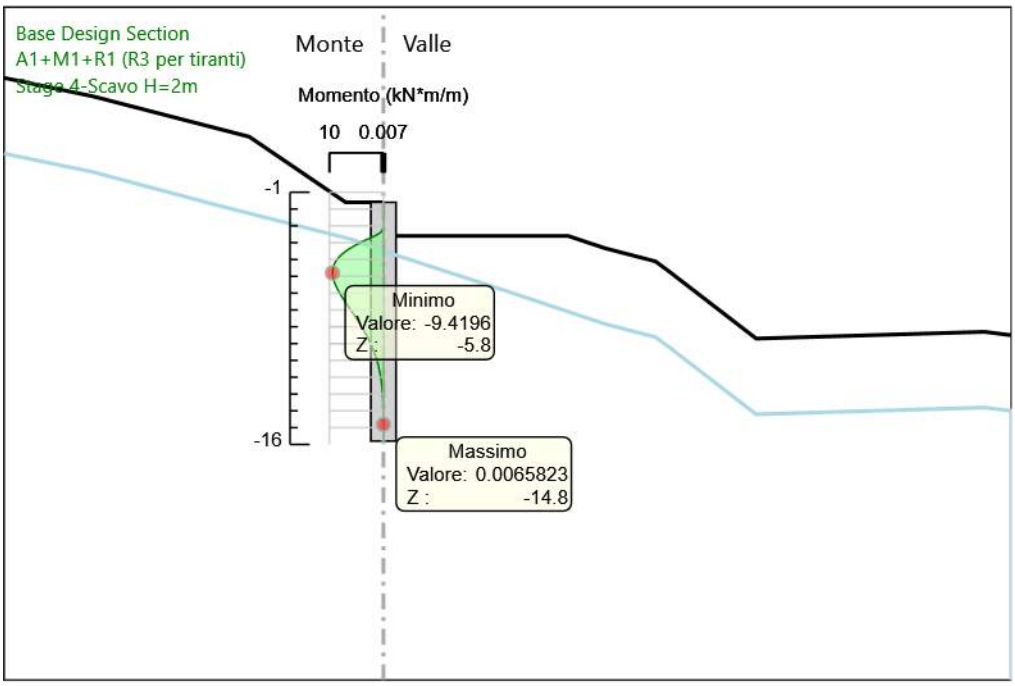
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 2- Prescavo
Momento

6.2.17. Grafico Risultati Momento A1+M1+R1 (R3 per tiranti) - Stage: Stage 3-Paratia



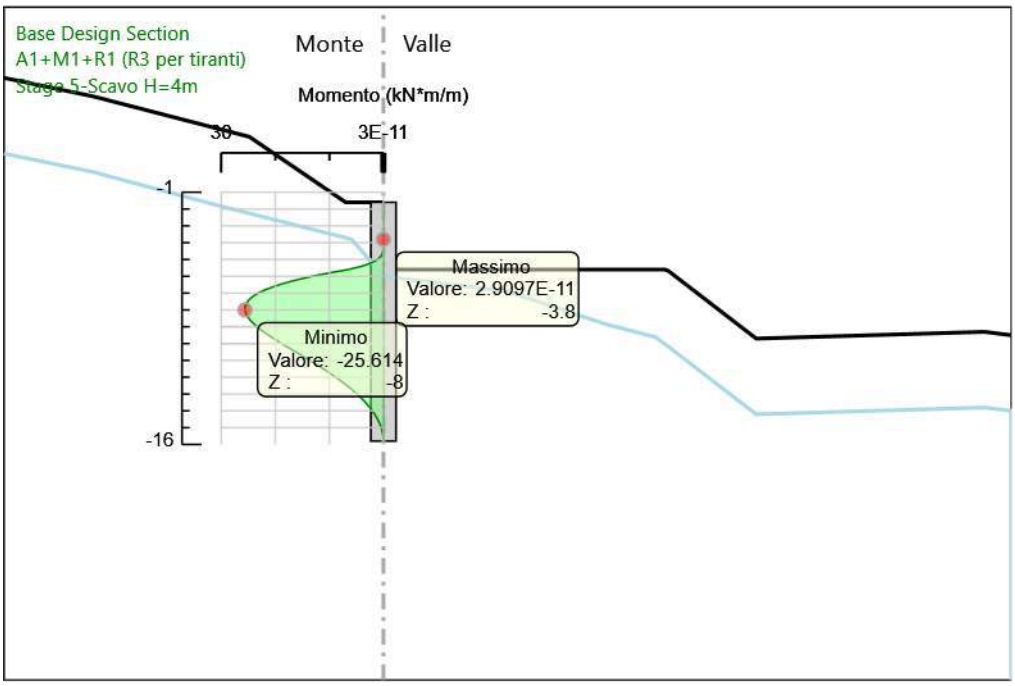
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 3-Paratia
Momento

6.2.18. Grafico Risultati Momento A1+M1+R1 (R3 per tiranti) - Stage: Stage 4-Scavo H=2m



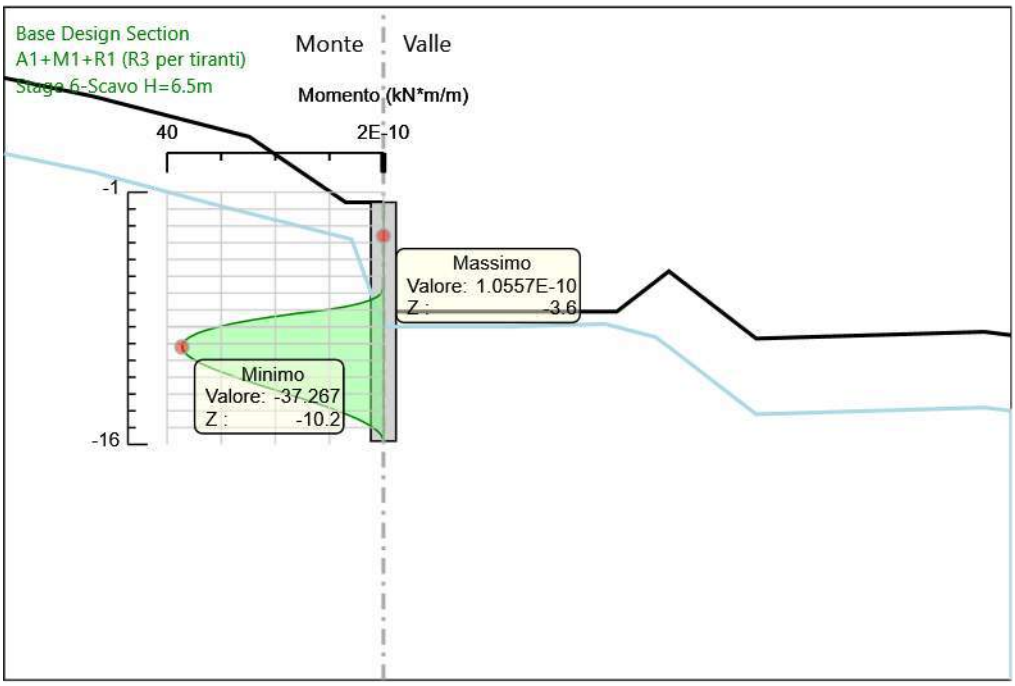
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 4-Scavo H=2m
Momento

6.2.19. Grafico Risultati Momento A1+M1+R1 (R3 per tiranti) - Stage: Stage 5-Scavo H=4m



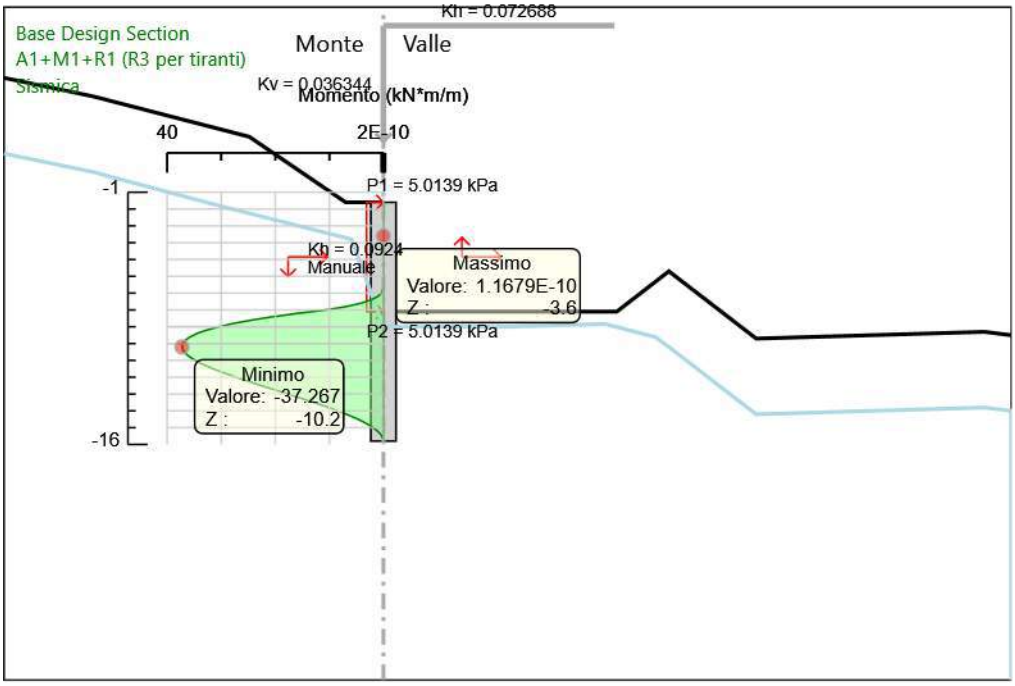
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 5-Scavo H=4m
Momento

6.2.20. Grafico Risultati Momento A1+M1+R1 (R3 per tiranti) - Stage: Stage 6-Scavo H=6.5m



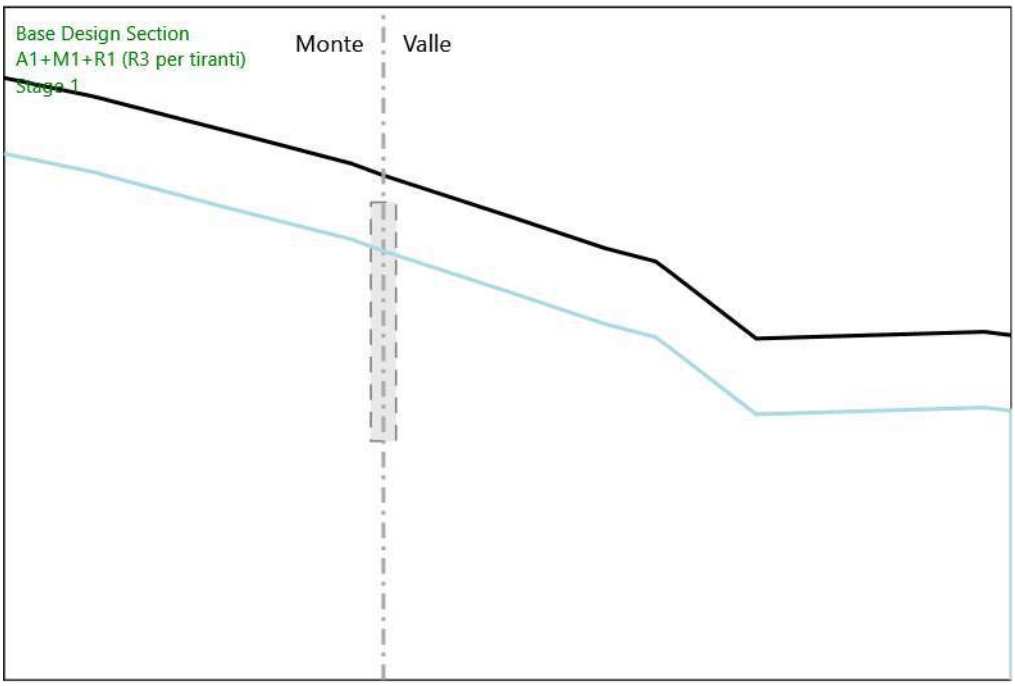
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 6-Scavo H=6.5m
Momento

6.2.21. Grafico Risultati Momento A1+M1+R1 (R3 per tiranti) - Stage: Sismica



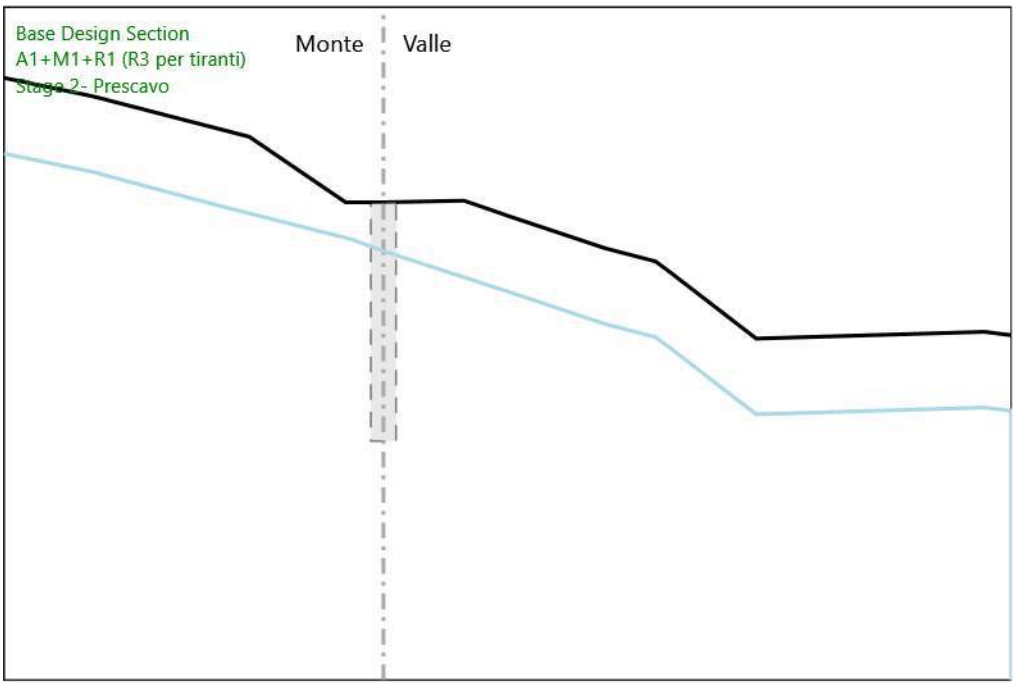
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Sismica
Momento

6.2.22. Grafico Risultati Taglio A1+M1+R1 (R3 per tiranti) - Stage: Stage 1



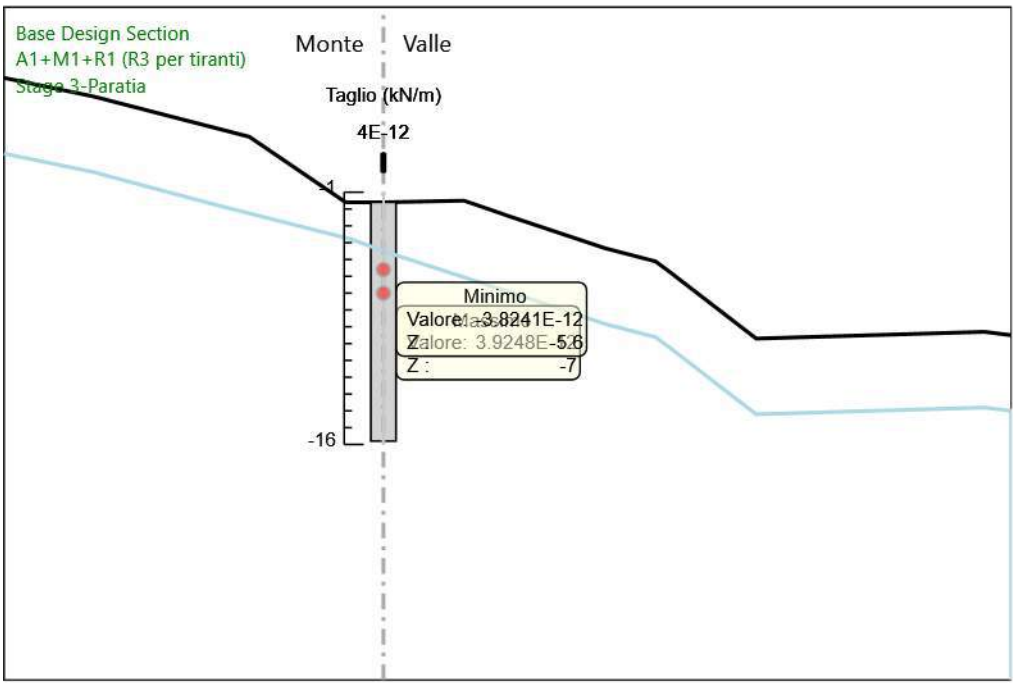
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 1
Taglio

6.2.23. Grafico Risultati Taglio A1+M1+R1 (R3 per tiranti) - Stage: Stage 2- Prescavo



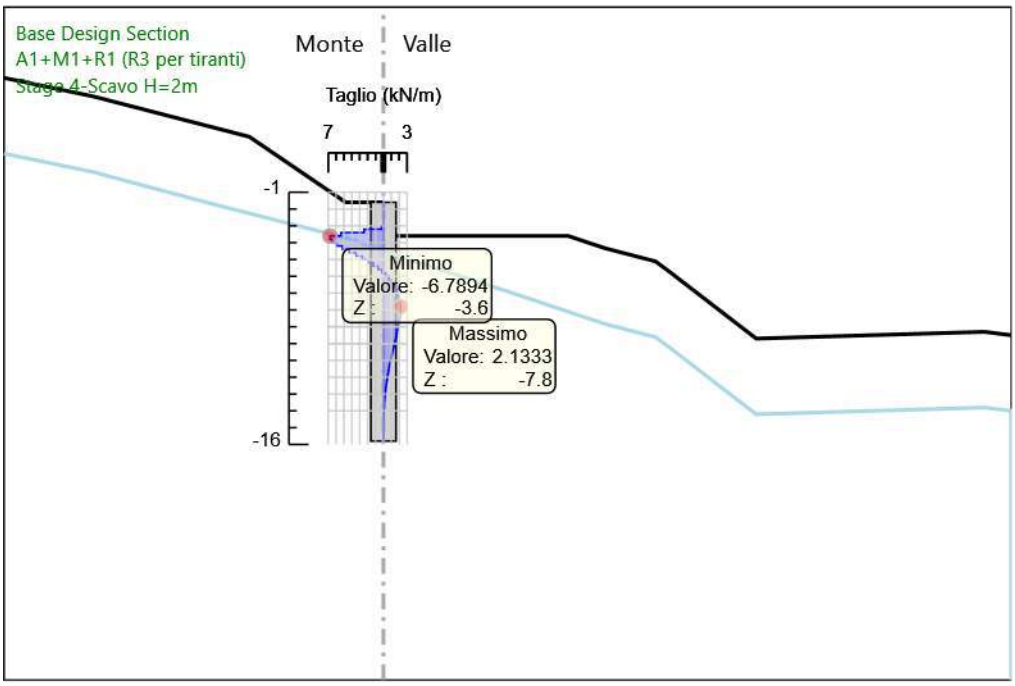
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 2- Prescavo
Taglio

6.2.24. Grafico Risultati Taglio A1+M1+R1 (R3 per tiranti) - Stage: Stage 3-Paratia



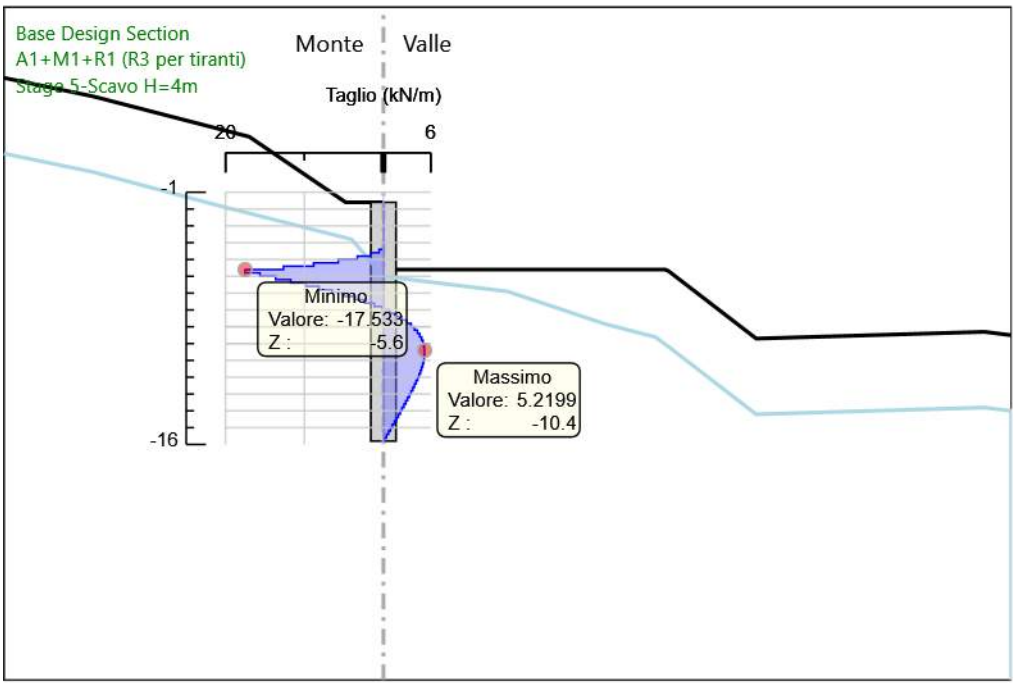
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 3-Paratia
Taglio

6.2.25. Grafico Risultati Taglio A1+M1+R1 (R3 per tiranti) - Stage: Stage 4-Scavo H=2m



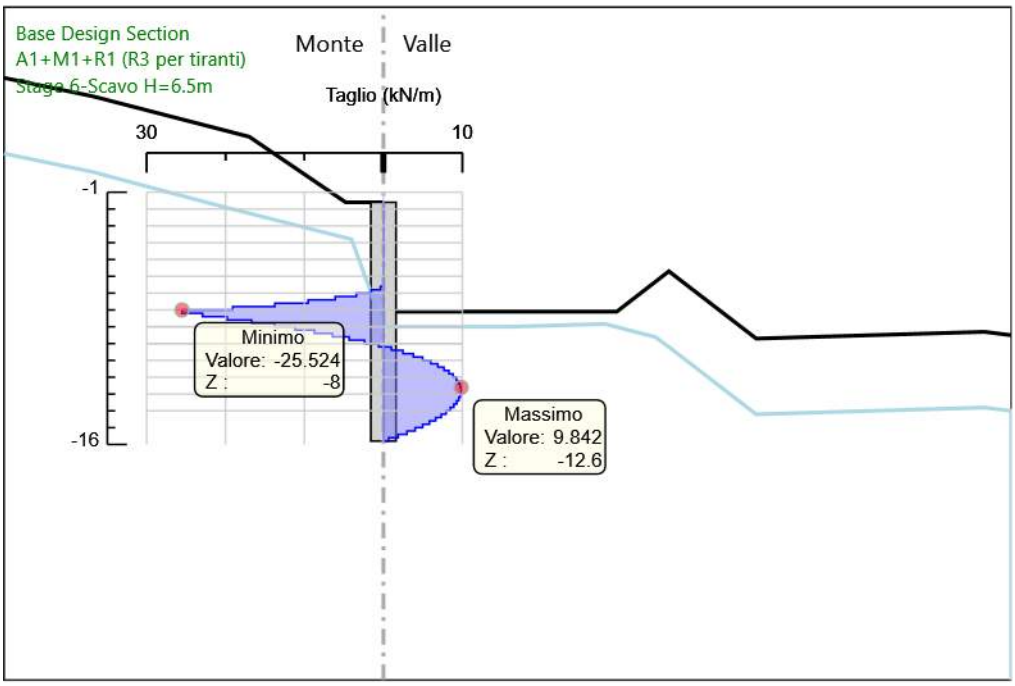
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 4-Scavo H=2m
Taglio

6.2.26. Grafico Risultati Taglio A1+M1+R1 (R3 per tiranti) - Stage: Stage 5-Scavo H=4m



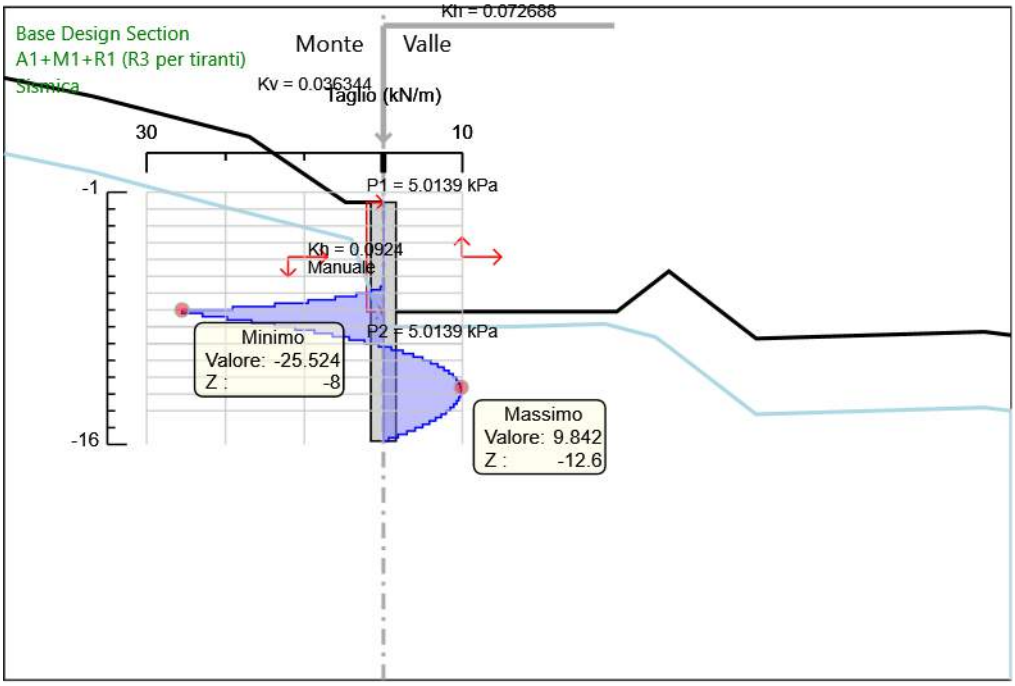
Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 5-Scavo H=4m
Taglio

6.2.27. Grafico Risultati Taglio A1+M1+R1 (R3 per tiranti) - Stage: Stage 6-Scavo H=6.5m



Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Stage 6-Scavo H=6.5m
Taglio

6.2.28. Grafico Risultati Taglio A1+M1+R1 (R3 per tiranti) - Stage: Sismica



Design Assumption: A1+M1+R1 (R3 per tiranti)
Stage: Sismica
Taglio

6.3. Risultati A2+M2+R1

6.3.1. 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	-1.6	0	0
Stage 1	-1.8	0	0
Stage 1	-2	0	0
Stage 1	-2.2	0	0
Stage 1	-2.4	0	0
Stage 1	-2.6	0	0
Stage 1	-2.8	0	0
Stage 1	-3	0	0
Stage 1	-3.2	0	0
Stage 1	-3.4	0	0
Stage 1	-3.6	0	0
Stage 1	-3.8	0	0
Stage 1	-4	0	0
Stage 1	-4.2	0	0
Stage 1	-4.4	0	0
Stage 1	-4.6	0	0
Stage 1	-4.8	0	0
Stage 1	-5	0	0
Stage 1	-5.2	0	0
Stage 1	-5.4	0	0
Stage 1	-5.6	0	0
Stage 1	-5.8	0	0
Stage 1	-6	0	0
Stage 1	-6.2	0	0
Stage 1	-6.4	0	0
Stage 1	-6.6	0	0
Stage 1	-6.8	0	0
Stage 1	-7	0	0
Stage 1	-7.2	0	0
Stage 1	-7.4	0	0
Stage 1	-7.6	0	0
Stage 1	-7.8	0	0
Stage 1	-8	0	0
Stage 1	-8.2	0	0
Stage 1	-8.4	0	0
Stage 1	-8.6	0	0
Stage 1	-8.8	0	0
Stage 1	-9	0	0
Stage 1	-9.2	0	0
Stage 1	-9.4	0	0
Stage 1	-9.6	0	0
Stage 1	-9.8	0	0
Stage 1	-10	0	0
Stage 1	-10.2	0	0
Stage 1	-10.4	0	0
Stage 1	-10.6	0	0
Stage 1	-10.8	0	0
Stage 1	-11	0	0
Stage 1	-11.2	0	0
Stage 1	-11.4	0	0
Stage 1	-11.6	0	0
Stage 1	-11.8	0	0
Stage 1	-12	0	0
Stage 1	-12.2	0	0
Stage 1	-12.4	0	0
Stage 1	-12.6	0	0
Stage 1	-12.8	0	0
Stage 1	-13	0	0
Stage 1	-13.2	0	0
Stage 1	-13.4	0	0
Stage 1	-13.6	0	0
Stage 1	-13.8	0	0
Stage 1	-14	0	0
Stage 1	-14.2	0	0

Design Assumption: A2+M2+R1 Risultati Paratia		Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 1	-14.4	0	0
Stage 1	-14.6	0	0
Stage 1	-14.8	0	0
Stage 1	-15	0	0
Stage 1	-15.2	0	0
Stage 1	-15.4	0	0
Stage 1	-15.6	0	0
Stage 1	-15.8	0	0

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

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2- Prescavo	-1.6	0	0
Stage 2- Prescavo	-1.8	0	0
Stage 2- Prescavo	-2	0	0
Stage 2- Prescavo	-2.2	0	0
Stage 2- Prescavo	-2.4	0	0
Stage 2- Prescavo	-2.6	0	0
Stage 2- Prescavo	-2.8	0	0
Stage 2- Prescavo	-3	0	0
Stage 2- Prescavo	-3.2	0	0
Stage 2- Prescavo	-3.4	0	0
Stage 2- Prescavo	-3.6	0	0
Stage 2- Prescavo	-3.8	0	0
Stage 2- Prescavo	-4	0	0
Stage 2- Prescavo	-4.2	0	0
Stage 2- Prescavo	-4.4	0	0
Stage 2- Prescavo	-4.6	0	0
Stage 2- Prescavo	-4.8	0	0
Stage 2- Prescavo	-5	0	0
Stage 2- Prescavo	-5.2	0	0
Stage 2- Prescavo	-5.4	0	0
Stage 2- Prescavo	-5.6	0	0
Stage 2- Prescavo	-5.8	0	0
Stage 2- Prescavo	-6	0	0
Stage 2- Prescavo	-6.2	0	0
Stage 2- Prescavo	-6.4	0	0
Stage 2- Prescavo	-6.6	0	0
Stage 2- Prescavo	-6.8	0	0
Stage 2- Prescavo	-7	0	0
Stage 2- Prescavo	-7.2	0	0
Stage 2- Prescavo	-7.4	0	0
Stage 2- Prescavo	-7.6	0	0
Stage 2- Prescavo	-7.8	0	0
Stage 2- Prescavo	-8	0	0
Stage 2- Prescavo	-8.2	0	0
Stage 2- Prescavo	-8.4	0	0
Stage 2- Prescavo	-8.6	0	0
Stage 2- Prescavo	-8.8	0	0
Stage 2- Prescavo	-9	0	0
Stage 2- Prescavo	-9.2	0	0
Stage 2- Prescavo	-9.4	0	0
Stage 2- Prescavo	-9.6	0	0
Stage 2- Prescavo	-9.8	0	0
Stage 2- Prescavo	-10	0	0
Stage 2- Prescavo	-10.2	0	0
Stage 2- Prescavo	-10.4	0	0
Stage 2- Prescavo	-10.6	0	0
Stage 2- Prescavo	-10.8	0	0
Stage 2- Prescavo	-11	0	0
Stage 2- Prescavo	-11.2	0	0
Stage 2- Prescavo	-11.4	0	0
Stage 2- Prescavo	-11.6	0	0
Stage 2- Prescavo	-11.8	0	0
Stage 2- Prescavo	-12	0	0
Stage 2- Prescavo	-12.2	0	0
Stage 2- Prescavo	-12.4	0	0
Stage 2- Prescavo	-12.6	0	0
Stage 2- Prescavo	-12.8	0	0
Stage 2- Prescavo	-13	0	0
Stage 2- Prescavo	-13.2	0	0
Stage 2- Prescavo	-13.4	0	0
Stage 2- Prescavo	-13.6	0	0
Stage 2- Prescavo	-13.8	0	0
Stage 2- Prescavo	-14	0	0
Stage 2- Prescavo	-14.2	0	0
Stage 2- Prescavo	-14.4	0	0
Stage 2- Prescavo	-14.6	0	0
Stage 2- Prescavo	-14.8	0	0

Design Assumption: A2+M2+R1 Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2- Prescavo	-15	0	0
Stage 2- Prescavo	-15.2	0	0
Stage 2- Prescavo	-15.4	0	0
Stage 2- Prescavo	-15.6	0	0
Stage 2- Prescavo	-15.8	0	0

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

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-1.6	0	0
Stage 3-Paratia	-1.8	0	0
Stage 3-Paratia	-2	0	0
Stage 3-Paratia	-2.2	0	0
Stage 3-Paratia	-2.4	0	0
Stage 3-Paratia	-2.6	0	0
Stage 3-Paratia	-2.8	0	0
Stage 3-Paratia	-3	0	0
Stage 3-Paratia	-3.2	0	0
Stage 3-Paratia	-3.4	0	0
Stage 3-Paratia	-3.6	0	0
Stage 3-Paratia	-3.8	0	0
Stage 3-Paratia	-4	0	0
Stage 3-Paratia	-4.2	0	0
Stage 3-Paratia	-4.2	0	0
Stage 3-Paratia	-4.4	0	0
Stage 3-Paratia	-4.4	0	0
Stage 3-Paratia	-4.6	0	0
Stage 3-Paratia	-4.6	0	0
Stage 3-Paratia	-4.8	0	0
Stage 3-Paratia	-4.8	0	0
Stage 3-Paratia	-5	0	0
Stage 3-Paratia	-5	0	0
Stage 3-Paratia	-5.2	0	0
Stage 3-Paratia	-5.2	0	0
Stage 3-Paratia	-5.4	0	0
Stage 3-Paratia	-5.4	0	0
Stage 3-Paratia	-5.6	0	0
Stage 3-Paratia	-5.6	0	0
Stage 3-Paratia	-5.8	0	0
Stage 3-Paratia	-5.8	0	0
Stage 3-Paratia	-6	0	0
Stage 3-Paratia	-6	0	0
Stage 3-Paratia	-6.2	0	0
Stage 3-Paratia	-6.2	0	0
Stage 3-Paratia	-6.4	0	0
Stage 3-Paratia	-6.4	0	0
Stage 3-Paratia	-6.6	0	0
Stage 3-Paratia	-6.6	0	0
Stage 3-Paratia	-6.8	0	0
Stage 3-Paratia	-6.8	0	0
Stage 3-Paratia	-7	0	0
Stage 3-Paratia	-7	0	0
Stage 3-Paratia	-7.2	0	0
Stage 3-Paratia	-7.2	0	0
Stage 3-Paratia	-7.4	0	0
Stage 3-Paratia	-7.4	0	0
Stage 3-Paratia	-7.6	0	0
Stage 3-Paratia	-7.6	0	0
Stage 3-Paratia	-7.8	0	0
Stage 3-Paratia	-7.8	0	0
Stage 3-Paratia	-8	0	0
Stage 3-Paratia	-8	0	0
Stage 3-Paratia	-8.2	0	0
Stage 3-Paratia	-8.2	0	0
Stage 3-Paratia	-8.4	0	0
Stage 3-Paratia	-8.4	0	0
Stage 3-Paratia	-8.6	0	0
Stage 3-Paratia	-8.6	0	0
Stage 3-Paratia	-8.8	0	0
Stage 3-Paratia	-8.8	0	0
Stage 3-Paratia	-9	0	0
Stage 3-Paratia	-9	0	0
Stage 3-Paratia	-9.2	0	0
Stage 3-Paratia	-9.2	0	0
Stage 3-Paratia	-9.4	0	0
Stage 3-Paratia	-9.4	0	0

Design Assumption: A2+M2+R1 Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-9.6	0	0
Stage 3-Paratia	-9.6	0	0
Stage 3-Paratia	-9.8	0	0
Stage 3-Paratia	-9.8	0	0
Stage 3-Paratia	-10	0	0
Stage 3-Paratia	-10	0	0
Stage 3-Paratia	-10.2	0	0
Stage 3-Paratia	-10.2	0	0
Stage 3-Paratia	-10.4	0	0
Stage 3-Paratia	-10.4	0	0
Stage 3-Paratia	-10.6	0	0
Stage 3-Paratia	-10.6	0	0
Stage 3-Paratia	-10.8	0	0
Stage 3-Paratia	-10.8	0	0
Stage 3-Paratia	-11	0	0
Stage 3-Paratia	-11	0	0
Stage 3-Paratia	-11.2	0	0
Stage 3-Paratia	-11.2	0	0
Stage 3-Paratia	-11.4	0	0
Stage 3-Paratia	-11.4	0	0
Stage 3-Paratia	-11.6	0	0
Stage 3-Paratia	-11.6	0	0
Stage 3-Paratia	-11.8	0	0
Stage 3-Paratia	-11.8	0	0
Stage 3-Paratia	-12	0	0
Stage 3-Paratia	-12	0	0
Stage 3-Paratia	-12.2	0	0
Stage 3-Paratia	-12.2	0	0
Stage 3-Paratia	-12.4	0	0
Stage 3-Paratia	-12.4	0	0
Stage 3-Paratia	-12.6	0	0
Stage 3-Paratia	-12.6	0	0
Stage 3-Paratia	-12.8	0	0
Stage 3-Paratia	-12.8	0	0
Stage 3-Paratia	-13	0	0
Stage 3-Paratia	-13	0	0
Stage 3-Paratia	-13.2	0	0
Stage 3-Paratia	-13.2	0	0
Stage 3-Paratia	-13.4	0	0
Stage 3-Paratia	-13.4	0	0
Stage 3-Paratia	-13.6	0	0
Stage 3-Paratia	-13.6	0	0
Stage 3-Paratia	-13.8	0	0
Stage 3-Paratia	-13.8	0	0
Stage 3-Paratia	-14	0	0
Stage 3-Paratia	-14	0	0
Stage 3-Paratia	-14.2	0	0
Stage 3-Paratia	-14.2	0	0
Stage 3-Paratia	-14.4	0	0
Stage 3-Paratia	-14.4	0	0
Stage 3-Paratia	-14.6	0	0
Stage 3-Paratia	-14.6	0	0
Stage 3-Paratia	-14.8	0	0
Stage 3-Paratia	-14.8	0	0
Stage 3-Paratia	-15	0	0
Stage 3-Paratia	-15	0	0
Stage 3-Paratia	-15.2	0	0
Stage 3-Paratia	-15.2	0	0
Stage 3-Paratia	-15.4	0	0
Stage 3-Paratia	-15.4	0	0
Stage 3-Paratia	-15.6	0	0
Stage 3-Paratia	-15.6	0	0
Stage 3-Paratia	-15.8	0	0

6.3.4. Tabella Risultati Paratia A2+M2+R1 - Left Wall - Stage: Stage 4-Scavo H=2m

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=2m	-1.6	0	0
Stage 4-Scavo H=2m	-1.8	0	0
Stage 4-Scavo H=2m	-1.8	0	0
Stage 4-Scavo H=2m	-2	0	0
Stage 4-Scavo H=2m	-2	0	0
Stage 4-Scavo H=2m	-2.2	0	0
Stage 4-Scavo H=2m	-2.2	0	0
Stage 4-Scavo H=2m	-2.4	0	0
Stage 4-Scavo H=2m	-2.4	0	0
Stage 4-Scavo H=2m	-2.6	0	0
Stage 4-Scavo H=2m	-2.6	0	0
Stage 4-Scavo H=2m	-2.8	0	0
Stage 4-Scavo H=2m	-2.8	0	0
Stage 4-Scavo H=2m	-3	0	0
Stage 4-Scavo H=2m	-3	0	0
Stage 4-Scavo H=2m	-3.2	-0.08	-0.38
Stage 4-Scavo H=2m	-3.4	-0.53	-2.25
Stage 4-Scavo H=2m	-3.6	-1.46	-4.68
Stage 4-Scavo H=2m	-3.8	-2.6	-5.69
Stage 4-Scavo H=2m	-4	-3.68	-5.41
Stage 4-Scavo H=2m	-4.2	-4.66	-4.87
Stage 4-Scavo H=2m	-4.4	-5.5	-4.22
Stage 4-Scavo H=2m	-4.6	-6.21	-3.53
Stage 4-Scavo H=2m	-4.8	-6.77	-2.82
Stage 4-Scavo H=2m	-5	-7.21	-2.16
Stage 4-Scavo H=2m	-5.2	-7.52	-1.56
Stage 4-Scavo H=2m	-5.4	-7.72	-1.01
Stage 4-Scavo H=2m	-5.6	-7.82	-0.52
Stage 4-Scavo H=2m	-5.8	-7.84	-0.09
Stage 4-Scavo H=2m	-6	-7.78	0.29
Stage 4-Scavo H=2m	-6.2	-7.66	0.62
Stage 4-Scavo H=2m	-6.4	-7.48	0.89
Stage 4-Scavo H=2m	-6.6	-7.25	1.13
Stage 4-Scavo H=2m	-6.8	-6.99	1.32
Stage 4-Scavo H=2m	-7	-6.7	1.47
Stage 4-Scavo H=2m	-7.2	-6.38	1.59
Stage 4-Scavo H=2m	-7.4	-6.04	1.68
Stage 4-Scavo H=2m	-7.6	-5.7	1.73
Stage 4-Scavo H=2m	-7.8	-5.34	1.77
Stage 4-Scavo H=2m	-8	-4.99	1.78
Stage 4-Scavo H=2m	-8.2	-4.63	1.77
Stage 4-Scavo H=2m	-8.4	-4.29	1.74
Stage 4-Scavo H=2m	-8.6	-3.94	1.71
Stage 4-Scavo H=2m	-8.8	-3.61	1.65
Stage 4-Scavo H=2m	-9	-3.29	1.59
Stage 4-Scavo H=2m	-9.2	-2.99	1.52
Stage 4-Scavo H=2m	-9.4	-2.7	1.45
Stage 4-Scavo H=2m	-9.6	-2.43	1.37
Stage 4-Scavo H=2m	-9.8	-2.17	1.29
Stage 4-Scavo H=2m	-10	-1.93	1.2
Stage 4-Scavo H=2m	-10.2	-1.7	1.12
Stage 4-Scavo H=2m	-10.4	-1.5	1.03
Stage 4-Scavo H=2m	-10.6	-1.31	0.95
Stage 4-Scavo H=2m	-10.8	-1.13	0.87
Stage 4-Scavo H=2m	-11	-0.97	0.79
Stage 4-Scavo H=2m	-11.2	-0.83	0.71
Stage 4-Scavo H=2m	-11.4	-0.7	0.64
Stage 4-Scavo H=2m	-11.6	-0.59	0.57
Stage 4-Scavo H=2m	-11.8	-0.49	0.51
Stage 4-Scavo H=2m	-12	-0.4	0.44
Stage 4-Scavo H=2m	-12.2	-0.32	0.39
Stage 4-Scavo H=2m	-12.4	-0.25	0.33
Stage 4-Scavo H=2m	-12.6	-0.2	0.29
Stage 4-Scavo H=2m	-12.8	-0.15	0.24
Stage 4-Scavo H=2m	-13	-0.11	0.2
Stage 4-Scavo H=2m	-13.2	-0.08	0.16
Stage 4-Scavo H=2m	-13.4	-0.05	0.13

Design Assumption: A2+M2+R1 Risultati Paratia		Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 4-Scavo H=2m	-13.6	-0.03	0.1
Stage 4-Scavo H=2m	-13.8	-0.02	0.08
Stage 4-Scavo H=2m	-14	0	0.05
Stage 4-Scavo H=2m	-14.2	0	0.04
Stage 4-Scavo H=2m	-14.4	0.01	0.02
Stage 4-Scavo H=2m	-14.6	0.01	0.01
Stage 4-Scavo H=2m	-14.8	0.01	0
Stage 4-Scavo H=2m	-15	0.01	-0.01
Stage 4-Scavo H=2m	-15.2	0	-0.01
Stage 4-Scavo H=2m	-15.4	0	-0.01
Stage 4-Scavo H=2m	-15.6	0	-0.01
Stage 4-Scavo H=2m	-15.8	0	0

6.3.5. Tabella Risultati Paratia A2+M2+R1 - Left Wall - Stage: Stage 5-Scavo H=4m

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=4m	-1.6	0	0
Stage 5-Scavo H=4m	-1.8	0	0
Stage 5-Scavo H=4m	-1.8	0	0
Stage 5-Scavo H=4m	-2	0	0
Stage 5-Scavo H=4m	-2	0	0
Stage 5-Scavo H=4m	-2.2	0	0
Stage 5-Scavo H=4m	-2.2	0	0
Stage 5-Scavo H=4m	-2.4	0	0
Stage 5-Scavo H=4m	-2.4	0	0
Stage 5-Scavo H=4m	-2.6	0	0
Stage 5-Scavo H=4m	-2.6	0	0
Stage 5-Scavo H=4m	-2.8	0	0
Stage 5-Scavo H=4m	-2.8	0	0
Stage 5-Scavo H=4m	-3	0	0
Stage 5-Scavo H=4m	-3	0	0
Stage 5-Scavo H=4m	-3.2	-0.05	-0.27
Stage 5-Scavo H=4m	-3.4	-0.11	-0.27
Stage 5-Scavo H=4m	-3.6	-0.16	-0.27
Stage 5-Scavo H=4m	-3.8	-0.22	-0.27
Stage 5-Scavo H=4m	-4	-0.27	-0.27
Stage 5-Scavo H=4m	-4.2	-0.32	-0.27
Stage 5-Scavo H=4m	-4.4	-0.4	-0.4
Stage 5-Scavo H=4m	-4.6	-0.62	-1.07
Stage 5-Scavo H=4m	-4.8	-1.04	-2.14
Stage 5-Scavo H=4m	-5	-1.79	-3.71
Stage 5-Scavo H=4m	-5.2	-2.95	-5.84
Stage 5-Scavo H=4m	-5.4	-4.66	-8.51
Stage 5-Scavo H=4m	-5.6	-7	-11.72
Stage 5-Scavo H=4m	-5.8	-10.15	-15.76
Stage 5-Scavo H=4m	-6	-12.94	-13.94
Stage 5-Scavo H=4m	-6.2	-15.36	-12.07
Stage 5-Scavo H=4m	-6.4	-17.41	-10.29
Stage 5-Scavo H=4m	-6.6	-19.13	-8.59
Stage 5-Scavo H=4m	-6.8	-20.53	-6.99
Stage 5-Scavo H=4m	-7	-21.63	-5.5
Stage 5-Scavo H=4m	-7.2	-22.46	-4.13
Stage 5-Scavo H=4m	-7.4	-23.03	-2.87
Stage 5-Scavo H=4m	-7.6	-23.37	-1.72
Stage 5-Scavo H=4m	-7.8	-23.51	-0.69
Stage 5-Scavo H=4m	-8	-23.47	0.23
Stage 5-Scavo H=4m	-8.2	-23.26	1.05
Stage 5-Scavo H=4m	-8.4	-22.9	1.77
Stage 5-Scavo H=4m	-8.6	-22.42	2.4
Stage 5-Scavo H=4m	-8.8	-21.83	2.94
Stage 5-Scavo H=4m	-9	-21.15	3.4
Stage 5-Scavo H=4m	-9.2	-20.4	3.78
Stage 5-Scavo H=4m	-9.4	-19.58	4.09
Stage 5-Scavo H=4m	-9.6	-18.71	4.34
Stage 5-Scavo H=4m	-9.8	-17.81	4.52
Stage 5-Scavo H=4m	-10	-16.88	4.66
Stage 5-Scavo H=4m	-10.2	-15.93	4.74
Stage 5-Scavo H=4m	-10.4	-14.97	4.78
Stage 5-Scavo H=4m	-10.6	-14.01	4.79
Stage 5-Scavo H=4m	-10.8	-13.06	4.76
Stage 5-Scavo H=4m	-11	-12.12	4.7
Stage 5-Scavo H=4m	-11.2	-11.2	4.61
Stage 5-Scavo H=4m	-11.4	-10.3	4.5
Stage 5-Scavo H=4m	-11.6	-9.43	4.37
Stage 5-Scavo H=4m	-11.8	-8.58	4.22
Stage 5-Scavo H=4m	-12	-7.77	4.06
Stage 5-Scavo H=4m	-12.2	-7	3.89
Stage 5-Scavo H=4m	-12.4	-6.25	3.7
Stage 5-Scavo H=4m	-12.6	-5.55	3.51
Stage 5-Scavo H=4m	-12.8	-4.89	3.32
Stage 5-Scavo H=4m	-13	-4.26	3.12
Stage 5-Scavo H=4m	-13.2	-3.68	2.91
Stage 5-Scavo H=4m	-13.4	-3.14	2.7

Design Assumption: A2+M2+R1 Risultati Paratia		Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 5-Scavo H=4m	-13.6	-2.64	2.49
Stage 5-Scavo H=4m	-13.8	-2.19	2.28
Stage 5-Scavo H=4m	-14	-1.77	2.07
Stage 5-Scavo H=4m	-14.2	-1.4	1.85
Stage 5-Scavo H=4m	-14.4	-1.08	1.64
Stage 5-Scavo H=4m	-14.6	-0.79	1.42
Stage 5-Scavo H=4m	-14.8	-0.55	1.21
Stage 5-Scavo H=4m	-15	-0.35	0.99
Stage 5-Scavo H=4m	-15.2	-0.2	0.77
Stage 5-Scavo H=4m	-15.4	-0.09	0.55
Stage 5-Scavo H=4m	-15.6	-0.02	0.33
Stage 5-Scavo H=4m	-15.8	0	0.11

6.3.6. Tabella Risultati Paratia A2+M2+R1 - Left Wall - Stage: Stage 6-Scavo H=6.5m

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=6.5m	-1.6	0	0
Stage 6-Scavo H=6.5m	-1.8	0	0
Stage 6-Scavo H=6.5m	-1.8	0	0
Stage 6-Scavo H=6.5m	-2	0	0
Stage 6-Scavo H=6.5m	-2	0	0
Stage 6-Scavo H=6.5m	-2.2	0	0
Stage 6-Scavo H=6.5m	-2.2	0	0
Stage 6-Scavo H=6.5m	-2.4	0	0
Stage 6-Scavo H=6.5m	-2.4	0	0
Stage 6-Scavo H=6.5m	-2.6	0	0
Stage 6-Scavo H=6.5m	-2.6	0	0
Stage 6-Scavo H=6.5m	-2.8	0	0
Stage 6-Scavo H=6.5m	-2.8	0	0
Stage 6-Scavo H=6.5m	-3	0	0
Stage 6-Scavo H=6.5m	-3	0	0
Stage 6-Scavo H=6.5m	-3.2	-0.05	-0.27
Stage 6-Scavo H=6.5m	-3.4	-0.11	-0.27
Stage 6-Scavo H=6.5m	-3.6	-0.16	-0.27
Stage 6-Scavo H=6.5m	-3.8	-0.22	-0.27
Stage 6-Scavo H=6.5m	-4	-0.27	-0.27
Stage 6-Scavo H=6.5m	-4.2	-0.32	-0.27
Stage 6-Scavo H=6.5m	-4.4	-0.38	-0.27
Stage 6-Scavo H=6.5m	-4.6	-0.43	-0.27
Stage 6-Scavo H=6.5m	-4.8	-0.48	-0.27
Stage 6-Scavo H=6.5m	-5	-0.54	-0.27
Stage 6-Scavo H=6.5m	-5.2	-0.59	-0.27
Stage 6-Scavo H=6.5m	-5.4	-0.65	-0.27
Stage 6-Scavo H=6.5m	-5.6	-0.7	-0.27
Stage 6-Scavo H=6.5m	-5.8	-0.75	-0.27
Stage 6-Scavo H=6.5m	-6	-0.81	-0.27
Stage 6-Scavo H=6.5m	-6.2	-0.86	-0.27
Stage 6-Scavo H=6.5m	-6.4	-0.91	-0.27
Stage 6-Scavo H=6.5m	-6.6	-0.98	-0.34
Stage 6-Scavo H=6.5m	-6.8	-1.18	-1.01
Stage 6-Scavo H=6.5m	-7	-1.64	-2.28
Stage 6-Scavo H=6.5m	-7.2	-2.47	-4.15
Stage 6-Scavo H=6.5m	-7.4	-3.79	-6.62
Stage 6-Scavo H=6.5m	-7.6	-5.73	-9.68
Stage 6-Scavo H=6.5m	-7.8	-8.4	-13.36
Stage 6-Scavo H=6.5m	-8	-11.98	-17.9
Stage 6-Scavo H=6.5m	-8.2	-16.64	-23.29
Stage 6-Scavo H=6.5m	-8.4	-20.78	-20.7
Stage 6-Scavo H=6.5m	-8.6	-24.33	-17.77
Stage 6-Scavo H=6.5m	-8.8	-27.31	-14.87
Stage 6-Scavo H=6.5m	-9	-29.74	-12.17
Stage 6-Scavo H=6.5m	-9.2	-31.69	-9.73
Stage 6-Scavo H=6.5m	-9.4	-33.18	-7.47
Stage 6-Scavo H=6.5m	-9.6	-34.25	-5.36
Stage 6-Scavo H=6.5m	-9.8	-34.94	-3.42
Stage 6-Scavo H=6.5m	-10	-35.26	-1.64
Stage 6-Scavo H=6.5m	-10.2	-35.27	-0.01
Stage 6-Scavo H=6.5m	-10.4	-34.97	1.46
Stage 6-Scavo H=6.5m	-10.6	-34.42	2.79
Stage 6-Scavo H=6.5m	-10.8	-33.62	3.97
Stage 6-Scavo H=6.5m	-11	-32.62	5.02
Stage 6-Scavo H=6.5m	-11.2	-31.43	5.94
Stage 6-Scavo H=6.5m	-11.4	-30.08	6.73
Stage 6-Scavo H=6.5m	-11.6	-28.6	7.41
Stage 6-Scavo H=6.5m	-11.8	-27.01	7.96
Stage 6-Scavo H=6.5m	-12	-25.32	8.41
Stage 6-Scavo H=6.5m	-12.2	-23.57	8.76
Stage 6-Scavo H=6.5m	-12.4	-21.77	9.01
Stage 6-Scavo H=6.5m	-12.6	-19.94	9.16
Stage 6-Scavo H=6.5m	-12.8	-18.1	9.22
Stage 6-Scavo H=6.5m	-13	-16.26	9.19
Stage 6-Scavo H=6.5m	-13.2	-14.44	9.08
Stage 6-Scavo H=6.5m	-13.4	-12.67	8.88

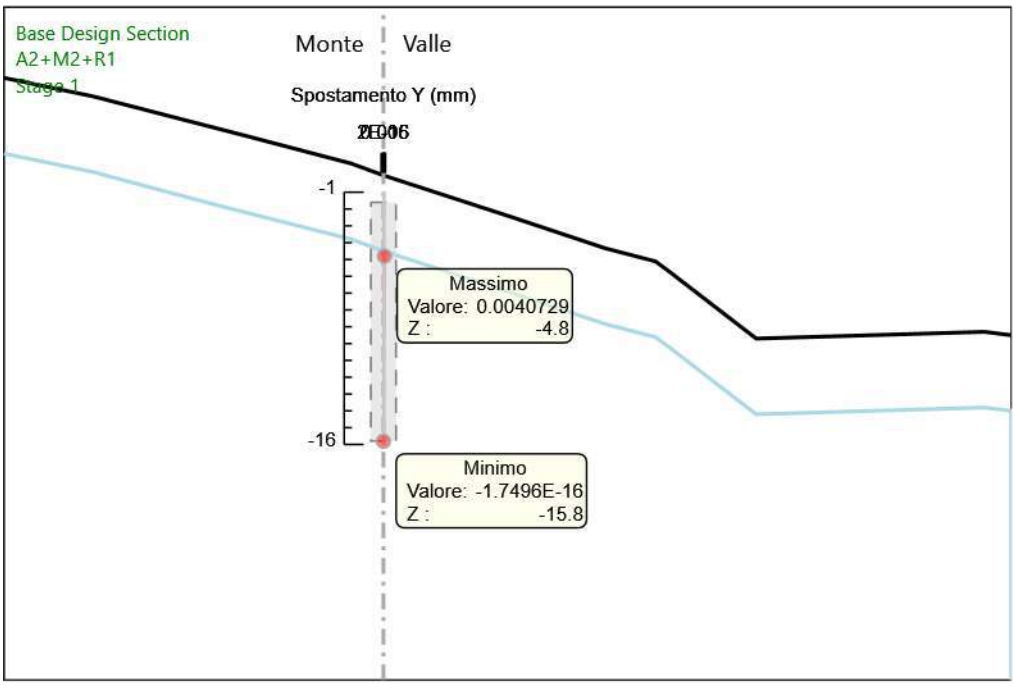
Design Assumption: A2+M2+R1 Risultati Paratia		Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 6-Scavo H=6.5m	-13.6	-10.95	8.6
Stage 6-Scavo H=6.5m	-13.8	-9.3	8.25
Stage 6-Scavo H=6.5m	-14	-7.73	7.82
Stage 6-Scavo H=6.5m	-14.2	-6.27	7.31
Stage 6-Scavo H=6.5m	-14.4	-4.92	6.73
Stage 6-Scavo H=6.5m	-14.6	-3.71	6.07
Stage 6-Scavo H=6.5m	-14.8	-2.64	5.35
Stage 6-Scavo H=6.5m	-15	-1.73	4.54
Stage 6-Scavo H=6.5m	-15.2	-1	3.67
Stage 6-Scavo H=6.5m	-15.4	-0.46	2.72
Stage 6-Scavo H=6.5m	-15.6	-0.12	1.69
Stage 6-Scavo H=6.5m	-15.8	0	0.59

6.3.7. Tabella Risultati Paratia A2+M2+R1 - Left Wall - Stage: Sismica

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sismica	-1.6	0	0
Sismica	-1.8	0	0
Sismica	-1.8	0	0
Sismica	-2	0	0
Sismica	-2	0	0
Sismica	-2.2	0	0
Sismica	-2.2	0	0
Sismica	-2.4	0	0
Sismica	-2.4	0	0
Sismica	-2.6	0	0
Sismica	-2.6	0	0
Sismica	-2.8	0	0
Sismica	-2.8	0	0
Sismica	-3	0	0
Sismica	-3	0	0
Sismica	-3.2	-0.05	-0.27
Sismica	-3.4	-0.11	-0.27
Sismica	-3.6	-0.16	-0.27
Sismica	-3.8	-0.22	-0.27
Sismica	-4	-0.27	-0.27
Sismica	-4.2	-0.32	-0.27
Sismica	-4.4	-0.38	-0.27
Sismica	-4.6	-0.43	-0.27
Sismica	-4.8	-0.48	-0.27
Sismica	-5	-0.54	-0.27
Sismica	-5.2	-0.59	-0.27
Sismica	-5.4	-0.65	-0.27
Sismica	-5.6	-0.7	-0.27
Sismica	-5.8	-0.75	-0.27
Sismica	-6	-0.81	-0.27
Sismica	-6.2	-0.86	-0.27
Sismica	-6.4	-0.91	-0.27
Sismica	-6.6	-0.98	-0.34
Sismica	-6.8	-1.18	-1.01
Sismica	-7	-1.64	-2.28
Sismica	-7.2	-2.47	-4.15
Sismica	-7.4	-3.79	-6.62
Sismica	-7.6	-5.73	-9.68
Sismica	-7.8	-8.4	-13.36
Sismica	-8	-11.98	-17.9
Sismica	-8.2	-16.64	-23.29
Sismica	-8.4	-20.78	-20.7
Sismica	-8.6	-24.33	-17.77
Sismica	-8.8	-27.31	-14.87
Sismica	-9	-29.74	-12.17
Sismica	-9.2	-31.69	-9.73
Sismica	-9.4	-33.18	-7.47
Sismica	-9.6	-34.25	-5.36
Sismica	-9.8	-34.94	-3.42
Sismica	-10	-35.26	-1.64
Sismica	-10.2	-35.27	-0.01
Sismica	-10.4	-34.97	1.46
Sismica	-10.6	-34.42	2.79
Sismica	-10.8	-33.62	3.97
Sismica	-11	-32.62	5.02
Sismica	-11.2	-31.43	5.94
Sismica	-11.4	-30.08	6.73
Sismica	-11.6	-28.6	7.41
Sismica	-11.8	-27.01	7.96
Sismica	-12	-25.32	8.41
Sismica	-12.2	-23.57	8.76
Sismica	-12.4	-21.77	9.01
Sismica	-12.6	-19.94	9.16
Sismica	-12.8	-18.1	9.22
Sismica	-13	-16.26	9.19
Sismica	-13.2	-14.44	9.08
Sismica	-13.4	-12.67	8.88

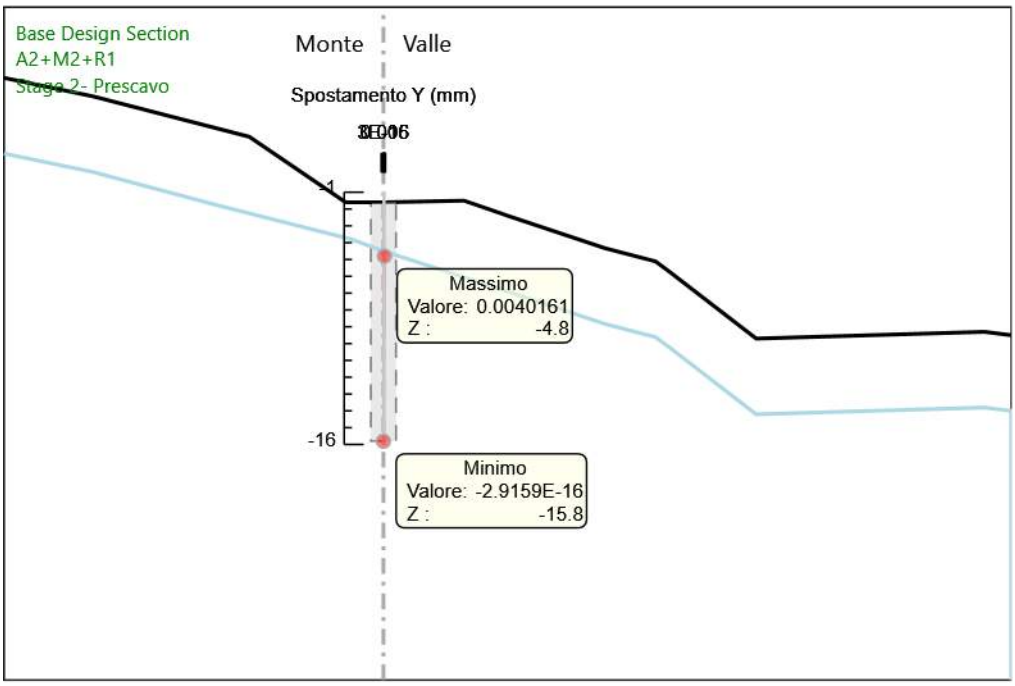
Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Sismica	-13.6	-10.95	8.6
Sismica	-13.8	-9.3	8.25
Sismica	-14	-7.73	7.82
Sismica	-14.2	-6.27	7.31
Sismica	-14.4	-4.92	6.73
Sismica	-14.6	-3.71	6.07
Sismica	-14.8	-2.64	5.35
Sismica	-15	-1.73	4.54
Sismica	-15.2	-1	3.67
Sismica	-15.4	-0.46	2.72
Sismica	-15.6	-0.12	1.69
Sismica	-15.8	0	0.59

6.3.8. Grafico Spostamento A2+M2+R1 - Stage: Stage 1



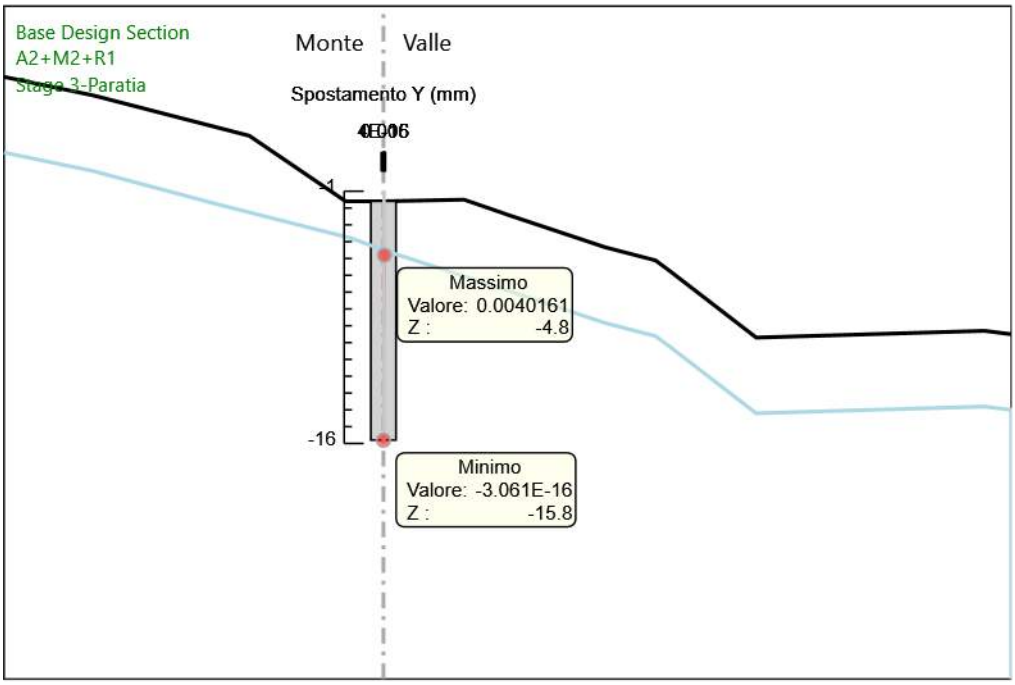
Design Assumption: A2+M2+R1
Stage: Stage 1
Spostamento orizzontale

6.3.9. Grafico Spostamento A2+M2+R1 - Stage: Stage 2- Prescavo



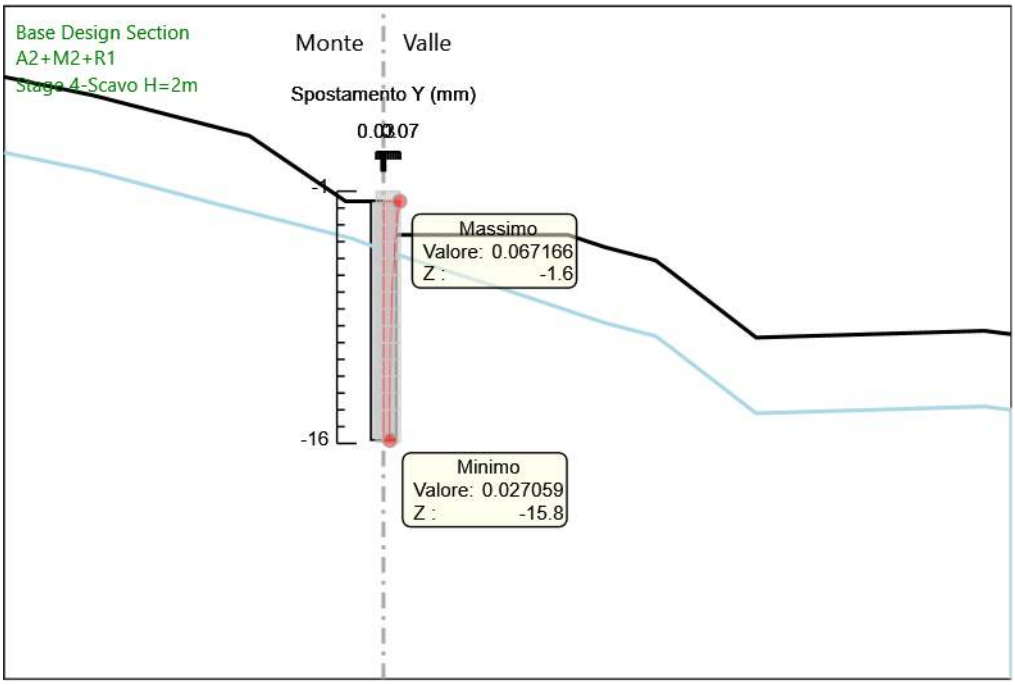
Design Assumption: A2+M2+R1
Stage: Stage 2- Prescavo
Spostamento orizzontale

6.3.10. Grafico Spostamento A2+M2+R1 - Stage: Stage 3-Paratia



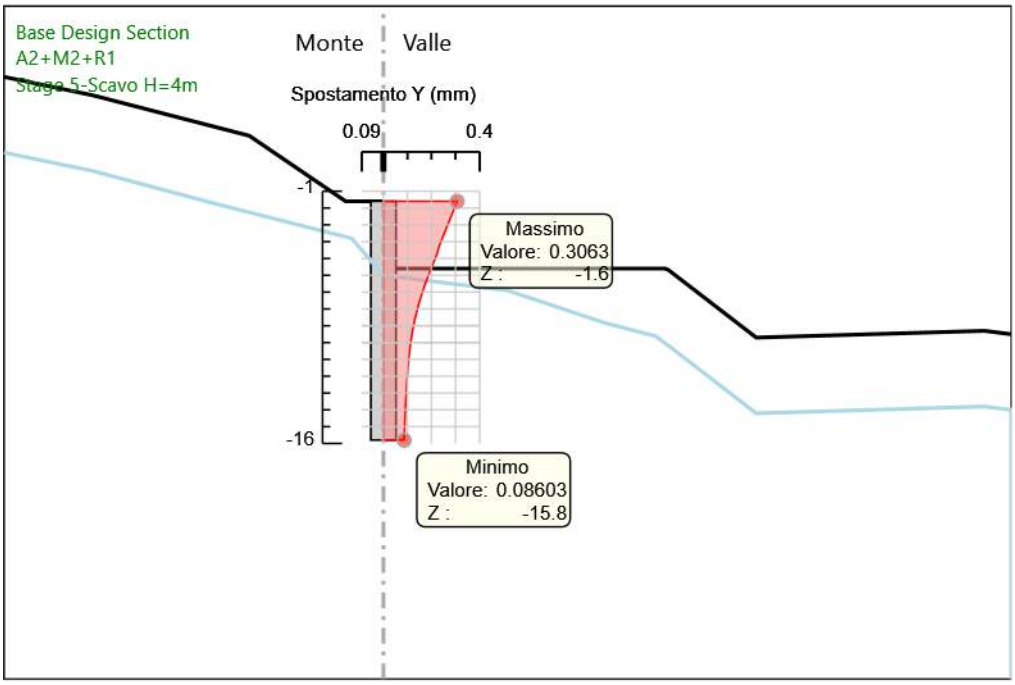
Design Assumption: A2+M2+R1
Stage: Stage 3-Paratia
Spostamento orizzontale

6.3.11. Grafico Spostamento A2+M2+R1 - Stage: Stage 4-Scavo H=2m



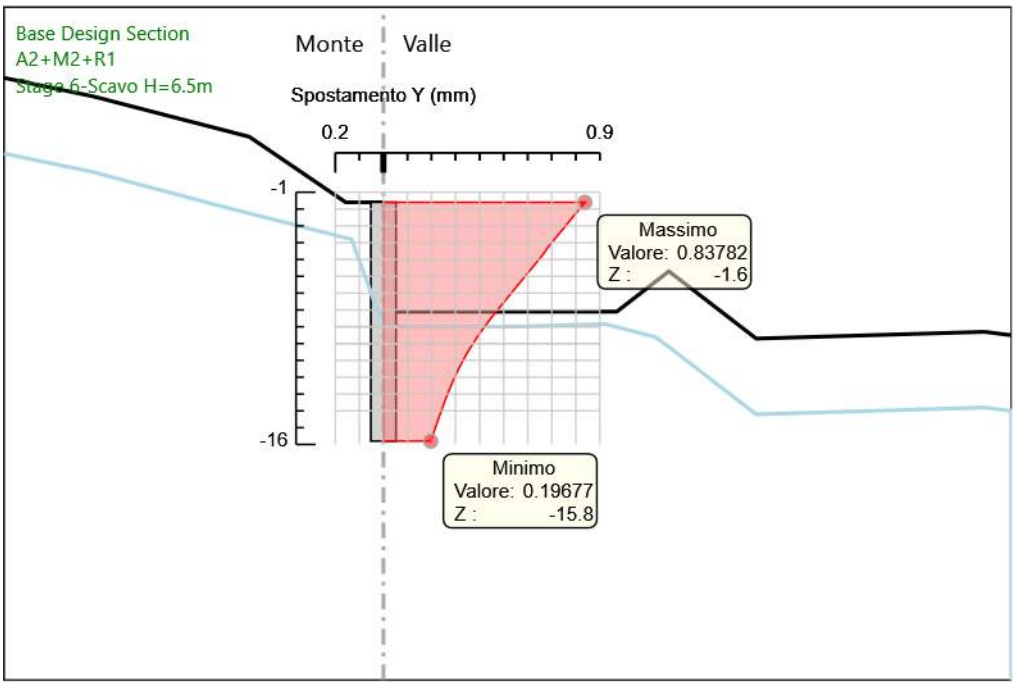
Design Assumption: A2+M2+R1
Stage: Stage 4-Scavo H=2m
Spostamento orizzontale

6.3.12. Grafico Spostamento A2+M2+R1 - Stage: Stage 5-Scavo H=4m



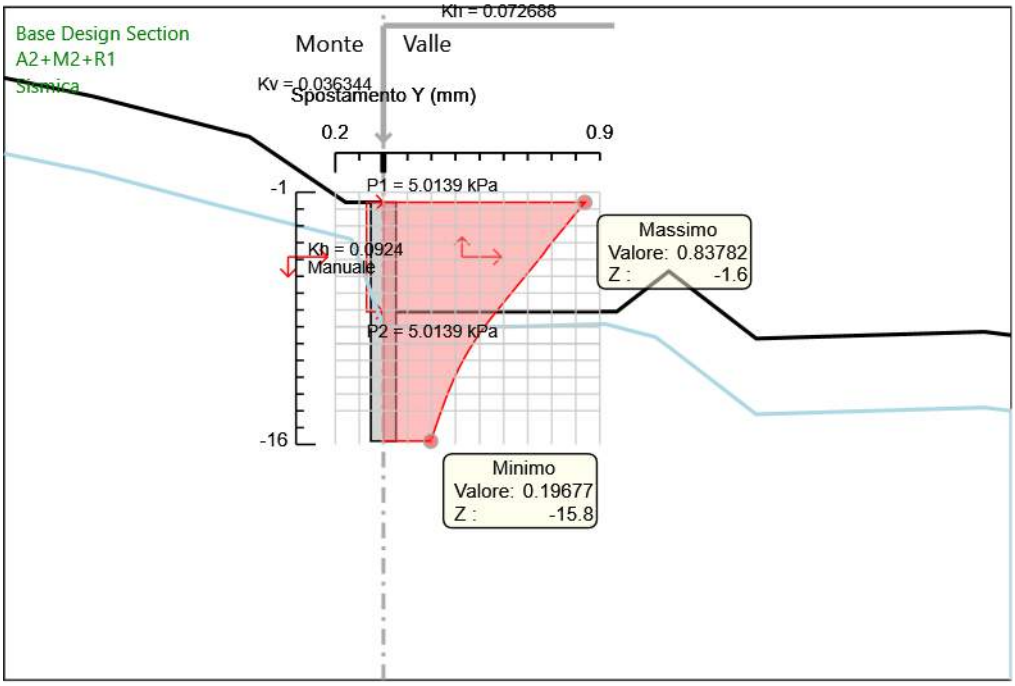
Design Assumption: A2+M2+R1
Stage: Stage 5-Scavo H=4m
Spostamento orizzontale

6.3.13. Grafico Spostamento A2+M2+R1 - Stage: Stage 6-Scavo H=6.5m



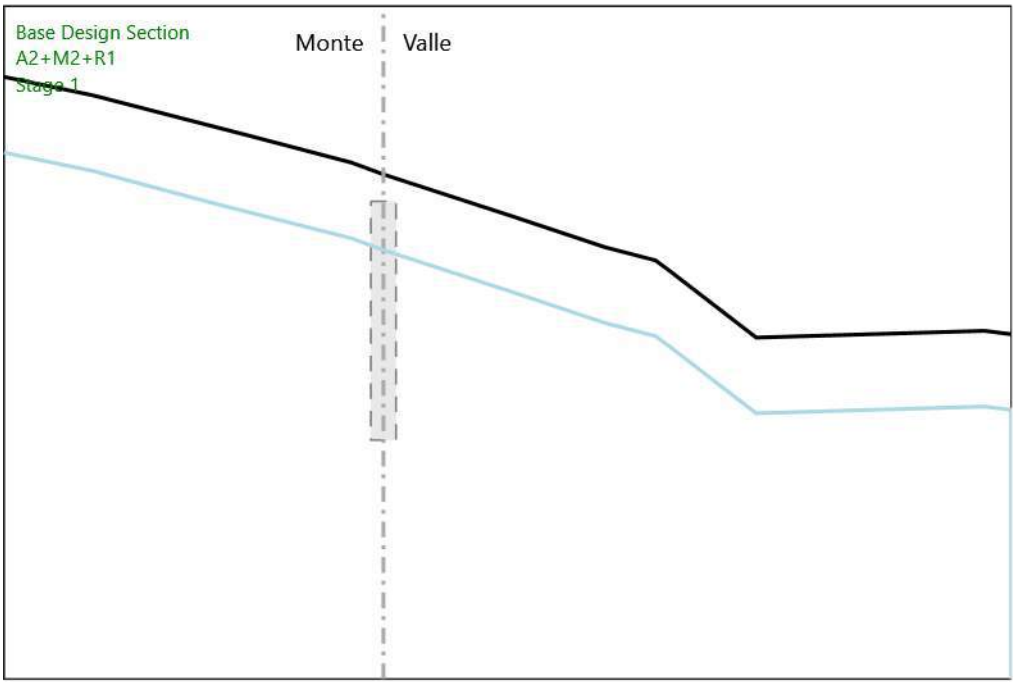
Design Assumption: A2+M2+R1
Stage: Stage 6-Scavo H=6.5m
Spostamento orizzontale

6.3.14. Grafico Spostamento A2+M2+R1 - Stage: Sismica



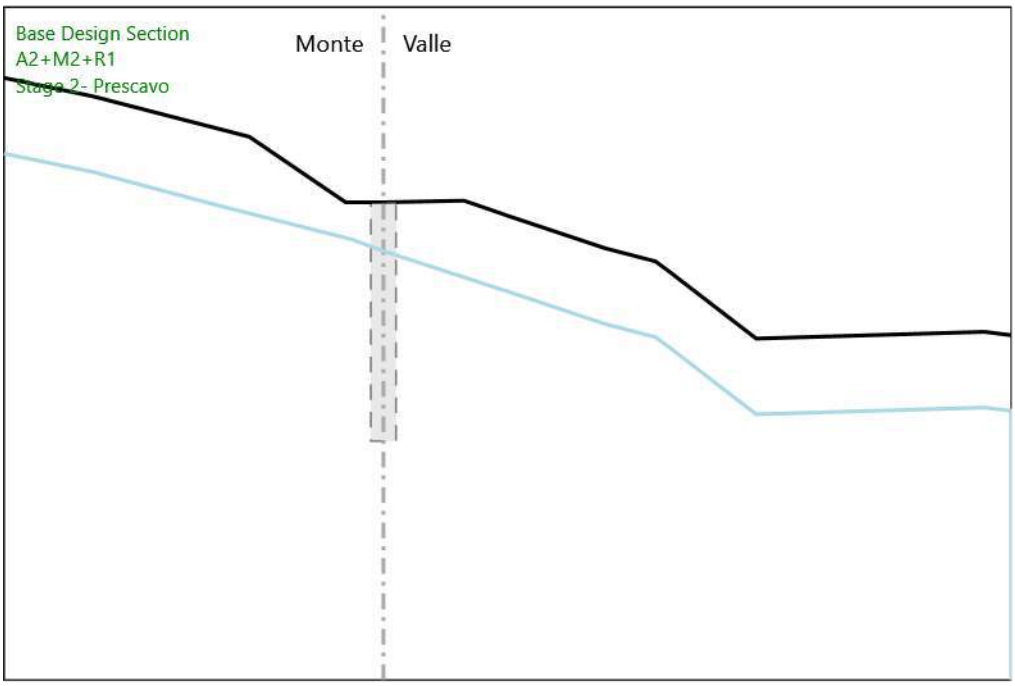
Design Assumption: A2+M2+R1
Stage: Sismica
Spostamento orizzontale

6.3.15. Grafico Risultati Momento A2+M2+R1 - Stage: Stage 1



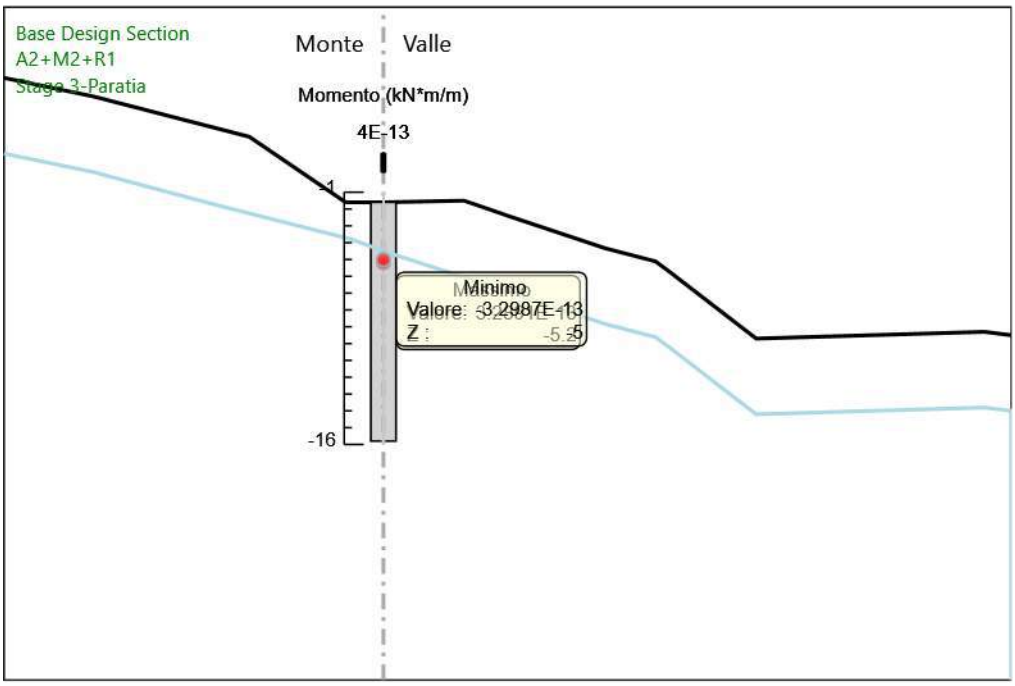
Design Assumption: A2+M2+R1
Stage: Stage 1
Momento

6.3.16. Grafico Risultati Momento A2+M2+R1 - Stage: Stage 2- Prescavo



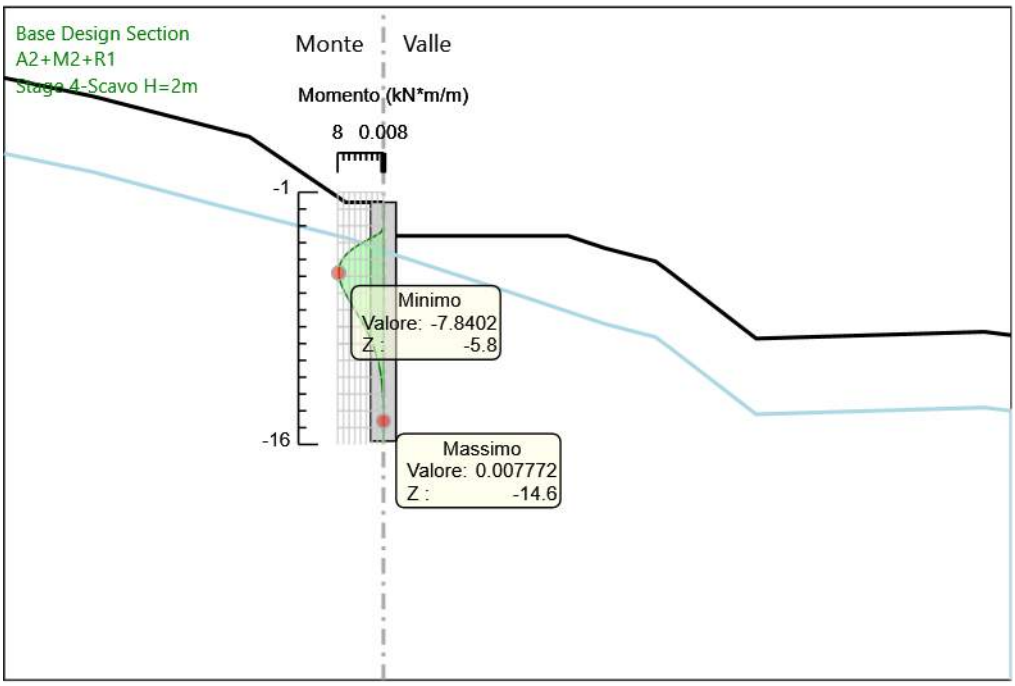
Design Assumption: A2+M2+R1
Stage: Stage 2- Prescavo
Momento

6.3.17. Grafico Risultati Momento A2+M2+R1 - Stage: Stage 3-Paratia



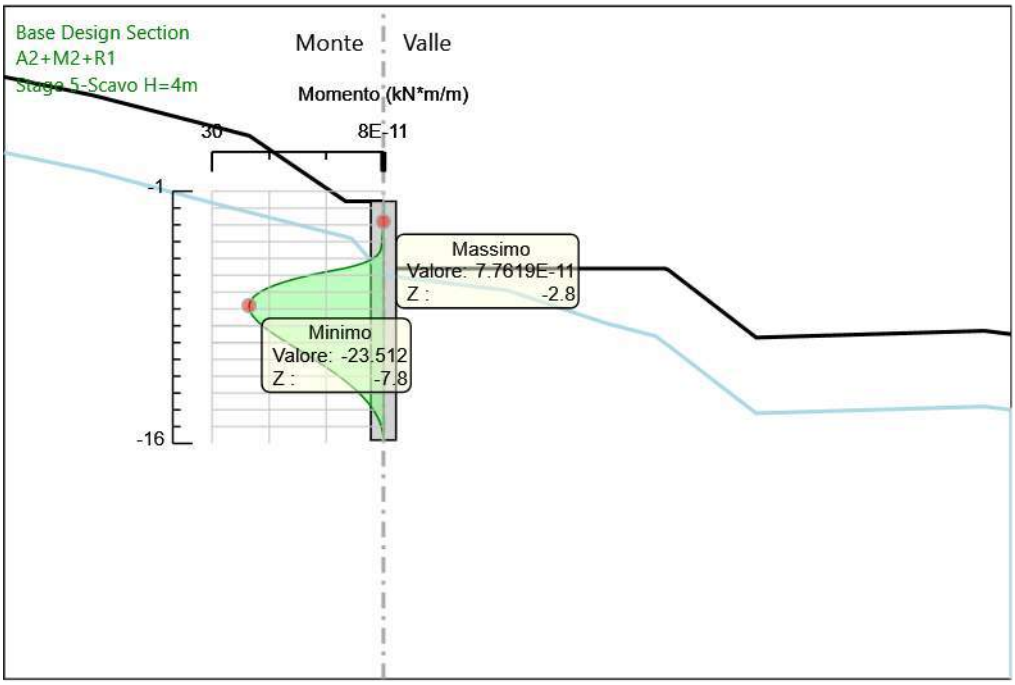
Design Assumption: A2+M2+R1
Stage: Stage 3-Paratia
Momento

6.3.18. Grafico Risultati Momento A2+M2+R1 - Stage: Stage 4-Scavo H=2m



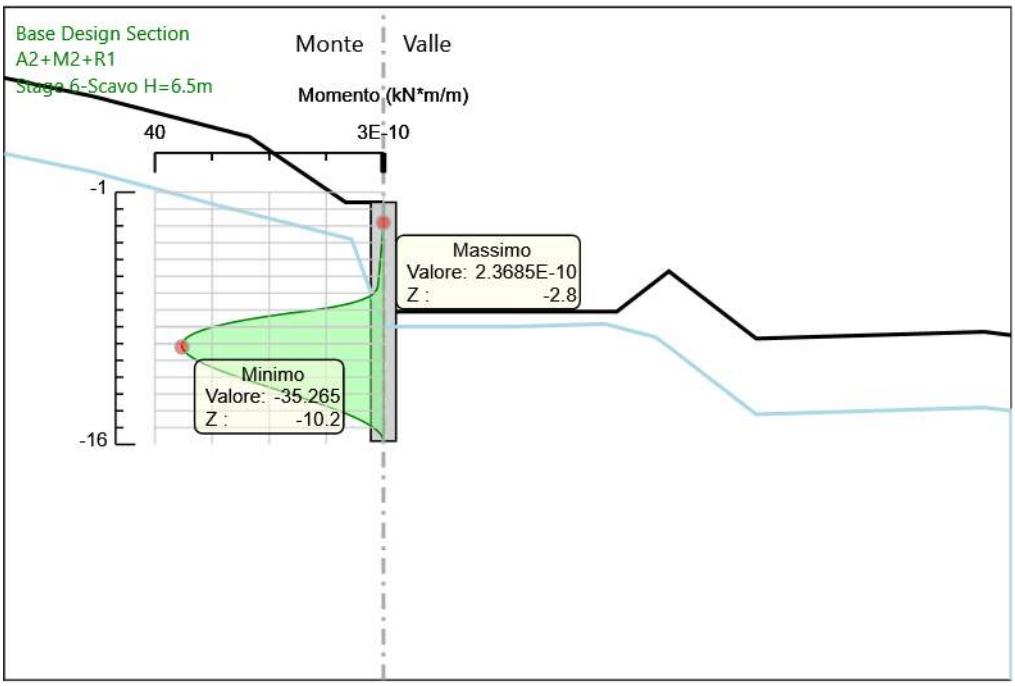
Design Assumption: A2+M2+R1
Stage: Stage 4-Scavo H=2m
Momento

6.3.19. Grafico Risultati Momento A2+M2+R1 - Stage: Stage 5-Scavo H=4m



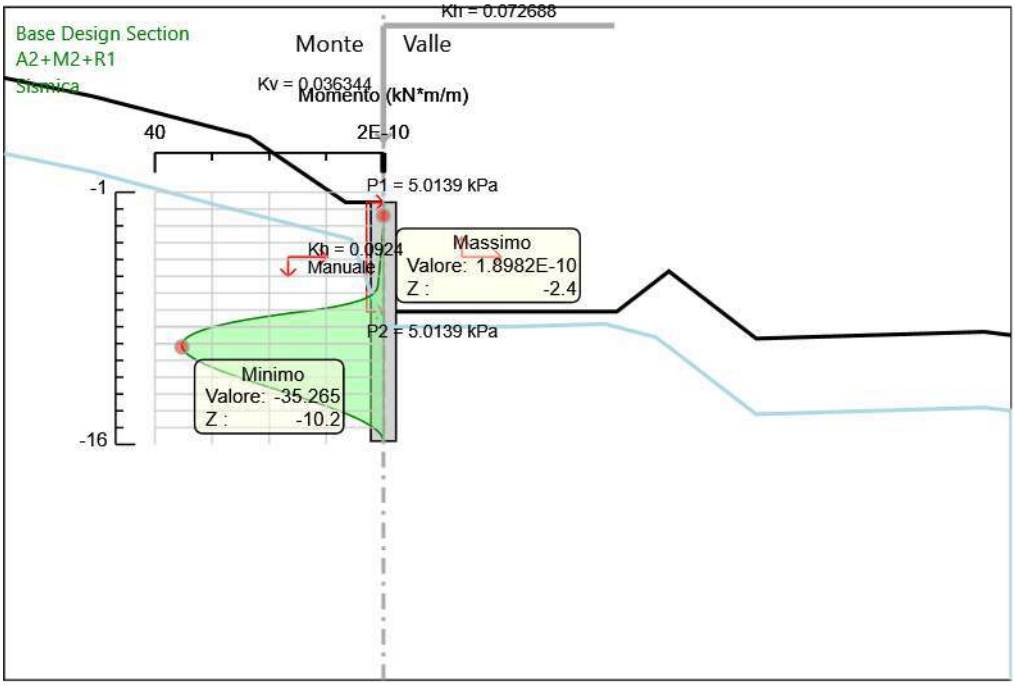
Design Assumption: A2+M2+R1
Stage: Stage 5-Scavo H=4m
Momento

6.3.20. Grafico Risultati Momento A2+M2+R1 - Stage: Stage 6-Scavo H=6.5m



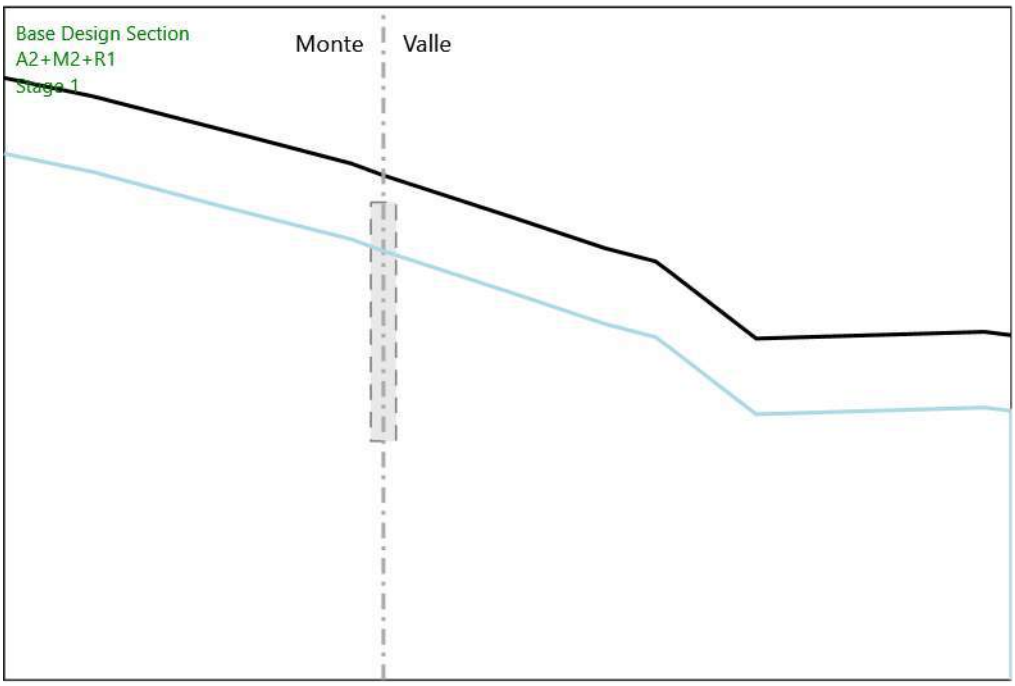
Design Assumption: A2+M2+R1
Stage: Stage 6-Scavo H=6.5m
Momento

6.3.21. Grafico Risultati Momento A2+M2+R1 - Stage: Sismica



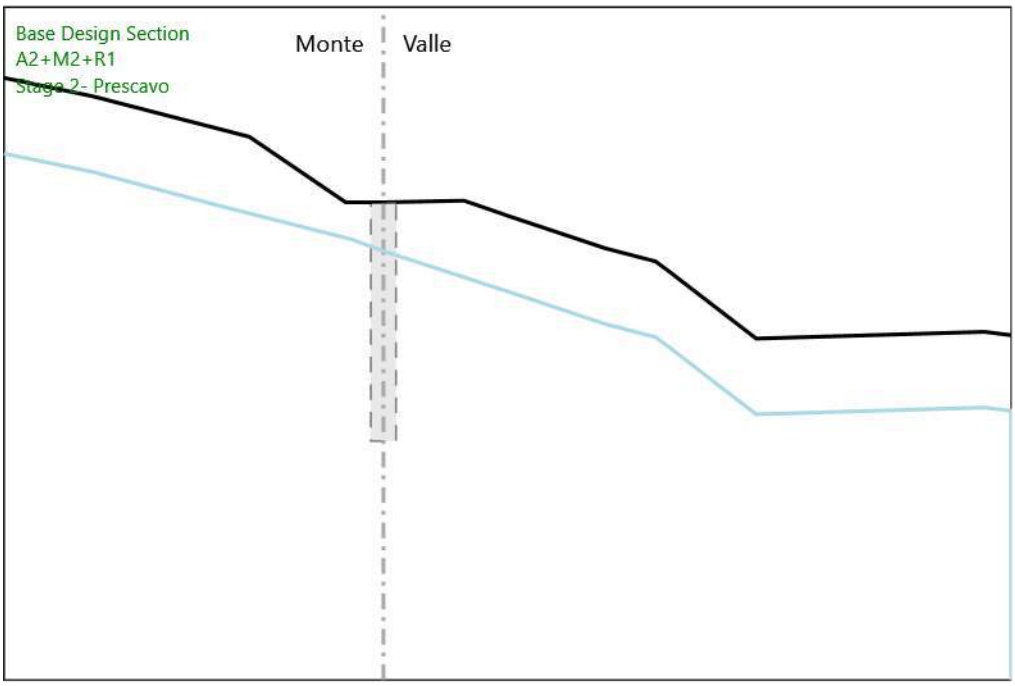
Design Assumption: A2+M2+R1
Stage: Sismica
Momento

6.3.22. Grafico Risultati Taglio A2+M2+R1 - Stage: Stage 1



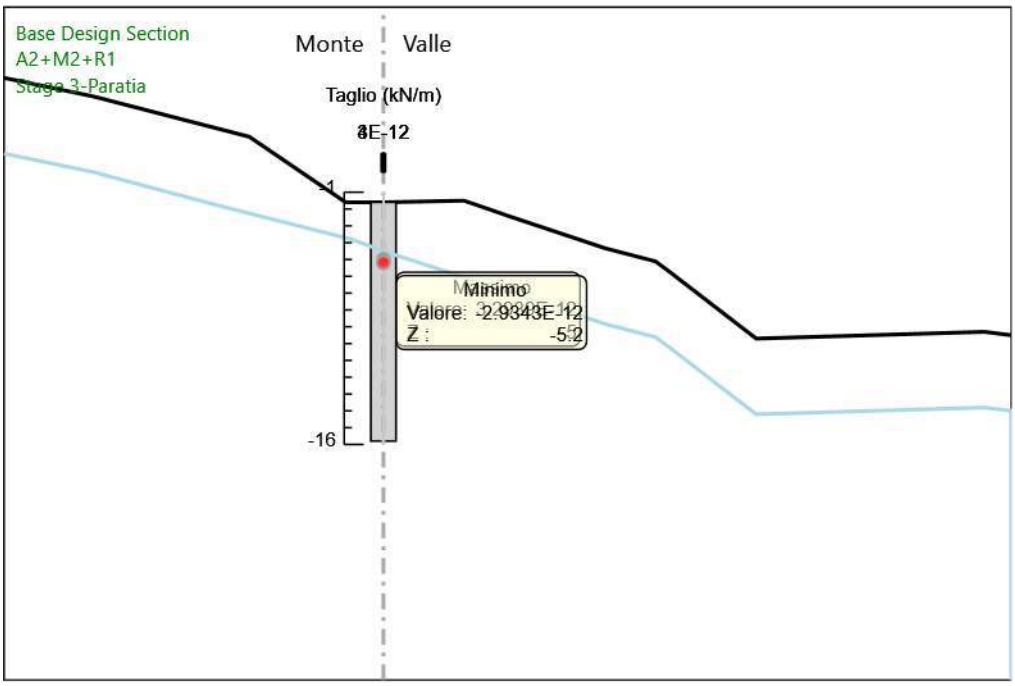
Design Assumption: A2+M2+R1
Stage: Stage 1
Taglio

6.3.23. Grafico Risultati Taglio A2+M2+R1 - Stage: Stage 2- Prescavo



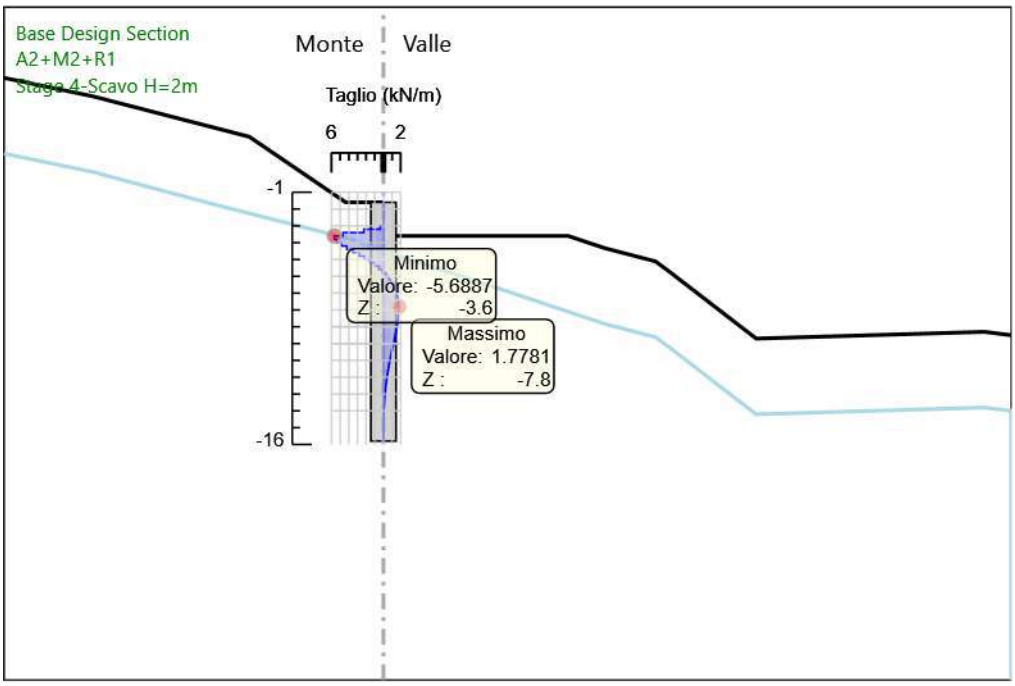
Design Assumption: A2+M2+R1
Stage: Stage 2- Prescavo
Taglio

6.3.24. Grafico Risultati Taglio A2+M2+R1 - Stage: Stage 3-Paratia



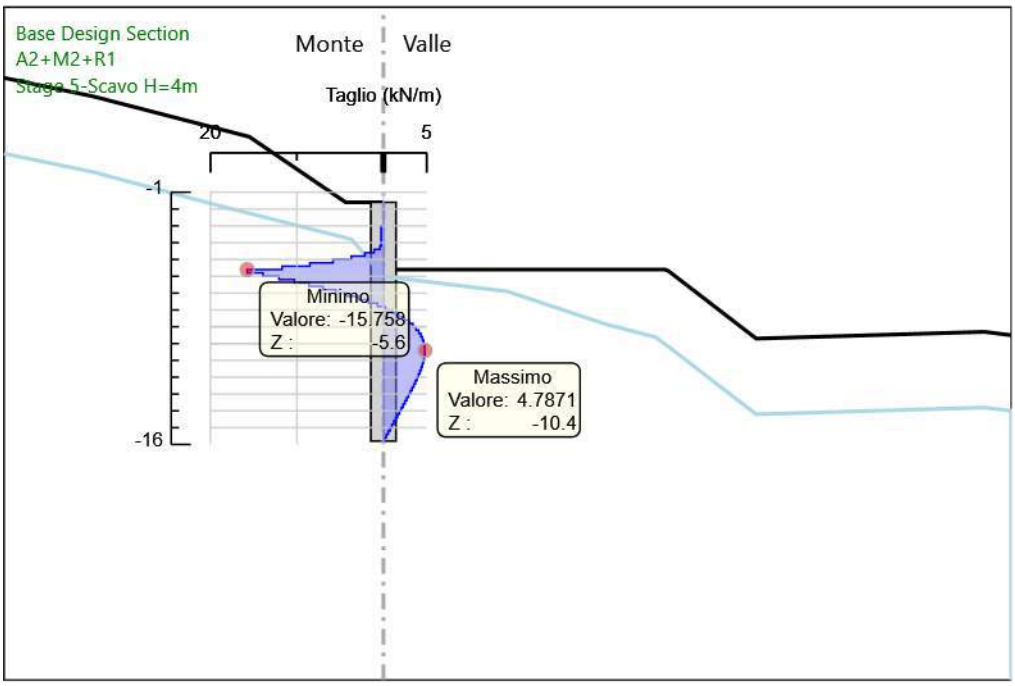
Design Assumption: A2+M2+R1
Stage: Stage 3-Paratia
Taglio

6.3.25. Grafico Risultati Taglio A2+M2+R1 - Stage: Stage 4-Scavo H=2m



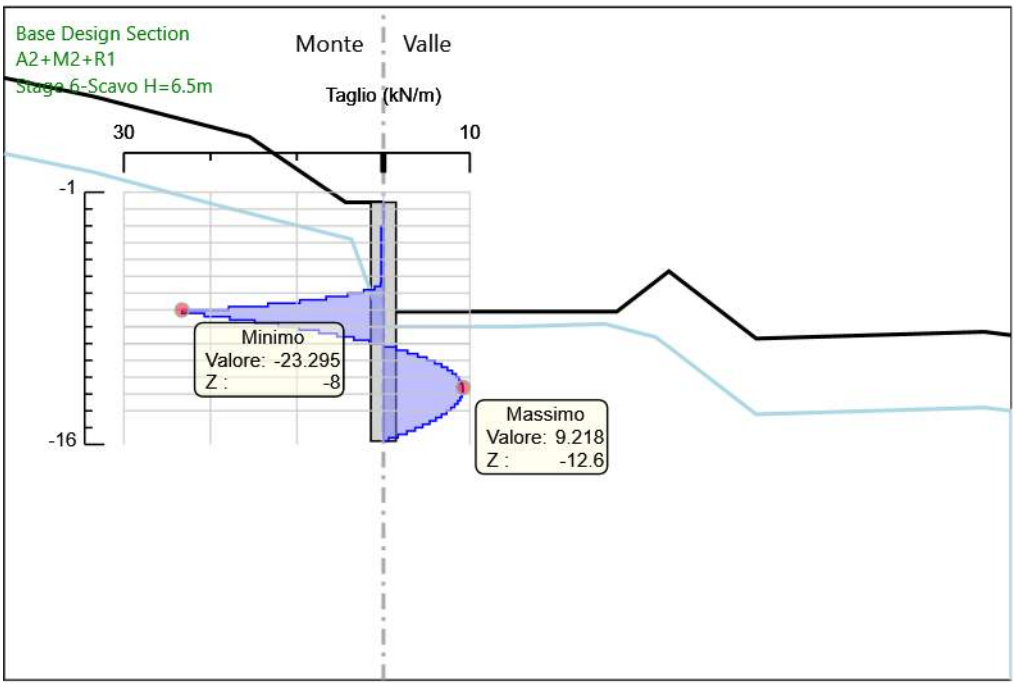
Design Assumption: A2+M2+R1
Stage: Stage 4-Scavo H=2m
Taglio

6.3.26. Grafico Risultati Taglio A2+M2+R1 - Stage: Stage 5-Scavo H=4m



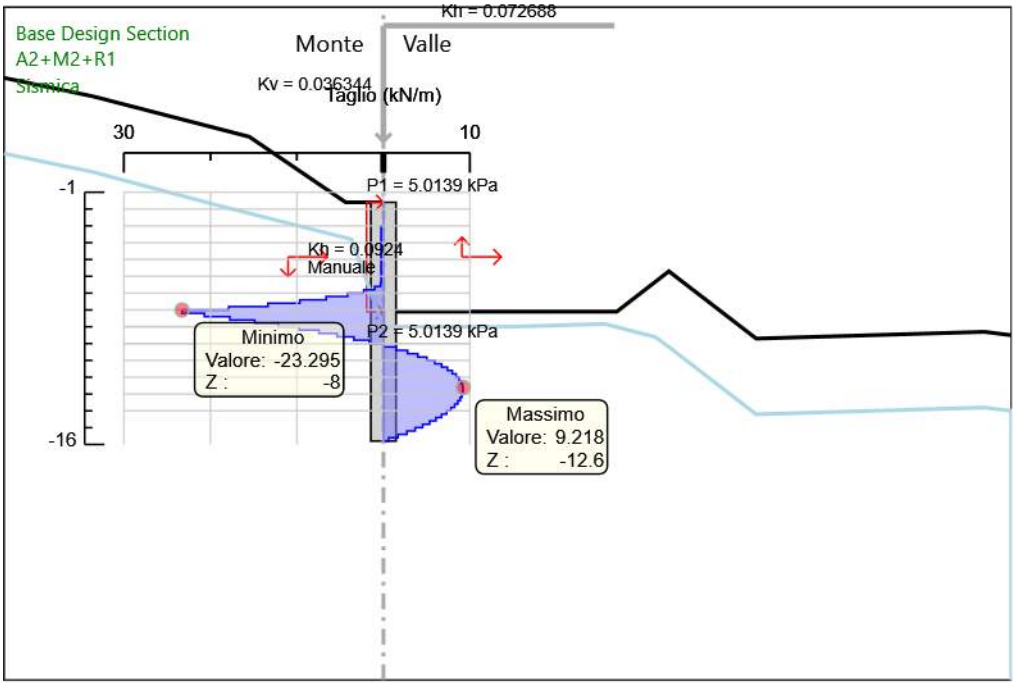
Design Assumption: A2+M2+R1
Stage: Stage 5-Scavo H=4m
Taglio

6.3.27. Grafico Risultati Taglio A2+M2+R1 - Stage: Stage 6-Scavo H=6.5m



Design Assumption: A2+M2+R1
Stage: Stage 6-Scavo H=6.5m
Taglio

6.3.28. Grafico Risultati Taglio A2+M2+R1 - Stage: Sismica



Design Assumption: A2+M2+R1
Stage: Sismica
Taglio

6.4. Risultati SISMICA STR

6.4.1. Tabella Risultati Paratia SISMICA STR - Left Wall - Stage: Stage 1

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	-1.6	0	0
Stage 1	-1.8	0	0
Stage 1	-2	0	0
Stage 1	-2.2	0	0
Stage 1	-2.4	0	0
Stage 1	-2.6	0	0
Stage 1	-2.8	0	0
Stage 1	-3	0	0
Stage 1	-3.2	0	0
Stage 1	-3.4	0	0
Stage 1	-3.6	0	0
Stage 1	-3.8	0	0
Stage 1	-4	0	0
Stage 1	-4.2	0	0
Stage 1	-4.4	0	0
Stage 1	-4.6	0	0
Stage 1	-4.8	0	0
Stage 1	-5	0	0
Stage 1	-5.2	0	0
Stage 1	-5.4	0	0
Stage 1	-5.6	0	0
Stage 1	-5.8	0	0
Stage 1	-6	0	0
Stage 1	-6.2	0	0
Stage 1	-6.4	0	0
Stage 1	-6.6	0	0
Stage 1	-6.8	0	0
Stage 1	-7	0	0
Stage 1	-7.2	0	0
Stage 1	-7.4	0	0
Stage 1	-7.6	0	0
Stage 1	-7.8	0	0
Stage 1	-8	0	0
Stage 1	-8.2	0	0
Stage 1	-8.4	0	0
Stage 1	-8.6	0	0
Stage 1	-8.8	0	0
Stage 1	-9	0	0
Stage 1	-9.2	0	0
Stage 1	-9.4	0	0
Stage 1	-9.6	0	0
Stage 1	-9.8	0	0
Stage 1	-10	0	0
Stage 1	-10.2	0	0
Stage 1	-10.4	0	0
Stage 1	-10.6	0	0
Stage 1	-10.8	0	0
Stage 1	-11	0	0
Stage 1	-11.2	0	0
Stage 1	-11.4	0	0
Stage 1	-11.6	0	0
Stage 1	-11.8	0	0
Stage 1	-12	0	0
Stage 1	-12.2	0	0
Stage 1	-12.4	0	0
Stage 1	-12.6	0	0
Stage 1	-12.8	0	0
Stage 1	-13	0	0
Stage 1	-13.2	0	0
Stage 1	-13.4	0	0
Stage 1	-13.6	0	0
Stage 1	-13.8	0	0
Stage 1	-14	0	0
Stage 1	-14.2	0	0

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 1	-14.4	0	0
Stage 1	-14.6	0	0
Stage 1	-14.8	0	0
Stage 1	-15	0	0
Stage 1	-15.2	0	0
Stage 1	-15.4	0	0
Stage 1	-15.6	0	0
Stage 1	-15.8	0	0

6.4.2. Tabella Risultati Paratia SISMICA STR - Left Wall - Stage: Stage 2- Prescavo

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2- Prescavo	-1.6	0	0
Stage 2- Prescavo	-1.8	0	0
Stage 2- Prescavo	-2	0	0
Stage 2- Prescavo	-2.2	0	0
Stage 2- Prescavo	-2.4	0	0
Stage 2- Prescavo	-2.6	0	0
Stage 2- Prescavo	-2.8	0	0
Stage 2- Prescavo	-3	0	0
Stage 2- Prescavo	-3.2	0	0
Stage 2- Prescavo	-3.4	0	0
Stage 2- Prescavo	-3.6	0	0
Stage 2- Prescavo	-3.8	0	0
Stage 2- Prescavo	-4	0	0
Stage 2- Prescavo	-4.2	0	0
Stage 2- Prescavo	-4.4	0	0
Stage 2- Prescavo	-4.6	0	0
Stage 2- Prescavo	-4.8	0	0
Stage 2- Prescavo	-5	0	0
Stage 2- Prescavo	-5.2	0	0
Stage 2- Prescavo	-5.4	0	0
Stage 2- Prescavo	-5.6	0	0
Stage 2- Prescavo	-5.8	0	0
Stage 2- Prescavo	-6	0	0
Stage 2- Prescavo	-6.2	0	0
Stage 2- Prescavo	-6.4	0	0
Stage 2- Prescavo	-6.6	0	0
Stage 2- Prescavo	-6.8	0	0
Stage 2- Prescavo	-7	0	0
Stage 2- Prescavo	-7.2	0	0
Stage 2- Prescavo	-7.4	0	0
Stage 2- Prescavo	-7.6	0	0
Stage 2- Prescavo	-7.8	0	0
Stage 2- Prescavo	-8	0	0
Stage 2- Prescavo	-8.2	0	0
Stage 2- Prescavo	-8.4	0	0
Stage 2- Prescavo	-8.6	0	0
Stage 2- Prescavo	-8.8	0	0
Stage 2- Prescavo	-9	0	0
Stage 2- Prescavo	-9.2	0	0
Stage 2- Prescavo	-9.4	0	0
Stage 2- Prescavo	-9.6	0	0
Stage 2- Prescavo	-9.8	0	0
Stage 2- Prescavo	-10	0	0
Stage 2- Prescavo	-10.2	0	0
Stage 2- Prescavo	-10.4	0	0
Stage 2- Prescavo	-10.6	0	0
Stage 2- Prescavo	-10.8	0	0
Stage 2- Prescavo	-11	0	0
Stage 2- Prescavo	-11.2	0	0
Stage 2- Prescavo	-11.4	0	0
Stage 2- Prescavo	-11.6	0	0
Stage 2- Prescavo	-11.8	0	0
Stage 2- Prescavo	-12	0	0
Stage 2- Prescavo	-12.2	0	0
Stage 2- Prescavo	-12.4	0	0
Stage 2- Prescavo	-12.6	0	0
Stage 2- Prescavo	-12.8	0	0
Stage 2- Prescavo	-13	0	0
Stage 2- Prescavo	-13.2	0	0
Stage 2- Prescavo	-13.4	0	0
Stage 2- Prescavo	-13.6	0	0
Stage 2- Prescavo	-13.8	0	0
Stage 2- Prescavo	-14	0	0
Stage 2- Prescavo	-14.2	0	0
Stage 2- Prescavo	-14.4	0	0
Stage 2- Prescavo	-14.6	0	0
Stage 2- Prescavo	-14.8	0	0

Design Assumption: SISMICA STR Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2- Prescavo	-15	0	0
Stage 2- Prescavo	-15.2	0	0
Stage 2- Prescavo	-15.4	0	0
Stage 2- Prescavo	-15.6	0	0
Stage 2- Prescavo	-15.8	0	0

6.4.3. Tabella Risultati Paratia SISMICA STR - Left Wall - Stage: Stage 3-Paratia

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-1.6	0	0
Stage 3-Paratia	-1.8	0	0
Stage 3-Paratia	-2	0	0
Stage 3-Paratia	-2.2	0	0
Stage 3-Paratia	-2.4	0	0
Stage 3-Paratia	-2.6	0	0
Stage 3-Paratia	-2.8	0	0
Stage 3-Paratia	-3	0	0
Stage 3-Paratia	-3.2	0	0
Stage 3-Paratia	-3.4	0	0
Stage 3-Paratia	-3.6	0	0
Stage 3-Paratia	-3.8	0	0
Stage 3-Paratia	-4	0	0
Stage 3-Paratia	-4.2	0	0
Stage 3-Paratia	-4.2	0	0
Stage 3-Paratia	-4.4	0	0
Stage 3-Paratia	-4.4	0	0
Stage 3-Paratia	-4.6	0	0
Stage 3-Paratia	-4.6	0	0
Stage 3-Paratia	-4.8	0	0
Stage 3-Paratia	-4.8	0	0
Stage 3-Paratia	-5	0	0
Stage 3-Paratia	-5	0	0
Stage 3-Paratia	-5.2	0	0
Stage 3-Paratia	-5.2	0	0
Stage 3-Paratia	-5.4	0	0
Stage 3-Paratia	-5.4	0	0
Stage 3-Paratia	-5.6	0	0
Stage 3-Paratia	-5.6	0	0
Stage 3-Paratia	-5.8	0	0
Stage 3-Paratia	-5.8	0	0
Stage 3-Paratia	-6	0	0
Stage 3-Paratia	-6	0	0
Stage 3-Paratia	-6.2	0	0
Stage 3-Paratia	-6.2	0	0
Stage 3-Paratia	-6.4	0	0
Stage 3-Paratia	-6.4	0	0
Stage 3-Paratia	-6.6	0	0
Stage 3-Paratia	-6.6	0	0
Stage 3-Paratia	-6.8	0	0
Stage 3-Paratia	-6.8	0	0
Stage 3-Paratia	-7	0	0
Stage 3-Paratia	-7	0	0
Stage 3-Paratia	-7.2	0	0
Stage 3-Paratia	-7.2	0	0
Stage 3-Paratia	-7.4	0	0
Stage 3-Paratia	-7.4	0	0
Stage 3-Paratia	-7.6	0	0
Stage 3-Paratia	-7.6	0	0
Stage 3-Paratia	-7.8	0	0
Stage 3-Paratia	-7.8	0	0
Stage 3-Paratia	-8	0	0
Stage 3-Paratia	-8	0	0
Stage 3-Paratia	-8.2	0	0
Stage 3-Paratia	-8.2	0	0
Stage 3-Paratia	-8.4	0	0
Stage 3-Paratia	-8.4	0	0
Stage 3-Paratia	-8.6	0	0
Stage 3-Paratia	-8.6	0	0
Stage 3-Paratia	-8.8	0	0
Stage 3-Paratia	-8.8	0	0
Stage 3-Paratia	-9	0	0
Stage 3-Paratia	-9	0	0
Stage 3-Paratia	-9.2	0	0
Stage 3-Paratia	-9.2	0	0
Stage 3-Paratia	-9.4	0	0
Stage 3-Paratia	-9.4	0	0

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-9.6	0	0
Stage 3-Paratia	-9.6	0	0
Stage 3-Paratia	-9.8	0	0
Stage 3-Paratia	-9.8	0	0
Stage 3-Paratia	-10	0	0
Stage 3-Paratia	-10	0	0
Stage 3-Paratia	-10.2	0	0
Stage 3-Paratia	-10.2	0	0
Stage 3-Paratia	-10.4	0	0
Stage 3-Paratia	-10.4	0	0
Stage 3-Paratia	-10.6	0	0
Stage 3-Paratia	-10.6	0	0
Stage 3-Paratia	-10.8	0	0
Stage 3-Paratia	-10.8	0	0
Stage 3-Paratia	-11	0	0
Stage 3-Paratia	-11	0	0
Stage 3-Paratia	-11.2	0	0
Stage 3-Paratia	-11.2	0	0
Stage 3-Paratia	-11.4	0	0
Stage 3-Paratia	-11.4	0	0
Stage 3-Paratia	-11.6	0	0
Stage 3-Paratia	-11.6	0	0
Stage 3-Paratia	-11.8	0	0
Stage 3-Paratia	-11.8	0	0
Stage 3-Paratia	-12	0	0
Stage 3-Paratia	-12	0	0
Stage 3-Paratia	-12.2	0	0
Stage 3-Paratia	-12.2	0	0
Stage 3-Paratia	-12.4	0	0
Stage 3-Paratia	-12.4	0	0
Stage 3-Paratia	-12.6	0	0
Stage 3-Paratia	-12.6	0	0
Stage 3-Paratia	-12.8	0	0
Stage 3-Paratia	-12.8	0	0
Stage 3-Paratia	-13	0	0
Stage 3-Paratia	-13	0	0
Stage 3-Paratia	-13.2	0	0
Stage 3-Paratia	-13.2	0	0
Stage 3-Paratia	-13.4	0	0
Stage 3-Paratia	-13.4	0	0
Stage 3-Paratia	-13.6	0	0
Stage 3-Paratia	-13.6	0	0
Stage 3-Paratia	-13.8	0	0
Stage 3-Paratia	-13.8	0	0
Stage 3-Paratia	-14	0	0
Stage 3-Paratia	-14	0	0
Stage 3-Paratia	-14.2	0	0
Stage 3-Paratia	-14.2	0	0
Stage 3-Paratia	-14.4	0	0
Stage 3-Paratia	-14.4	0	0
Stage 3-Paratia	-14.6	0	0
Stage 3-Paratia	-14.6	0	0
Stage 3-Paratia	-14.8	0	0
Stage 3-Paratia	-14.8	0	0
Stage 3-Paratia	-15	0	0
Stage 3-Paratia	-15	0	0
Stage 3-Paratia	-15.2	0	0
Stage 3-Paratia	-15.2	0	0
Stage 3-Paratia	-15.4	0	0
Stage 3-Paratia	-15.4	0	0
Stage 3-Paratia	-15.6	0	0
Stage 3-Paratia	-15.6	0	0
Stage 3-Paratia	-15.8	0	0

6.4.4. Tabella Risultati Paratia SISMICA STR - Left Wall - Stage: Stage 4-Scavo H=2m

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=2m	-1.6	0	0
Stage 4-Scavo H=2m	-1.8	0	0
Stage 4-Scavo H=2m	-1.8	0	0
Stage 4-Scavo H=2m	-2	0	0
Stage 4-Scavo H=2m	-2	0	0
Stage 4-Scavo H=2m	-2.2	0	0
Stage 4-Scavo H=2m	-2.2	0	0
Stage 4-Scavo H=2m	-2.4	0	0
Stage 4-Scavo H=2m	-2.4	0	0
Stage 4-Scavo H=2m	-2.6	0	0
Stage 4-Scavo H=2m	-2.6	0	0
Stage 4-Scavo H=2m	-2.8	0	0
Stage 4-Scavo H=2m	-2.8	0	0
Stage 4-Scavo H=2m	-3	0	0
Stage 4-Scavo H=2m	-3	0	0
Stage 4-Scavo H=2m	-3.2	-0.04	-0.19
Stage 4-Scavo H=2m	-3.4	-0.41	-1.88
Stage 4-Scavo H=2m	-3.6	-1.24	-4.13
Stage 4-Scavo H=2m	-3.8	-2.29	-5.22
Stage 4-Scavo H=2m	-4	-3.29	-5.02
Stage 4-Scavo H=2m	-4.2	-4.2	-4.56
Stage 4-Scavo H=2m	-4.4	-5	-3.97
Stage 4-Scavo H=2m	-4.6	-5.66	-3.34
Stage 4-Scavo H=2m	-4.8	-6.2	-2.68
Stage 4-Scavo H=2m	-5	-6.61	-2.07
Stage 4-Scavo H=2m	-5.2	-6.91	-1.5
Stage 4-Scavo H=2m	-5.4	-7.11	-0.99
Stage 4-Scavo H=2m	-5.6	-7.22	-0.54
Stage 4-Scavo H=2m	-5.8	-7.25	-0.13
Stage 4-Scavo H=2m	-6	-7.2	0.22
Stage 4-Scavo H=2m	-6.2	-7.09	0.53
Stage 4-Scavo H=2m	-6.4	-6.94	0.79
Stage 4-Scavo H=2m	-6.6	-6.73	1.01
Stage 4-Scavo H=2m	-6.8	-6.49	1.2
Stage 4-Scavo H=2m	-7	-6.23	1.34
Stage 4-Scavo H=2m	-7.2	-5.93	1.45
Stage 4-Scavo H=2m	-7.4	-5.63	1.54
Stage 4-Scavo H=2m	-7.6	-5.31	1.6
Stage 4-Scavo H=2m	-7.8	-4.98	1.63
Stage 4-Scavo H=2m	-8	-4.65	1.64
Stage 4-Scavo H=2m	-8.2	-4.33	1.64
Stage 4-Scavo H=2m	-8.4	-4	1.61
Stage 4-Scavo H=2m	-8.6	-3.69	1.58
Stage 4-Scavo H=2m	-8.8	-3.38	1.53
Stage 4-Scavo H=2m	-9	-3.09	1.48
Stage 4-Scavo H=2m	-9.2	-2.8	1.41
Stage 4-Scavo H=2m	-9.4	-2.53	1.35
Stage 4-Scavo H=2m	-9.6	-2.28	1.27
Stage 4-Scavo H=2m	-9.8	-2.04	1.2
Stage 4-Scavo H=2m	-10	-1.82	1.12
Stage 4-Scavo H=2m	-10.2	-1.61	1.04
Stage 4-Scavo H=2m	-10.4	-1.41	0.96
Stage 4-Scavo H=2m	-10.6	-1.24	0.89
Stage 4-Scavo H=2m	-10.8	-1.07	0.81
Stage 4-Scavo H=2m	-11	-0.93	0.74
Stage 4-Scavo H=2m	-11.2	-0.79	0.67
Stage 4-Scavo H=2m	-11.4	-0.67	0.6
Stage 4-Scavo H=2m	-11.6	-0.57	0.54
Stage 4-Scavo H=2m	-11.8	-0.47	0.48
Stage 4-Scavo H=2m	-12	-0.39	0.42
Stage 4-Scavo H=2m	-12.2	-0.31	0.37
Stage 4-Scavo H=2m	-12.4	-0.25	0.32
Stage 4-Scavo H=2m	-12.6	-0.2	0.27
Stage 4-Scavo H=2m	-12.8	-0.15	0.23
Stage 4-Scavo H=2m	-13	-0.11	0.19
Stage 4-Scavo H=2m	-13.2	-0.08	0.16
Stage 4-Scavo H=2m	-13.4	-0.06	0.13

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 4-Scavo H=2m	-13.6	-0.04	0.1
Stage 4-Scavo H=2m	-13.8	-0.02	0.08
Stage 4-Scavo H=2m	-14	-0.01	0.05
Stage 4-Scavo H=2m	-14.2	0	0.04
Stage 4-Scavo H=2m	-14.4	0	0.02
Stage 4-Scavo H=2m	-14.6	0	0.01
Stage 4-Scavo H=2m	-14.8	0.01	0
Stage 4-Scavo H=2m	-15	0	0
Stage 4-Scavo H=2m	-15.2	0	-0.01
Stage 4-Scavo H=2m	-15.4	0	-0.01
Stage 4-Scavo H=2m	-15.6	0	-0.01
Stage 4-Scavo H=2m	-15.8	0	0

6.4.5. Tabella Risultati Paratia SISMICA STR - Left Wall - Stage: Stage 5-Scavo H=4m

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=4m	-1.6	0	0
Stage 5-Scavo H=4m	-1.8	0	0
Stage 5-Scavo H=4m	-1.8	0	0
Stage 5-Scavo H=4m	-2	0	0
Stage 5-Scavo H=4m	-2	0	0
Stage 5-Scavo H=4m	-2.2	0	0
Stage 5-Scavo H=4m	-2.2	0	0
Stage 5-Scavo H=4m	-2.4	0	0
Stage 5-Scavo H=4m	-2.4	0	0
Stage 5-Scavo H=4m	-2.6	0	0
Stage 5-Scavo H=4m	-2.6	0	0
Stage 5-Scavo H=4m	-2.8	0	0
Stage 5-Scavo H=4m	-2.8	0	0
Stage 5-Scavo H=4m	-3	0	0
Stage 5-Scavo H=4m	-3	0	0
Stage 5-Scavo H=4m	-3.2	0	0
Stage 5-Scavo H=4m	-3.2	0	0
Stage 5-Scavo H=4m	-3.4	0	0
Stage 5-Scavo H=4m	-3.4	0	0
Stage 5-Scavo H=4m	-3.6	0	0
Stage 5-Scavo H=4m	-3.6	0	0
Stage 5-Scavo H=4m	-3.8	0	0
Stage 5-Scavo H=4m	-3.8	0	0
Stage 5-Scavo H=4m	-4	0	0
Stage 5-Scavo H=4m	-4	0	0
Stage 5-Scavo H=4m	-4.2	0	0
Stage 5-Scavo H=4m	-4.2	0	0
Stage 5-Scavo H=4m	-4.4	0	0
Stage 5-Scavo H=4m	-4.4	0	0
Stage 5-Scavo H=4m	-4.6	-0.08	-0.42
Stage 5-Scavo H=4m	-4.8	-0.33	-1.24
Stage 5-Scavo H=4m	-5	-0.84	-2.55
Stage 5-Scavo H=4m	-5.2	-1.72	-4.4
Stage 5-Scavo H=4m	-5.4	-3.08	-6.8
Stage 5-Scavo H=4m	-5.6	-5.03	-9.74
Stage 5-Scavo H=4m	-5.8	-7.73	-13.49
Stage 5-Scavo H=4m	-6	-10.13	-12.04
Stage 5-Scavo H=4m	-6.2	-12.24	-10.51
Stage 5-Scavo H=4m	-6.4	-14.04	-9.04
Stage 5-Scavo H=4m	-6.6	-15.57	-7.62
Stage 5-Scavo H=4m	-6.8	-16.82	-6.28
Stage 5-Scavo H=4m	-7	-17.83	-5.02
Stage 5-Scavo H=4m	-7.2	-18.59	-3.85
Stage 5-Scavo H=4m	-7.4	-19.15	-2.77
Stage 5-Scavo H=4m	-7.6	-19.51	-1.79
Stage 5-Scavo H=4m	-7.8	-19.68	-0.89
Stage 5-Scavo H=4m	-8	-19.7	-0.09
Stage 5-Scavo H=4m	-8.2	-19.58	0.62
Stage 5-Scavo H=4m	-8.4	-19.33	1.25
Stage 5-Scavo H=4m	-8.6	-18.97	1.81
Stage 5-Scavo H=4m	-8.8	-18.51	2.28
Stage 5-Scavo H=4m	-9	-17.97	2.69
Stage 5-Scavo H=4m	-9.2	-17.36	3.04
Stage 5-Scavo H=4m	-9.4	-16.7	3.32
Stage 5-Scavo H=4m	-9.6	-15.99	3.55
Stage 5-Scavo H=4m	-9.8	-15.24	3.73
Stage 5-Scavo H=4m	-10	-14.47	3.86
Stage 5-Scavo H=4m	-10.2	-13.68	3.95
Stage 5-Scavo H=4m	-10.4	-12.88	4
Stage 5-Scavo H=4m	-10.6	-12.08	4.02
Stage 5-Scavo H=4m	-10.8	-11.28	4
Stage 5-Scavo H=4m	-11	-10.49	3.96
Stage 5-Scavo H=4m	-11.2	-9.71	3.9
Stage 5-Scavo H=4m	-11.4	-8.94	3.82
Stage 5-Scavo H=4m	-11.6	-8.2	3.72
Stage 5-Scavo H=4m	-11.8	-7.48	3.61
Stage 5-Scavo H=4m	-12	-6.78	3.48

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=4m	-12.2	-6.12	3.34
Stage 5-Scavo H=4m	-12.4	-5.48	3.19
Stage 5-Scavo H=4m	-12.6	-4.87	3.03
Stage 5-Scavo H=4m	-12.8	-4.3	2.87
Stage 5-Scavo H=4m	-13	-3.76	2.7
Stage 5-Scavo H=4m	-13.2	-3.25	2.53
Stage 5-Scavo H=4m	-13.4	-2.78	2.36
Stage 5-Scavo H=4m	-13.6	-2.34	2.18
Stage 5-Scavo H=4m	-13.8	-1.94	2
Stage 5-Scavo H=4m	-14	-1.58	1.82
Stage 5-Scavo H=4m	-14.2	-1.25	1.63
Stage 5-Scavo H=4m	-14.4	-0.96	1.45
Stage 5-Scavo H=4m	-14.6	-0.71	1.26
Stage 5-Scavo H=4m	-14.8	-0.5	1.07
Stage 5-Scavo H=4m	-15	-0.32	0.88
Stage 5-Scavo H=4m	-15.2	-0.18	0.69
Stage 5-Scavo H=4m	-15.4	-0.08	0.5
Stage 5-Scavo H=4m	-15.6	-0.02	0.3
Stage 5-Scavo H=4m	-15.8	0	0.1

6.4.6. Tabella Risultati Paratia SISMICA STR - Left Wall - Stage: Stage 6-Scavo H=6.5m

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=6.5m	-1.6	0	0
Stage 6-Scavo H=6.5m	-1.8	0	0
Stage 6-Scavo H=6.5m	-1.8	0	0
Stage 6-Scavo H=6.5m	-2	0	0
Stage 6-Scavo H=6.5m	-2	0	0
Stage 6-Scavo H=6.5m	-2.2	0	0
Stage 6-Scavo H=6.5m	-2.2	0	0
Stage 6-Scavo H=6.5m	-2.4	0	0
Stage 6-Scavo H=6.5m	-2.4	0	0
Stage 6-Scavo H=6.5m	-2.6	0	0
Stage 6-Scavo H=6.5m	-2.6	0	0
Stage 6-Scavo H=6.5m	-2.8	0	0
Stage 6-Scavo H=6.5m	-2.8	0	0
Stage 6-Scavo H=6.5m	-3	0	0
Stage 6-Scavo H=6.5m	-3	0	0
Stage 6-Scavo H=6.5m	-3.2	0	0
Stage 6-Scavo H=6.5m	-3.2	0	0
Stage 6-Scavo H=6.5m	-3.4	0	0
Stage 6-Scavo H=6.5m	-3.4	0	0
Stage 6-Scavo H=6.5m	-3.6	0	0
Stage 6-Scavo H=6.5m	-3.6	0	0
Stage 6-Scavo H=6.5m	-3.8	0	0
Stage 6-Scavo H=6.5m	-3.8	0	0
Stage 6-Scavo H=6.5m	-4	0	0
Stage 6-Scavo H=6.5m	-4	0	0
Stage 6-Scavo H=6.5m	-4.2	0	0
Stage 6-Scavo H=6.5m	-4.2	0	0
Stage 6-Scavo H=6.5m	-4.4	0	0
Stage 6-Scavo H=6.5m	-4.4	0	0
Stage 6-Scavo H=6.5m	-4.6	0	0
Stage 6-Scavo H=6.5m	-4.6	0	0
Stage 6-Scavo H=6.5m	-4.8	0	0
Stage 6-Scavo H=6.5m	-4.8	0	0
Stage 6-Scavo H=6.5m	-5	0	0
Stage 6-Scavo H=6.5m	-5	0	0
Stage 6-Scavo H=6.5m	-5.2	0	0
Stage 6-Scavo H=6.5m	-5.2	0	0
Stage 6-Scavo H=6.5m	-5.4	0	0
Stage 6-Scavo H=6.5m	-5.4	0	0
Stage 6-Scavo H=6.5m	-5.6	0	0
Stage 6-Scavo H=6.5m	-5.6	0	0
Stage 6-Scavo H=6.5m	-5.8	0	0
Stage 6-Scavo H=6.5m	-5.8	0	0
Stage 6-Scavo H=6.5m	-6	0	0
Stage 6-Scavo H=6.5m	-6	0	0
Stage 6-Scavo H=6.5m	-6.2	0	0
Stage 6-Scavo H=6.5m	-6.2	0	0
Stage 6-Scavo H=6.5m	-6.4	0	0
Stage 6-Scavo H=6.5m	-6.4	0	0
Stage 6-Scavo H=6.5m	-6.6	0	0
Stage 6-Scavo H=6.5m	-6.6	0	0
Stage 6-Scavo H=6.5m	-6.8	-0.06	-0.29
Stage 6-Scavo H=6.5m	-7	-0.29	-1.18
Stage 6-Scavo H=6.5m	-7.2	-0.82	-2.65
Stage 6-Scavo H=6.5m	-7.4	-1.76	-4.7
Stage 6-Scavo H=6.5m	-7.6	-3.23	-7.34
Stage 6-Scavo H=6.5m	-7.8	-5.35	-10.58
Stage 6-Scavo H=6.5m	-8	-8.28	-14.69
Stage 6-Scavo H=6.5m	-8.2	-12.21	-19.63
Stage 6-Scavo H=6.5m	-8.4	-15.74	-17.63
Stage 6-Scavo H=6.5m	-8.6	-18.79	-15.24
Stage 6-Scavo H=6.5m	-8.8	-21.36	-12.85
Stage 6-Scavo H=6.5m	-9	-23.48	-10.61
Stage 6-Scavo H=6.5m	-9.2	-25.2	-8.6
Stage 6-Scavo H=6.5m	-9.4	-26.54	-6.72
Stage 6-Scavo H=6.5m	-9.6	-27.54	-4.97
Stage 6-Scavo H=6.5m	-9.8	-28.2	-3.34

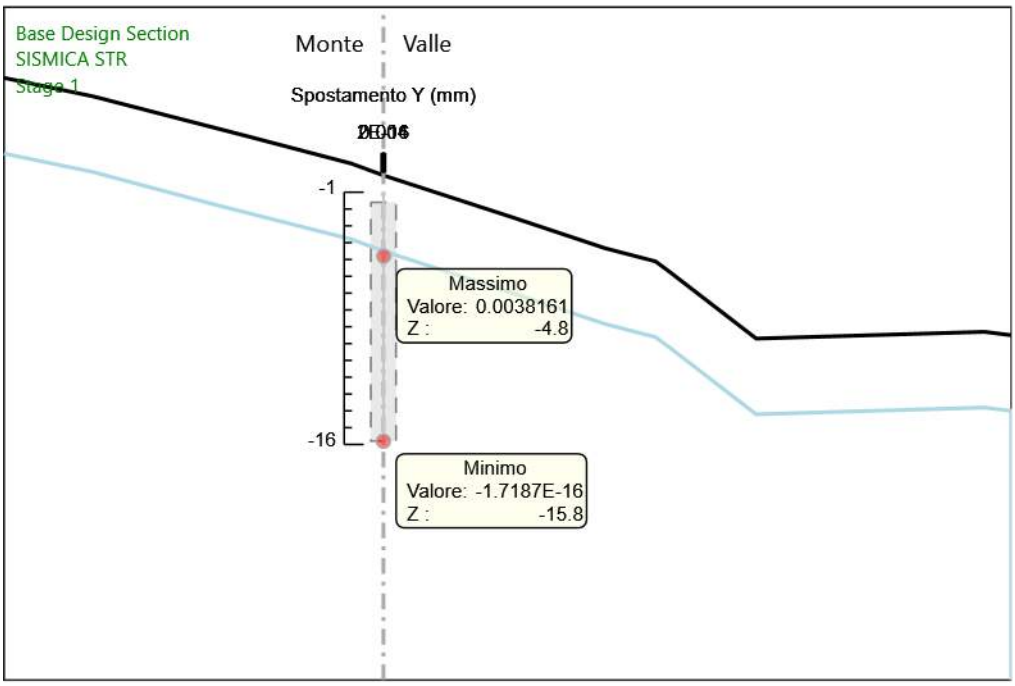
Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 6-Scavo H=6.5m	-10	-28.57	-1.84
Stage 6-Scavo H=6.5m	-10.2	-28.67	-0.47
Stage 6-Scavo H=6.5m	-10.4	-28.51	0.78
Stage 6-Scavo H=6.5m	-10.6	-28.13	1.91
Stage 6-Scavo H=6.5m	-10.8	-27.55	2.92
Stage 6-Scavo H=6.5m	-11	-26.78	3.82
Stage 6-Scavo H=6.5m	-11.2	-25.86	4.62
Stage 6-Scavo H=6.5m	-11.4	-24.8	5.31
Stage 6-Scavo H=6.5m	-11.6	-23.62	5.9
Stage 6-Scavo H=6.5m	-11.8	-22.34	6.39
Stage 6-Scavo H=6.5m	-12	-20.98	6.8
Stage 6-Scavo H=6.5m	-12.2	-19.56	7.11
Stage 6-Scavo H=6.5m	-12.4	-18.09	7.34
Stage 6-Scavo H=6.5m	-12.6	-16.59	7.5
Stage 6-Scavo H=6.5m	-12.8	-15.08	7.57
Stage 6-Scavo H=6.5m	-13	-13.56	7.57
Stage 6-Scavo H=6.5m	-13.2	-12.06	7.5
Stage 6-Scavo H=6.5m	-13.4	-10.59	7.35
Stage 6-Scavo H=6.5m	-13.6	-9.16	7.14
Stage 6-Scavo H=6.5m	-13.8	-7.79	6.86
Stage 6-Scavo H=6.5m	-14	-6.49	6.52
Stage 6-Scavo H=6.5m	-14.2	-5.27	6.11
Stage 6-Scavo H=6.5m	-14.4	-4.14	5.63
Stage 6-Scavo H=6.5m	-14.6	-3.12	5.09
Stage 6-Scavo H=6.5m	-14.8	-2.22	4.49
Stage 6-Scavo H=6.5m	-15	-1.46	3.82
Stage 6-Scavo H=6.5m	-15.2	-0.84	3.09
Stage 6-Scavo H=6.5m	-15.4	-0.38	2.29
Stage 6-Scavo H=6.5m	-15.6	-0.1	1.43
Stage 6-Scavo H=6.5m	-15.8	0	0.5

6.4.7. Tabella Risultati Paratia SISMICA STR - Left Wall - Stage: Sismica

Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sismica	-1.6	0	-0.75
Sismica	-1.8	-0.15	-0.75
Sismica	-2	-0.6	-2.24
Sismica	-2.2	-1.35	-3.74
Sismica	-2.4	-2.39	-5.23
Sismica	-2.6	-3.74	-6.73
Sismica	-2.8	-5.38	-8.22
Sismica	-3	-7.32	-9.71
Sismica	-3.2	-9.57	-11.21
Sismica	-3.4	-12.11	-12.7
Sismica	-3.6	-14.95	-14.2
Sismica	-3.8	-18.08	-15.69
Sismica	-4	-21.52	-17.19
Sismica	-4.2	-25.26	-18.68
Sismica	-4.4	-29.29	-20.18
Sismica	-4.6	-33.63	-21.67
Sismica	-4.8	-38.26	-23.17
Sismica	-5	-43.19	-24.66
Sismica	-5.2	-48.42	-26.16
Sismica	-5.4	-53.95	-27.65
Sismica	-5.6	-59.78	-29.14
Sismica	-5.8	-65.91	-30.64
Sismica	-6	-72.34	-32.13
Sismica	-6.2	-79.06	-33.63
Sismica	-6.4	-86.09	-35.12
Sismica	-6.6	-93.41	-36.62
Sismica	-6.8	-101.03	-38.11
Sismica	-7	-108.96	-39.61
Sismica	-7.2	-117.18	-41.1
Sismica	-7.4	-125.69	-42.6
Sismica	-7.6	-134.51	-44.09
Sismica	-7.8	-143.64	-45.63
Sismica	-8	-153.14	-47.52
Sismica	-8.2	-163.02	-49.41
Sismica	-8.4	-170.9	-39.37
Sismica	-8.6	-176.72	-29.12
Sismica	-8.8	-180.64	-19.6
Sismica	-9	-182.83	-10.93
Sismica	-9.2	-183.46	-3.17
Sismica	-9.4	-182.69	3.85
Sismica	-9.6	-180.66	10.14
Sismica	-9.8	-177.51	15.75
Sismica	-10	-173.37	20.7
Sismica	-10.2	-168.37	25.04
Sismica	-10.4	-162.61	28.79
Sismica	-10.6	-156.21	31.99
Sismica	-10.8	-149.28	34.68
Sismica	-11	-141.9	36.88
Sismica	-11.2	-134.17	38.64
Sismica	-11.4	-126.18	39.97
Sismica	-11.6	-117.99	40.91
Sismica	-11.8	-109.7	41.48
Sismica	-12	-101.35	41.72
Sismica	-12.2	-93.03	41.63
Sismica	-12.4	-84.78	41.25
Sismica	-12.6	-76.66	40.59
Sismica	-12.8	-68.73	39.67
Sismica	-13	-61.03	38.5
Sismica	-13.2	-53.61	37.11
Sismica	-13.4	-46.51	35.5
Sismica	-13.6	-39.77	33.69
Sismica	-13.8	-33.43	31.68
Sismica	-14	-27.54	29.48
Sismica	-14.2	-22.12	27.1
Sismica	-14.4	-17.21	24.54
Sismica	-14.6	-12.85	21.81
Sismica	-14.8	-9.06	18.92

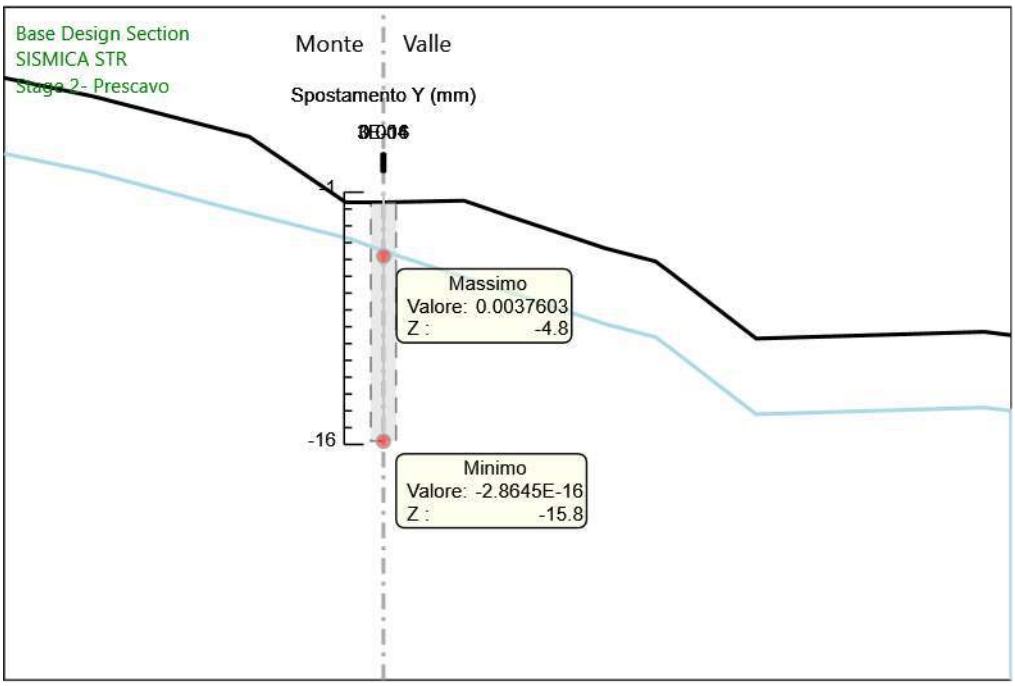
Design Assumption: SISMICA STR	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Sismica	-15	-5.89	15.85
Sismica	-15.2	-3.37	12.62
Sismica	-15.4	-1.52	9.23
Sismica	-15.6	-0.39	5.67
Sismica	-15.8	0	1.95

6.4.8. Grafico Spostamento SISMICA STR - Stage: Stage 1



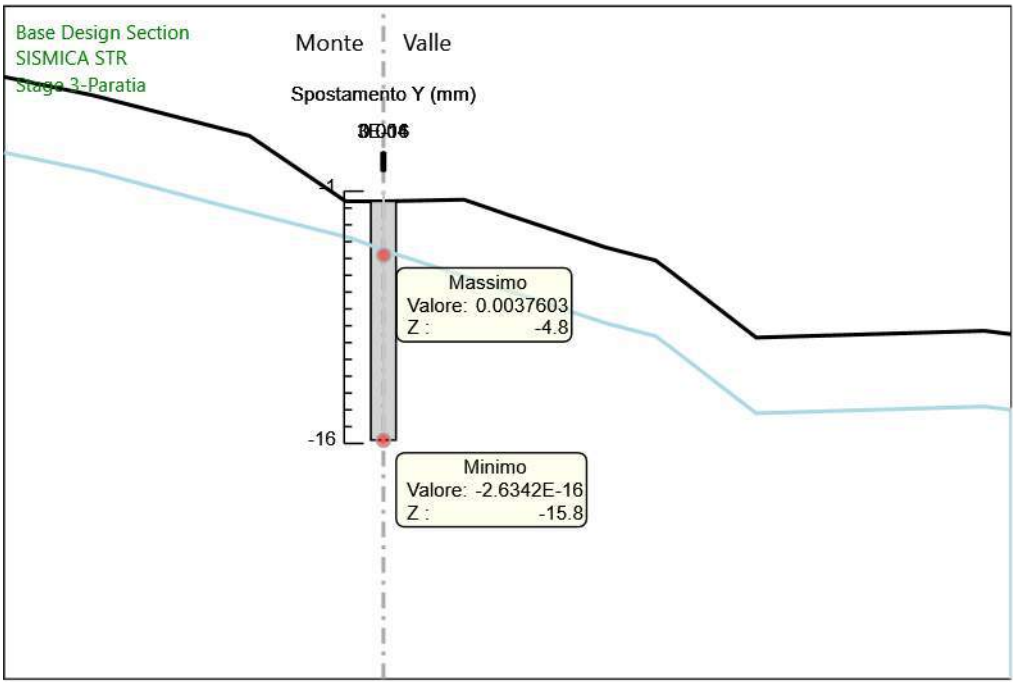
Design Assumption: SISMICA STR
Stage: Stage 1
Spostamento orizzontale

6.4.9. Grafico Spostamento SISMICA STR - Stage: Stage 2- Prescavo



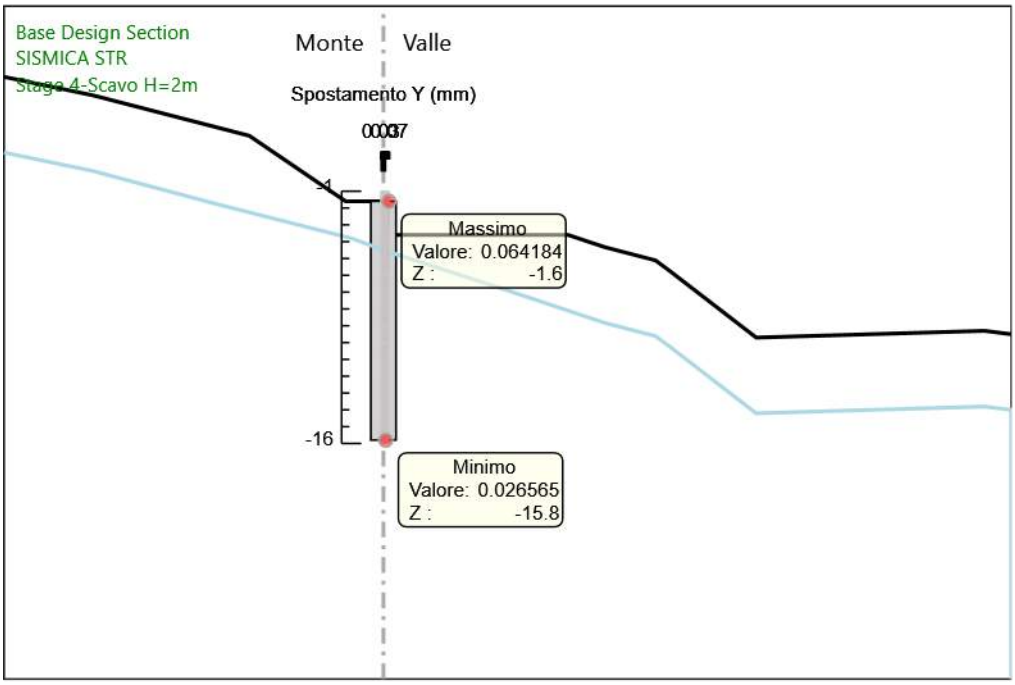
Design Assumption: SISMICA STR
Stage: Stage 2- Prescavo
Spostamento orizzontale

6.4.10. Grafico Spostamento SISMICA STR - Stage: Stage 3-Paratia



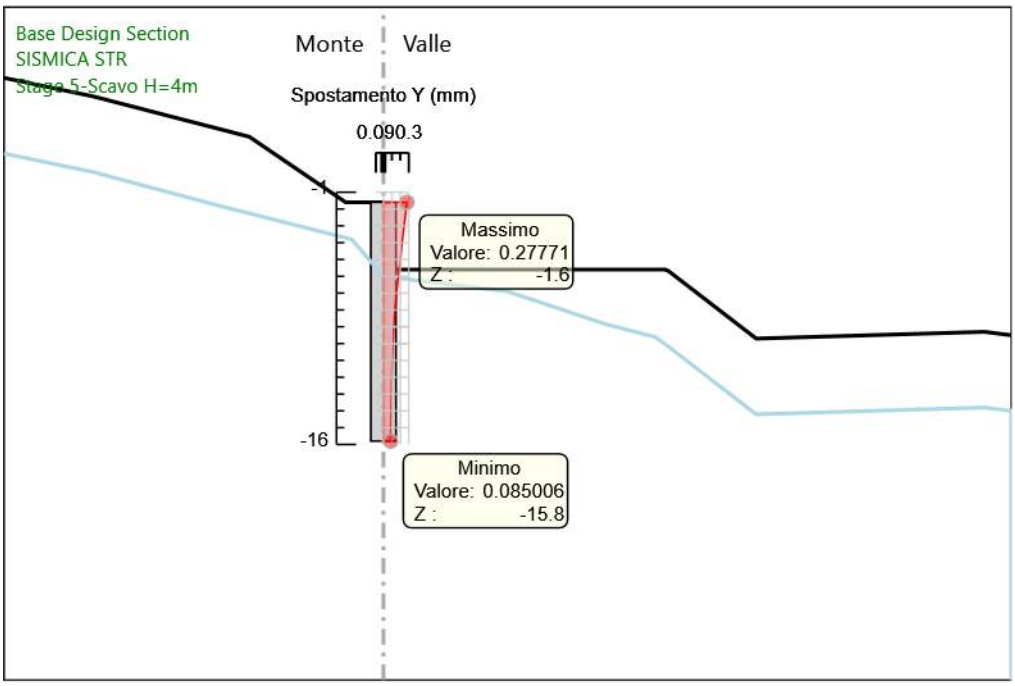
Design Assumption: SISMICA STR
Stage: Stage 3-Paratia
Spostamento orizzontale

6.4.11. Grafico Spostamento SISMICA STR - Stage: Stage 4-Scavo H=2m



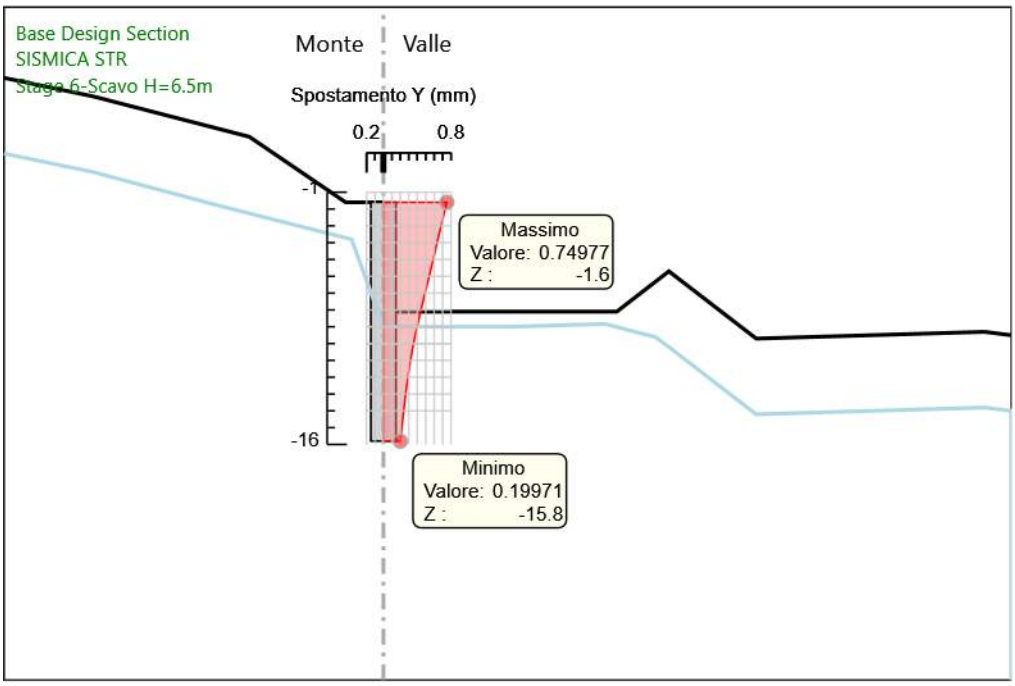
Design Assumption: SISMICA STR
Stage: Stage 4-Scavo H=2m
Spostamento orizzontale

6.4.12. Grafico Spostamento SISMICA STR - Stage: Stage 5-Scavo H=4m



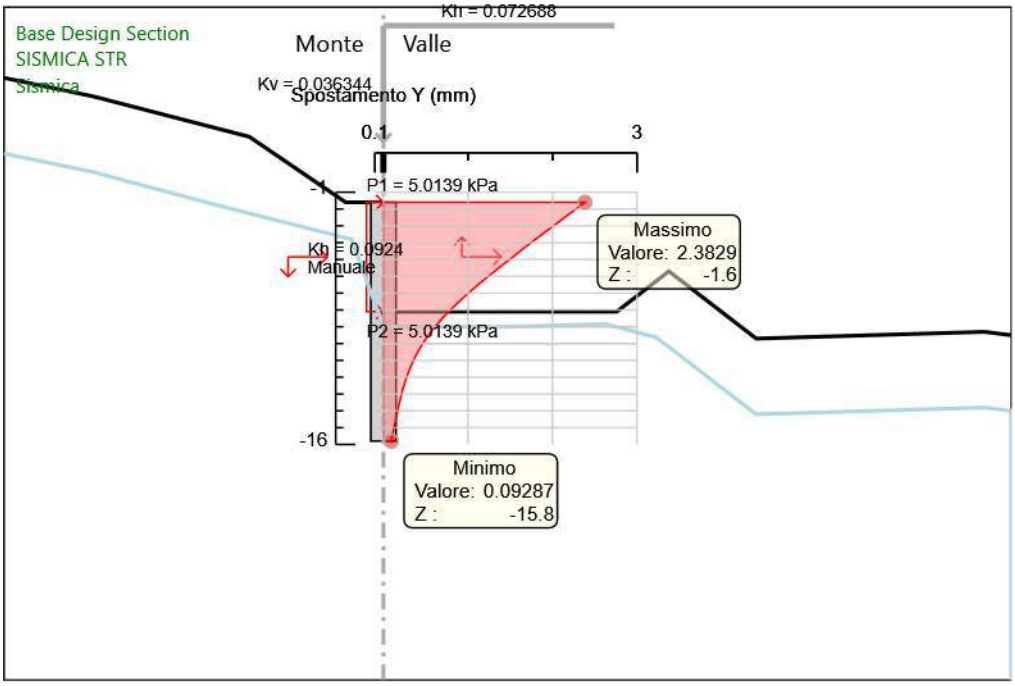
Design Assumption: SISMICA STR
Stage: Stage 5-Scavo H=4m
Spostamento orizzontale

6.4.13. Grafico Spostamento SISMICA STR - Stage: Stage 6-Scavo H=6.5m



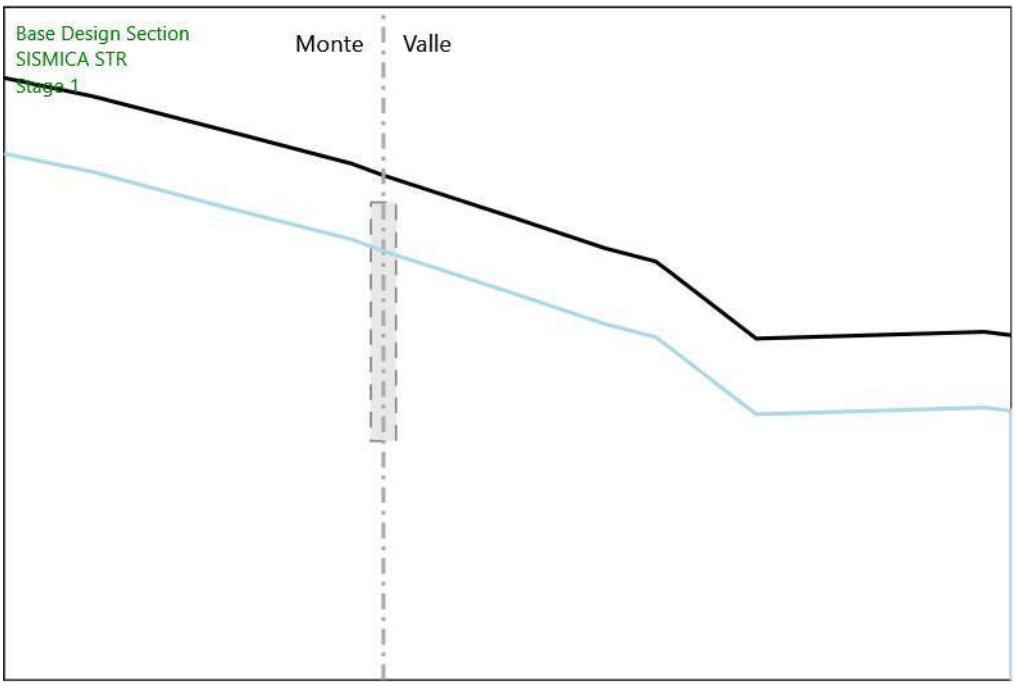
Design Assumption: SISMICA STR
Stage: Stage 6-Scavo H=6.5m
Spostamento orizzontale

6.4.14. Grafico Spostamento SISMICA STR - Stage: Sismica



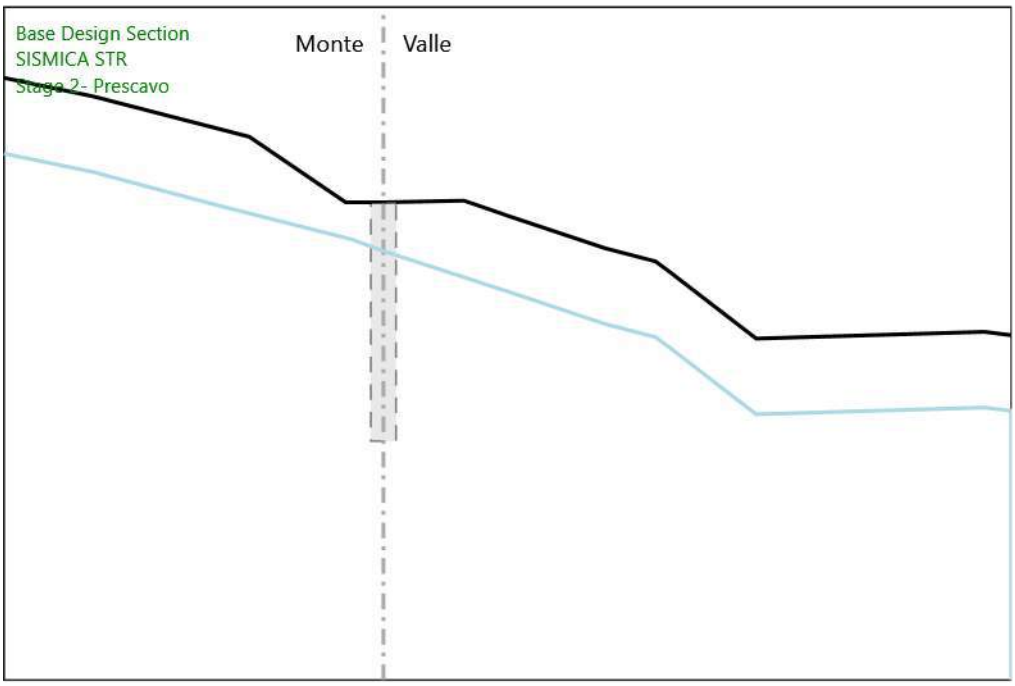
Design Assumption: SISMICA STR
Stage: Sismica
Spostamento orizzontale

6.4.15. Grafico Risultati Momento SISMICA STR - Stage: Stage 1



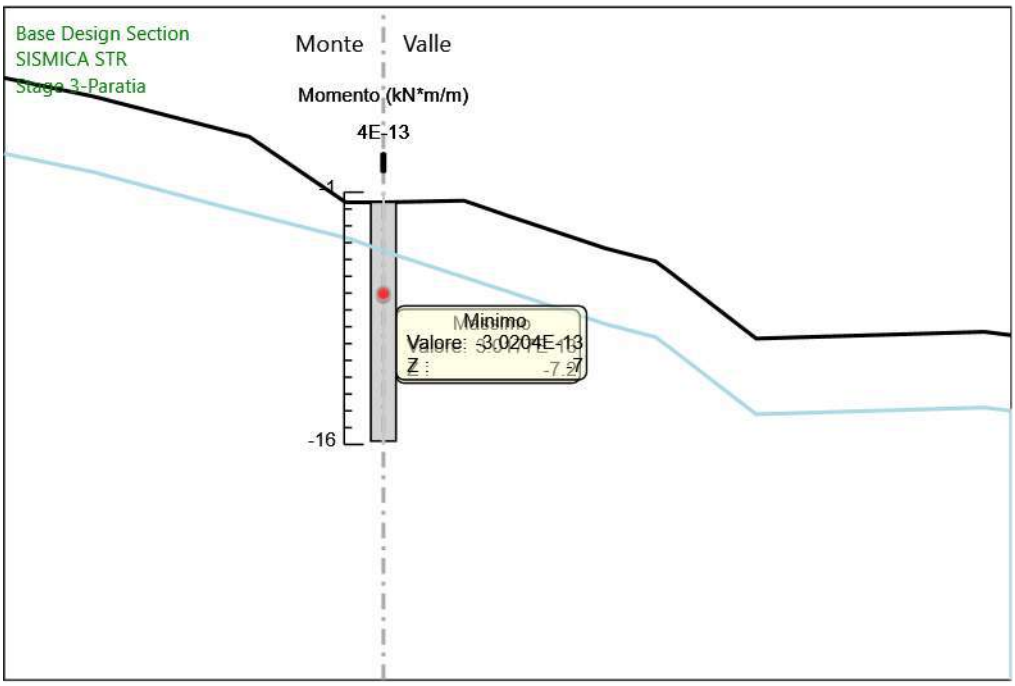
Design Assumption: SISMICA STR
Stage: Stage 1
Momento

6.4.16. Grafico Risultati Momento SISMICA STR - Stage: Stage 2- Prescavo



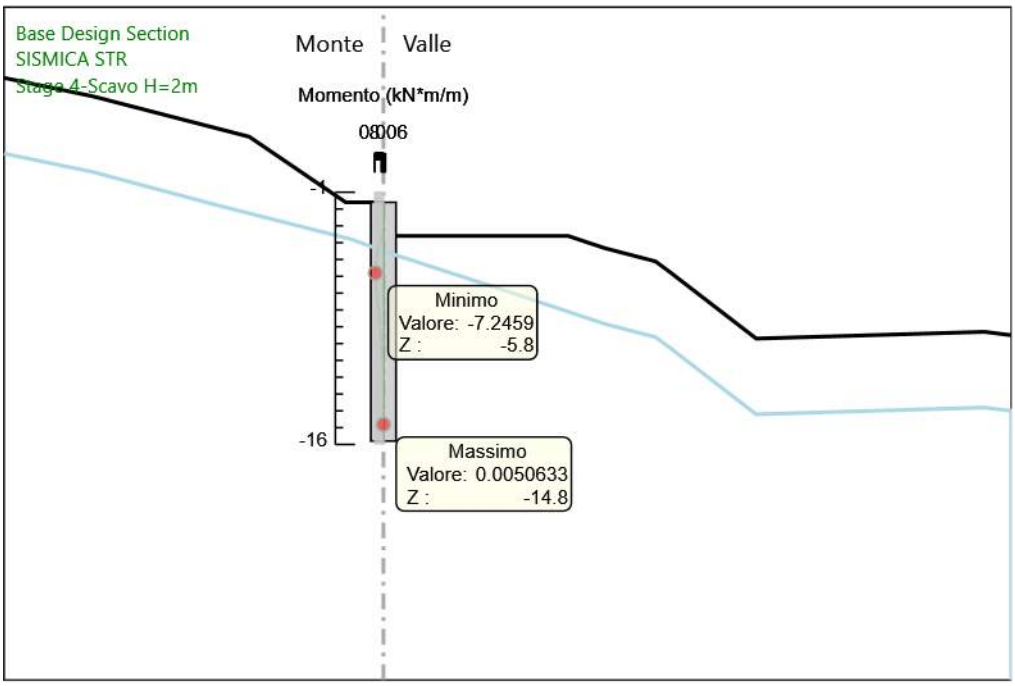
Design Assumption: SISMICA STR
Stage: Stage 2- Prescavo
Momento

6.4.17. Grafico Risultati Momento SISMICA STR - Stage: Stage 3-Paratia



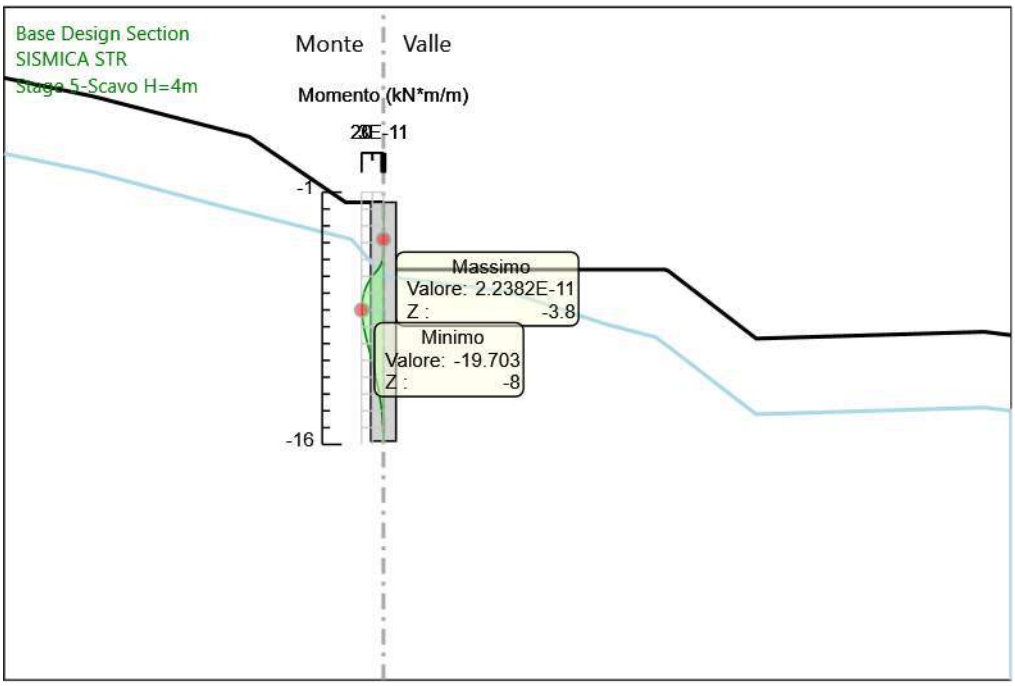
Design Assumption: SISMICA STR
Stage: Stage 3-Paratia
Momento

6.4.18. Grafico Risultati Momento SISMICA STR - Stage: Stage 4-Scavo H=2m



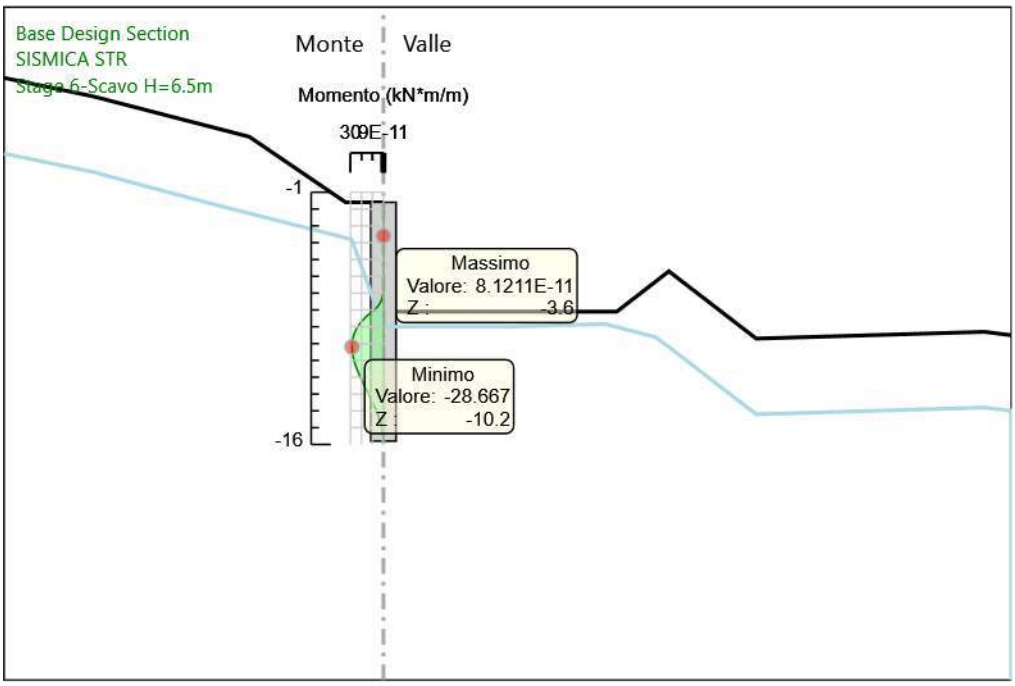
Design Assumption: SISMICA STR
Stage: Stage 4-Scavo H=2m
Momento

6.4.19. Grafico Risultati Momento SISMICA STR - Stage: Stage 5-Scavo H=4m



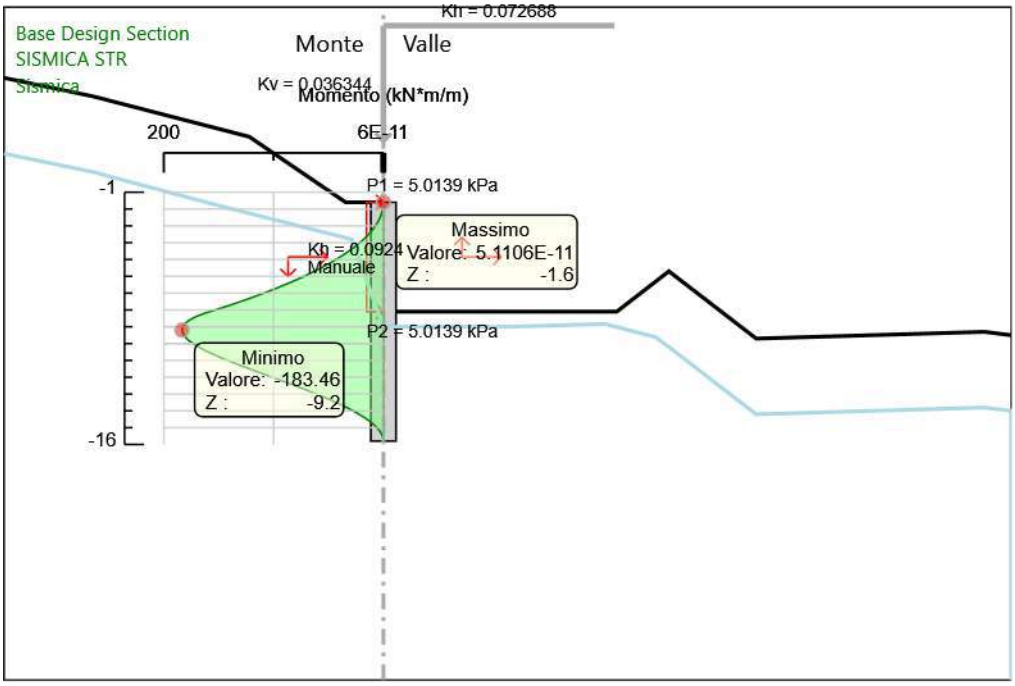
Design Assumption: SISMICA STR
Stage: Stage 5-Scavo H=4m
Momento

6.4.20. Grafico Risultati Momento SISMICA STR - Stage: Stage 6-Scavo H=6.5m



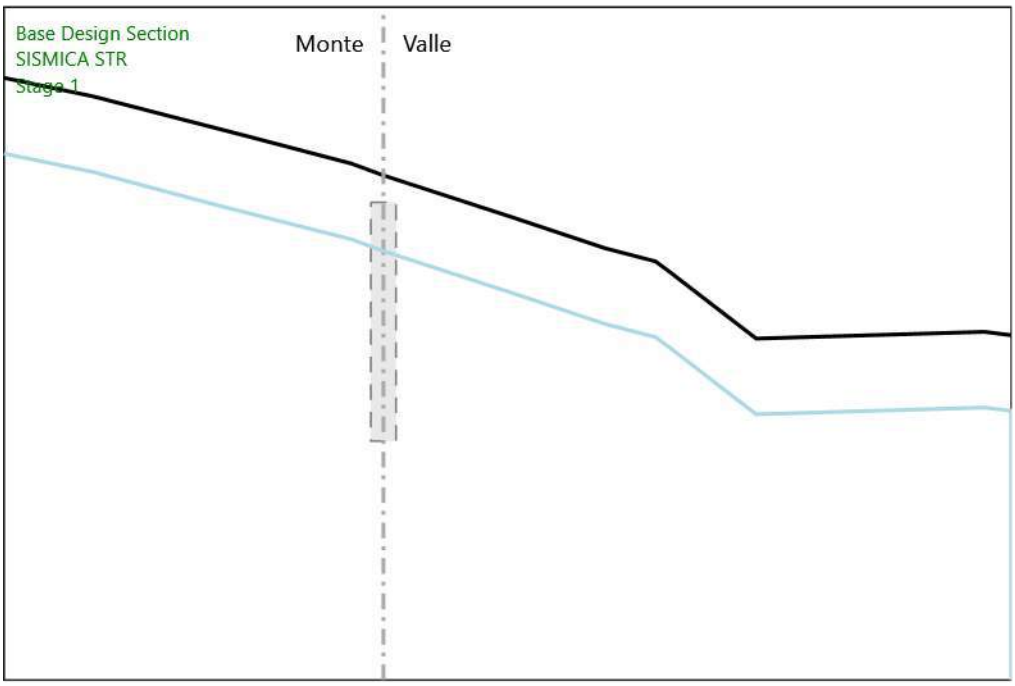
Design Assumption: SISMICA STR
Stage: Stage 6-Scavo H=6.5m
Momento

6.4.21. Grafico Risultati Momento SISMICA STR - Stage: Sismica



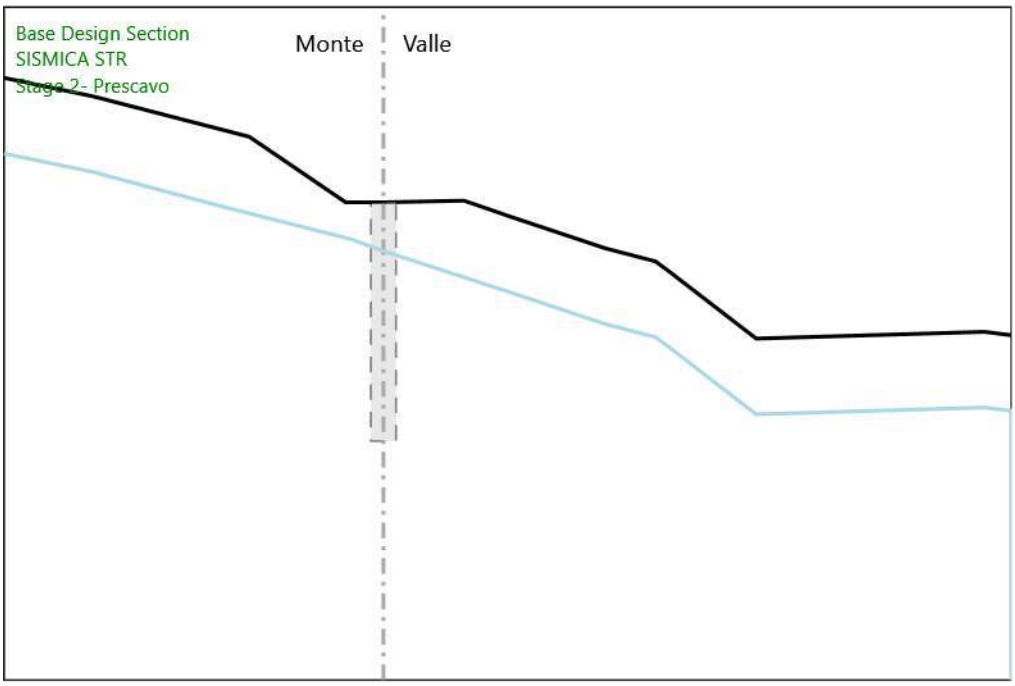
Design Assumption: SISMICA STR
Stage: Sismica
Momento

6.4.22. Grafico Risultati Taglio SISMICA STR - Stage: Stage 1



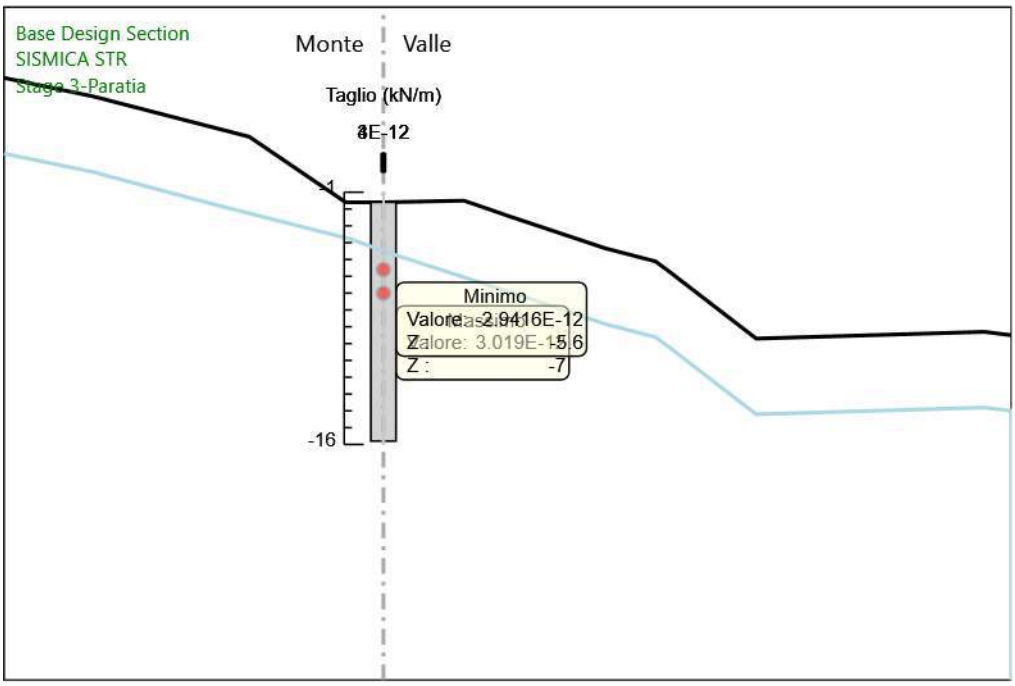
Design Assumption: SISMICA STR
Stage: Stage 1
Taglio

6.4.23. Grafico Risultati Taglio SISMICA STR - Stage: Stage 2- Prescavo



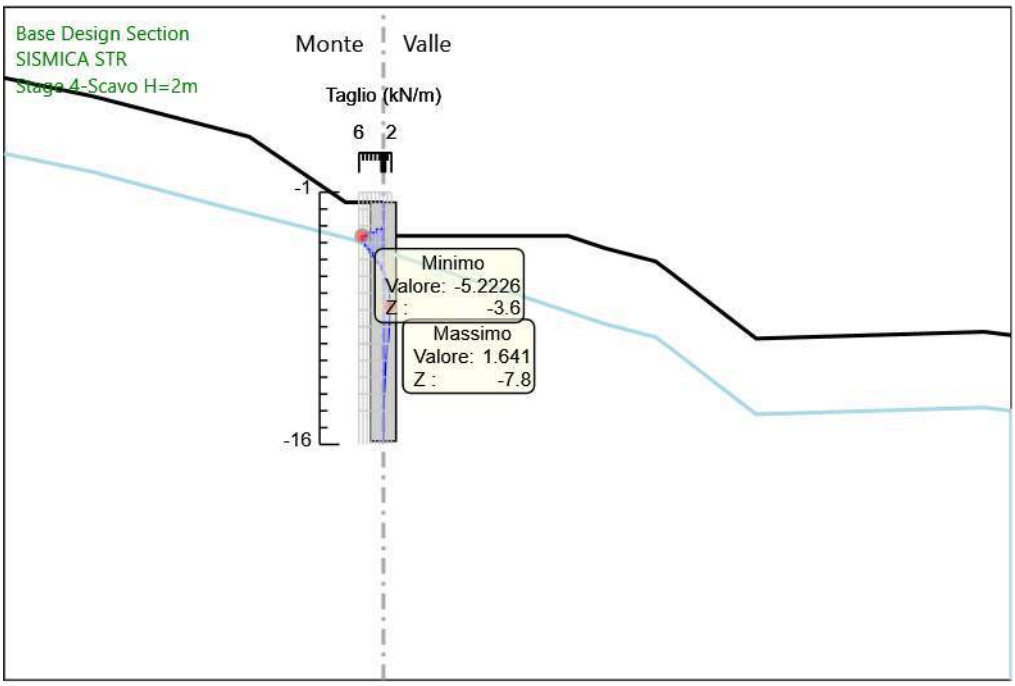
Design Assumption: SISMICA STR
Stage: Stage 2- Prescavo
Taglio

6.4.24. Grafico Risultati Taglio SISMICA STR - Stage: Stage 3-Paratia



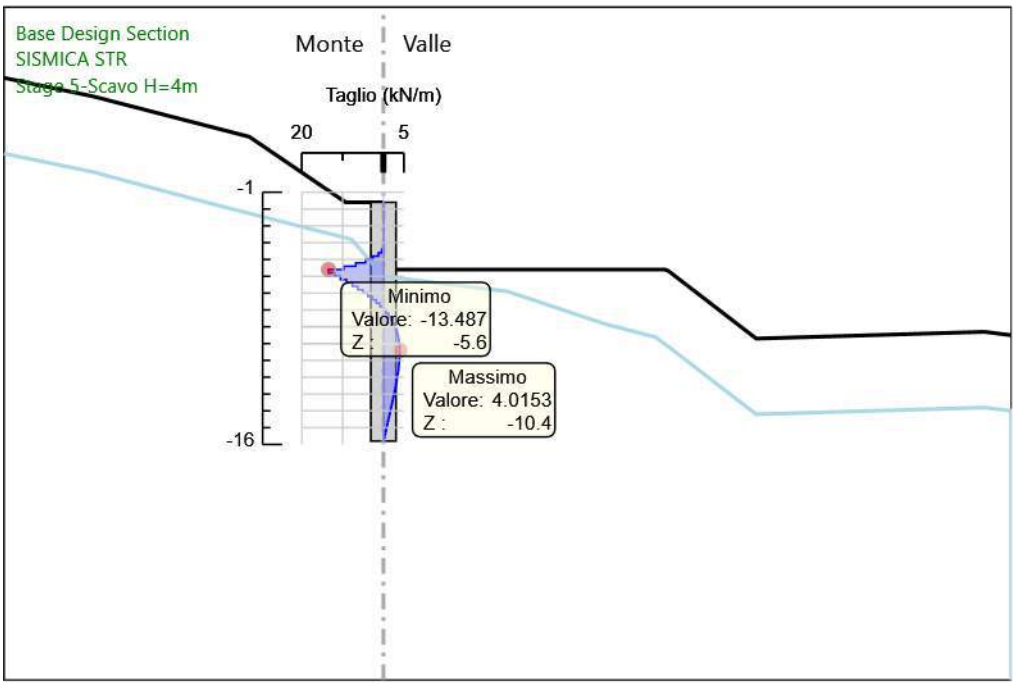
Design Assumption: SISMICA STR
Stage: Stage 3-Paratia
Taglio

6.4.25. Grafico Risultati Taglio SISMICA STR - Stage: Stage 4-Scavo H=2m



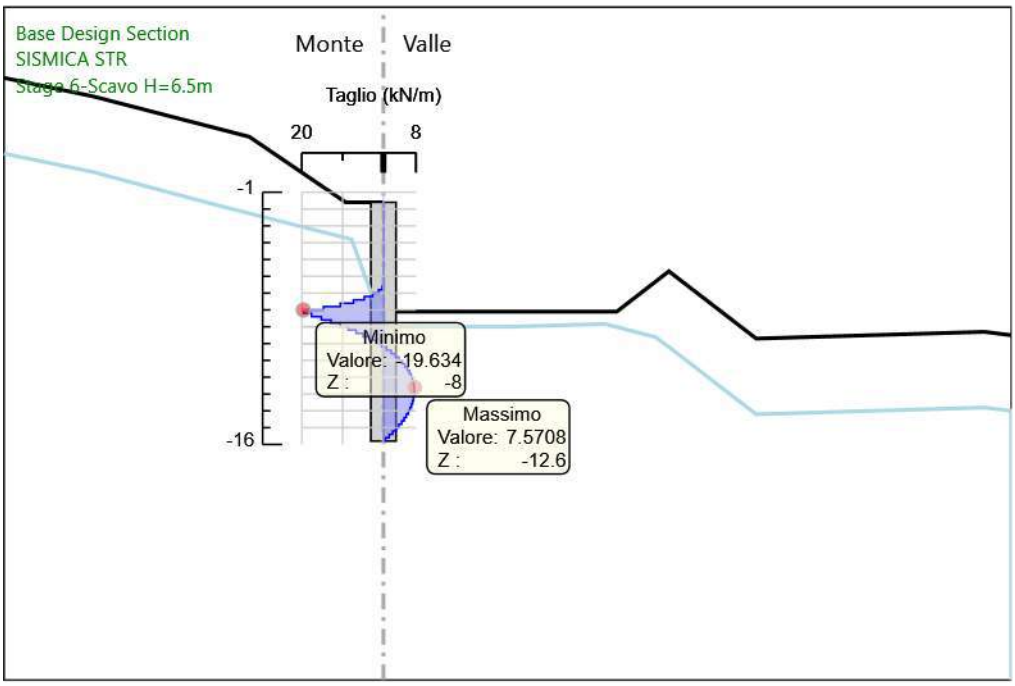
Design Assumption: SISMICA STR
Stage: Stage 4-Scavo H=2m
Taglio

6.4.26. Grafico Risultati Taglio SISMICA STR - Stage: Stage 5-Scavo H=4m



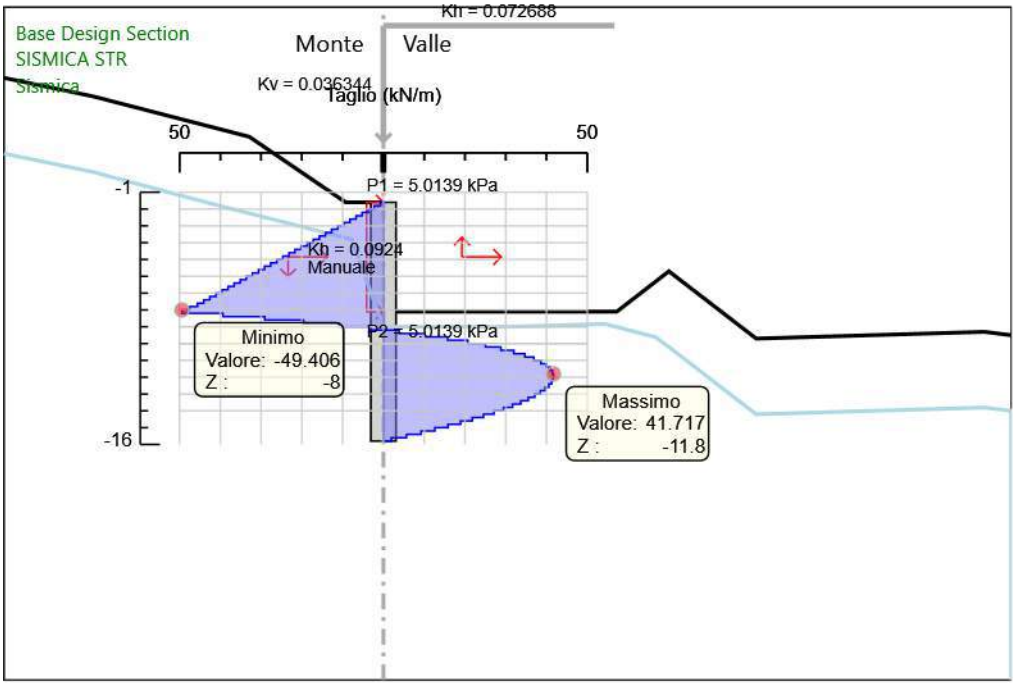
Design Assumption: SISMICA STR
Stage: Stage 5-Scavo H=4m
Taglio

6.4.27. Grafico Risultati Taglio SISMICA STR - Stage: Stage 6-Scavo H=6.5m



Design Assumption: SISMICA STR
Stage: Stage 6-Scavo H=6.5m
Taglio

6.4.28. Grafico Risultati Taglio SISMICA STR - Stage: Sismica



Design Assumption: SISMICA STR
Stage: Sismica
Taglio

6.5. Risultati SISMICA GEO

6.5.1. Tabella Risultati Paratia SISMICA GEO - Left Wall - Stage: Stage 1

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	-1.6	0	0
Stage 1	-1.8	0	0
Stage 1	-2	0	0
Stage 1	-2.2	0	0
Stage 1	-2.4	0	0
Stage 1	-2.6	0	0
Stage 1	-2.8	0	0
Stage 1	-3	0	0
Stage 1	-3.2	0	0
Stage 1	-3.4	0	0
Stage 1	-3.6	0	0
Stage 1	-3.8	0	0
Stage 1	-4	0	0
Stage 1	-4.2	0	0
Stage 1	-4.4	0	0
Stage 1	-4.6	0	0
Stage 1	-4.8	0	0
Stage 1	-5	0	0
Stage 1	-5.2	0	0
Stage 1	-5.4	0	0
Stage 1	-5.6	0	0
Stage 1	-5.8	0	0
Stage 1	-6	0	0
Stage 1	-6.2	0	0
Stage 1	-6.4	0	0
Stage 1	-6.6	0	0
Stage 1	-6.8	0	0
Stage 1	-7	0	0
Stage 1	-7.2	0	0
Stage 1	-7.4	0	0
Stage 1	-7.6	0	0
Stage 1	-7.8	0	0
Stage 1	-8	0	0
Stage 1	-8.2	0	0
Stage 1	-8.4	0	0
Stage 1	-8.6	0	0
Stage 1	-8.8	0	0
Stage 1	-9	0	0
Stage 1	-9.2	0	0
Stage 1	-9.4	0	0
Stage 1	-9.6	0	0
Stage 1	-9.8	0	0
Stage 1	-10	0	0
Stage 1	-10.2	0	0
Stage 1	-10.4	0	0
Stage 1	-10.6	0	0
Stage 1	-10.8	0	0
Stage 1	-11	0	0
Stage 1	-11.2	0	0
Stage 1	-11.4	0	0
Stage 1	-11.6	0	0
Stage 1	-11.8	0	0
Stage 1	-12	0	0
Stage 1	-12.2	0	0
Stage 1	-12.4	0	0
Stage 1	-12.6	0	0
Stage 1	-12.8	0	0
Stage 1	-13	0	0
Stage 1	-13.2	0	0
Stage 1	-13.4	0	0
Stage 1	-13.6	0	0
Stage 1	-13.8	0	0
Stage 1	-14	0	0
Stage 1	-14.2	0	0

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 1	-14.4	0	0
Stage 1	-14.6	0	0
Stage 1	-14.8	0	0
Stage 1	-15	0	0
Stage 1	-15.2	0	0
Stage 1	-15.4	0	0
Stage 1	-15.6	0	0
Stage 1	-15.8	0	0

6.5.2. Tabella Risultati Paratia SISMICA GEO - Left Wall - Stage: Stage 2- Prescavo

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2- Prescavo	-1.6	0	0
Stage 2- Prescavo	-1.8	0	0
Stage 2- Prescavo	-2	0	0
Stage 2- Prescavo	-2.2	0	0
Stage 2- Prescavo	-2.4	0	0
Stage 2- Prescavo	-2.6	0	0
Stage 2- Prescavo	-2.8	0	0
Stage 2- Prescavo	-3	0	0
Stage 2- Prescavo	-3.2	0	0
Stage 2- Prescavo	-3.4	0	0
Stage 2- Prescavo	-3.6	0	0
Stage 2- Prescavo	-3.8	0	0
Stage 2- Prescavo	-4	0	0
Stage 2- Prescavo	-4.2	0	0
Stage 2- Prescavo	-4.4	0	0
Stage 2- Prescavo	-4.6	0	0
Stage 2- Prescavo	-4.8	0	0
Stage 2- Prescavo	-5	0	0
Stage 2- Prescavo	-5.2	0	0
Stage 2- Prescavo	-5.4	0	0
Stage 2- Prescavo	-5.6	0	0
Stage 2- Prescavo	-5.8	0	0
Stage 2- Prescavo	-6	0	0
Stage 2- Prescavo	-6.2	0	0
Stage 2- Prescavo	-6.4	0	0
Stage 2- Prescavo	-6.6	0	0
Stage 2- Prescavo	-6.8	0	0
Stage 2- Prescavo	-7	0	0
Stage 2- Prescavo	-7.2	0	0
Stage 2- Prescavo	-7.4	0	0
Stage 2- Prescavo	-7.6	0	0
Stage 2- Prescavo	-7.8	0	0
Stage 2- Prescavo	-8	0	0
Stage 2- Prescavo	-8.2	0	0
Stage 2- Prescavo	-8.4	0	0
Stage 2- Prescavo	-8.6	0	0
Stage 2- Prescavo	-8.8	0	0
Stage 2- Prescavo	-9	0	0
Stage 2- Prescavo	-9.2	0	0
Stage 2- Prescavo	-9.4	0	0
Stage 2- Prescavo	-9.6	0	0
Stage 2- Prescavo	-9.8	0	0
Stage 2- Prescavo	-10	0	0
Stage 2- Prescavo	-10.2	0	0
Stage 2- Prescavo	-10.4	0	0
Stage 2- Prescavo	-10.6	0	0
Stage 2- Prescavo	-10.8	0	0
Stage 2- Prescavo	-11	0	0
Stage 2- Prescavo	-11.2	0	0
Stage 2- Prescavo	-11.4	0	0
Stage 2- Prescavo	-11.6	0	0
Stage 2- Prescavo	-11.8	0	0
Stage 2- Prescavo	-12	0	0
Stage 2- Prescavo	-12.2	0	0
Stage 2- Prescavo	-12.4	0	0
Stage 2- Prescavo	-12.6	0	0
Stage 2- Prescavo	-12.8	0	0
Stage 2- Prescavo	-13	0	0
Stage 2- Prescavo	-13.2	0	0
Stage 2- Prescavo	-13.4	0	0
Stage 2- Prescavo	-13.6	0	0
Stage 2- Prescavo	-13.8	0	0
Stage 2- Prescavo	-14	0	0
Stage 2- Prescavo	-14.2	0	0
Stage 2- Prescavo	-14.4	0	0
Stage 2- Prescavo	-14.6	0	0
Stage 2- Prescavo	-14.8	0	0

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2- Prescavo	-15	0	0
Stage 2- Prescavo	-15.2	0	0
Stage 2- Prescavo	-15.4	0	0
Stage 2- Prescavo	-15.6	0	0
Stage 2- Prescavo	-15.8	0	0

6.5.3. Tabella Risultati Paratia SISMICA GEO - Left Wall - Stage: Stage 3-Paratia

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-1.6	0	0
Stage 3-Paratia	-1.8	0	0
Stage 3-Paratia	-2	0	0
Stage 3-Paratia	-2.2	0	0
Stage 3-Paratia	-2.4	0	0
Stage 3-Paratia	-2.6	0	0
Stage 3-Paratia	-2.8	0	0
Stage 3-Paratia	-3	0	0
Stage 3-Paratia	-3.2	0	0
Stage 3-Paratia	-3.4	0	0
Stage 3-Paratia	-3.6	0	0
Stage 3-Paratia	-3.8	0	0
Stage 3-Paratia	-4	0	0
Stage 3-Paratia	-4.2	0	0
Stage 3-Paratia	-4.2	0	0
Stage 3-Paratia	-4.4	0	0
Stage 3-Paratia	-4.4	0	0
Stage 3-Paratia	-4.6	0	0
Stage 3-Paratia	-4.6	0	0
Stage 3-Paratia	-4.8	0	0
Stage 3-Paratia	-4.8	0	0
Stage 3-Paratia	-5	0	0
Stage 3-Paratia	-5	0	0
Stage 3-Paratia	-5.2	0	0
Stage 3-Paratia	-5.2	0	0
Stage 3-Paratia	-5.4	0	0
Stage 3-Paratia	-5.4	0	0
Stage 3-Paratia	-5.6	0	0
Stage 3-Paratia	-5.6	0	0
Stage 3-Paratia	-5.8	0	0
Stage 3-Paratia	-5.8	0	0
Stage 3-Paratia	-6	0	0
Stage 3-Paratia	-6	0	0
Stage 3-Paratia	-6.2	0	0
Stage 3-Paratia	-6.2	0	0
Stage 3-Paratia	-6.4	0	0
Stage 3-Paratia	-6.4	0	0
Stage 3-Paratia	-6.6	0	0
Stage 3-Paratia	-6.6	0	0
Stage 3-Paratia	-6.8	0	0
Stage 3-Paratia	-6.8	0	0
Stage 3-Paratia	-7	0	0
Stage 3-Paratia	-7	0	0
Stage 3-Paratia	-7.2	0	0
Stage 3-Paratia	-7.2	0	0
Stage 3-Paratia	-7.4	0	0
Stage 3-Paratia	-7.4	0	0
Stage 3-Paratia	-7.6	0	0
Stage 3-Paratia	-7.6	0	0
Stage 3-Paratia	-7.8	0	0
Stage 3-Paratia	-7.8	0	0
Stage 3-Paratia	-8	0	0
Stage 3-Paratia	-8	0	0
Stage 3-Paratia	-8.2	0	0
Stage 3-Paratia	-8.2	0	0
Stage 3-Paratia	-8.4	0	0
Stage 3-Paratia	-8.4	0	0
Stage 3-Paratia	-8.6	0	0
Stage 3-Paratia	-8.6	0	0
Stage 3-Paratia	-8.8	0	0
Stage 3-Paratia	-8.8	0	0
Stage 3-Paratia	-9	0	0
Stage 3-Paratia	-9	0	0
Stage 3-Paratia	-9.2	0	0
Stage 3-Paratia	-9.2	0	0
Stage 3-Paratia	-9.4	0	0
Stage 3-Paratia	-9.4	0	0

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-Paratia	-9.6	0	0
Stage 3-Paratia	-9.6	0	0
Stage 3-Paratia	-9.8	0	0
Stage 3-Paratia	-9.8	0	0
Stage 3-Paratia	-10	0	0
Stage 3-Paratia	-10	0	0
Stage 3-Paratia	-10.2	0	0
Stage 3-Paratia	-10.2	0	0
Stage 3-Paratia	-10.4	0	0
Stage 3-Paratia	-10.4	0	0
Stage 3-Paratia	-10.6	0	0
Stage 3-Paratia	-10.6	0	0
Stage 3-Paratia	-10.8	0	0
Stage 3-Paratia	-10.8	0	0
Stage 3-Paratia	-11	0	0
Stage 3-Paratia	-11	0	0
Stage 3-Paratia	-11.2	0	0
Stage 3-Paratia	-11.2	0	0
Stage 3-Paratia	-11.4	0	0
Stage 3-Paratia	-11.4	0	0
Stage 3-Paratia	-11.6	0	0
Stage 3-Paratia	-11.6	0	0
Stage 3-Paratia	-11.8	0	0
Stage 3-Paratia	-11.8	0	0
Stage 3-Paratia	-12	0	0
Stage 3-Paratia	-12	0	0
Stage 3-Paratia	-12.2	0	0
Stage 3-Paratia	-12.2	0	0
Stage 3-Paratia	-12.4	0	0
Stage 3-Paratia	-12.4	0	0
Stage 3-Paratia	-12.6	0	0
Stage 3-Paratia	-12.6	0	0
Stage 3-Paratia	-12.8	0	0
Stage 3-Paratia	-12.8	0	0
Stage 3-Paratia	-13	0	0
Stage 3-Paratia	-13	0	0
Stage 3-Paratia	-13.2	0	0
Stage 3-Paratia	-13.2	0	0
Stage 3-Paratia	-13.4	0	0
Stage 3-Paratia	-13.4	0	0
Stage 3-Paratia	-13.6	0	0
Stage 3-Paratia	-13.6	0	0
Stage 3-Paratia	-13.8	0	0
Stage 3-Paratia	-13.8	0	0
Stage 3-Paratia	-14	0	0
Stage 3-Paratia	-14	0	0
Stage 3-Paratia	-14.2	0	0
Stage 3-Paratia	-14.2	0	0
Stage 3-Paratia	-14.4	0	0
Stage 3-Paratia	-14.4	0	0
Stage 3-Paratia	-14.6	0	0
Stage 3-Paratia	-14.6	0	0
Stage 3-Paratia	-14.8	0	0
Stage 3-Paratia	-14.8	0	0
Stage 3-Paratia	-15	0	0
Stage 3-Paratia	-15	0	0
Stage 3-Paratia	-15.2	0	0
Stage 3-Paratia	-15.2	0	0
Stage 3-Paratia	-15.4	0	0
Stage 3-Paratia	-15.4	0	0
Stage 3-Paratia	-15.6	0	0
Stage 3-Paratia	-15.6	0	0
Stage 3-Paratia	-15.8	0	0

6.5.4. Tabella Risultati Paratia SISMICA GEO - Left Wall - Stage: Stage 4-Scavo H=2m

Design Assumption: SISMICA GEO Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4-Scavo H=2m	-1.6	0	0
Stage 4-Scavo H=2m	-1.8	0	0
Stage 4-Scavo H=2m	-1.8	0	0
Stage 4-Scavo H=2m	-2	0	0
Stage 4-Scavo H=2m	-2	0	0
Stage 4-Scavo H=2m	-2.2	0	0
Stage 4-Scavo H=2m	-2.2	0	0
Stage 4-Scavo H=2m	-2.4	0	0
Stage 4-Scavo H=2m	-2.4	0	0
Stage 4-Scavo H=2m	-2.6	0	0
Stage 4-Scavo H=2m	-2.6	0	0
Stage 4-Scavo H=2m	-2.8	0	0
Stage 4-Scavo H=2m	-2.8	0	0
Stage 4-Scavo H=2m	-3	0	0
Stage 4-Scavo H=2m	-3	0	0
Stage 4-Scavo H=2m	-3.2	-0.08	-0.38
Stage 4-Scavo H=2m	-3.4	-0.53	-2.25
Stage 4-Scavo H=2m	-3.6	-1.46	-4.68
Stage 4-Scavo H=2m	-3.8	-2.6	-5.69
Stage 4-Scavo H=2m	-4	-3.68	-5.41
Stage 4-Scavo H=2m	-4.2	-4.66	-4.87
Stage 4-Scavo H=2m	-4.4	-5.5	-4.22
Stage 4-Scavo H=2m	-4.6	-6.21	-3.53
Stage 4-Scavo H=2m	-4.8	-6.77	-2.82
Stage 4-Scavo H=2m	-5	-7.21	-2.16
Stage 4-Scavo H=2m	-5.2	-7.52	-1.56
Stage 4-Scavo H=2m	-5.4	-7.72	-1.01
Stage 4-Scavo H=2m	-5.6	-7.82	-0.52
Stage 4-Scavo H=2m	-5.8	-7.84	-0.09
Stage 4-Scavo H=2m	-6	-7.78	0.29
Stage 4-Scavo H=2m	-6.2	-7.66	0.62
Stage 4-Scavo H=2m	-6.4	-7.48	0.89
Stage 4-Scavo H=2m	-6.6	-7.25	1.13
Stage 4-Scavo H=2m	-6.8	-6.99	1.32
Stage 4-Scavo H=2m	-7	-6.7	1.47
Stage 4-Scavo H=2m	-7.2	-6.38	1.59
Stage 4-Scavo H=2m	-7.4	-6.04	1.68
Stage 4-Scavo H=2m	-7.6	-5.7	1.73
Stage 4-Scavo H=2m	-7.8	-5.34	1.77
Stage 4-Scavo H=2m	-8	-4.99	1.78
Stage 4-Scavo H=2m	-8.2	-4.63	1.77
Stage 4-Scavo H=2m	-8.4	-4.29	1.74
Stage 4-Scavo H=2m	-8.6	-3.94	1.71
Stage 4-Scavo H=2m	-8.8	-3.61	1.65
Stage 4-Scavo H=2m	-9	-3.29	1.59
Stage 4-Scavo H=2m	-9.2	-2.99	1.52
Stage 4-Scavo H=2m	-9.4	-2.7	1.45
Stage 4-Scavo H=2m	-9.6	-2.43	1.37
Stage 4-Scavo H=2m	-9.8	-2.17	1.29
Stage 4-Scavo H=2m	-10	-1.93	1.2
Stage 4-Scavo H=2m	-10.2	-1.7	1.12
Stage 4-Scavo H=2m	-10.4	-1.5	1.03
Stage 4-Scavo H=2m	-10.6	-1.31	0.95
Stage 4-Scavo H=2m	-10.8	-1.13	0.87
Stage 4-Scavo H=2m	-11	-0.97	0.79
Stage 4-Scavo H=2m	-11.2	-0.83	0.71
Stage 4-Scavo H=2m	-11.4	-0.7	0.64
Stage 4-Scavo H=2m	-11.6	-0.59	0.57
Stage 4-Scavo H=2m	-11.8	-0.49	0.51
Stage 4-Scavo H=2m	-12	-0.4	0.44
Stage 4-Scavo H=2m	-12.2	-0.32	0.39
Stage 4-Scavo H=2m	-12.4	-0.25	0.33
Stage 4-Scavo H=2m	-12.6	-0.2	0.29
Stage 4-Scavo H=2m	-12.8	-0.15	0.24
Stage 4-Scavo H=2m	-13	-0.11	0.2
Stage 4-Scavo H=2m	-13.2	-0.08	0.16
Stage 4-Scavo H=2m	-13.4	-0.05	0.13

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 4-Scavo H=2m	-13.6	-0.03	0.1
Stage 4-Scavo H=2m	-13.8	-0.02	0.08
Stage 4-Scavo H=2m	-14	0	0.05
Stage 4-Scavo H=2m	-14.2	0	0.04
Stage 4-Scavo H=2m	-14.4	0.01	0.02
Stage 4-Scavo H=2m	-14.6	0.01	0.01
Stage 4-Scavo H=2m	-14.8	0.01	0
Stage 4-Scavo H=2m	-15	0.01	-0.01
Stage 4-Scavo H=2m	-15.2	0	-0.01
Stage 4-Scavo H=2m	-15.4	0	-0.01
Stage 4-Scavo H=2m	-15.6	0	-0.01
Stage 4-Scavo H=2m	-15.8	0	0

6.5.5. Tabella Risultati Paratia SISMICA GEO - Left Wall - Stage: Stage 5-Scavo H=4m

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5-Scavo H=4m	-1.6	0	0
Stage 5-Scavo H=4m	-1.8	0	0
Stage 5-Scavo H=4m	-1.8	0	0
Stage 5-Scavo H=4m	-2	0	0
Stage 5-Scavo H=4m	-2	0	0
Stage 5-Scavo H=4m	-2.2	0	0
Stage 5-Scavo H=4m	-2.2	0	0
Stage 5-Scavo H=4m	-2.4	0	0
Stage 5-Scavo H=4m	-2.4	0	0
Stage 5-Scavo H=4m	-2.6	0	0
Stage 5-Scavo H=4m	-2.6	0	0
Stage 5-Scavo H=4m	-2.8	0	0
Stage 5-Scavo H=4m	-2.8	0	0
Stage 5-Scavo H=4m	-3	0	0
Stage 5-Scavo H=4m	-3	0	0
Stage 5-Scavo H=4m	-3.2	-0.05	-0.27
Stage 5-Scavo H=4m	-3.4	-0.11	-0.27
Stage 5-Scavo H=4m	-3.6	-0.16	-0.27
Stage 5-Scavo H=4m	-3.8	-0.22	-0.27
Stage 5-Scavo H=4m	-4	-0.27	-0.27
Stage 5-Scavo H=4m	-4.2	-0.32	-0.27
Stage 5-Scavo H=4m	-4.4	-0.4	-0.4
Stage 5-Scavo H=4m	-4.6	-0.62	-1.07
Stage 5-Scavo H=4m	-4.8	-1.04	-2.14
Stage 5-Scavo H=4m	-5	-1.79	-3.71
Stage 5-Scavo H=4m	-5.2	-2.95	-5.84
Stage 5-Scavo H=4m	-5.4	-4.66	-8.51
Stage 5-Scavo H=4m	-5.6	-7	-11.72
Stage 5-Scavo H=4m	-5.8	-10.15	-15.76
Stage 5-Scavo H=4m	-6	-12.94	-13.94
Stage 5-Scavo H=4m	-6.2	-15.36	-12.07
Stage 5-Scavo H=4m	-6.4	-17.41	-10.29
Stage 5-Scavo H=4m	-6.6	-19.13	-8.59
Stage 5-Scavo H=4m	-6.8	-20.53	-6.99
Stage 5-Scavo H=4m	-7	-21.63	-5.5
Stage 5-Scavo H=4m	-7.2	-22.46	-4.13
Stage 5-Scavo H=4m	-7.4	-23.03	-2.87
Stage 5-Scavo H=4m	-7.6	-23.37	-1.72
Stage 5-Scavo H=4m	-7.8	-23.51	-0.69
Stage 5-Scavo H=4m	-8	-23.47	0.23
Stage 5-Scavo H=4m	-8.2	-23.26	1.05
Stage 5-Scavo H=4m	-8.4	-22.9	1.77
Stage 5-Scavo H=4m	-8.6	-22.42	2.4
Stage 5-Scavo H=4m	-8.8	-21.83	2.94
Stage 5-Scavo H=4m	-9	-21.15	3.4
Stage 5-Scavo H=4m	-9.2	-20.4	3.78
Stage 5-Scavo H=4m	-9.4	-19.58	4.09
Stage 5-Scavo H=4m	-9.6	-18.71	4.34
Stage 5-Scavo H=4m	-9.8	-17.81	4.52
Stage 5-Scavo H=4m	-10	-16.88	4.66
Stage 5-Scavo H=4m	-10.2	-15.93	4.74
Stage 5-Scavo H=4m	-10.4	-14.97	4.78
Stage 5-Scavo H=4m	-10.6	-14.01	4.79
Stage 5-Scavo H=4m	-10.8	-13.06	4.76
Stage 5-Scavo H=4m	-11	-12.12	4.7
Stage 5-Scavo H=4m	-11.2	-11.2	4.61
Stage 5-Scavo H=4m	-11.4	-10.3	4.5
Stage 5-Scavo H=4m	-11.6	-9.43	4.37
Stage 5-Scavo H=4m	-11.8	-8.58	4.22
Stage 5-Scavo H=4m	-12	-7.77	4.06
Stage 5-Scavo H=4m	-12.2	-7	3.89
Stage 5-Scavo H=4m	-12.4	-6.25	3.7
Stage 5-Scavo H=4m	-12.6	-5.55	3.51
Stage 5-Scavo H=4m	-12.8	-4.89	3.32
Stage 5-Scavo H=4m	-13	-4.26	3.12
Stage 5-Scavo H=4m	-13.2	-3.68	2.91
Stage 5-Scavo H=4m	-13.4	-3.14	2.7

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 5-Scavo H=4m	-13.6	-2.64	2.49
Stage 5-Scavo H=4m	-13.8	-2.19	2.28
Stage 5-Scavo H=4m	-14	-1.77	2.07
Stage 5-Scavo H=4m	-14.2	-1.4	1.85
Stage 5-Scavo H=4m	-14.4	-1.08	1.64
Stage 5-Scavo H=4m	-14.6	-0.79	1.42
Stage 5-Scavo H=4m	-14.8	-0.55	1.21
Stage 5-Scavo H=4m	-15	-0.35	0.99
Stage 5-Scavo H=4m	-15.2	-0.2	0.77
Stage 5-Scavo H=4m	-15.4	-0.09	0.55
Stage 5-Scavo H=4m	-15.6	-0.02	0.33
Stage 5-Scavo H=4m	-15.8	0	0.11

6.5.6. Tabella Risultati Paratia SISMICA GEO - Left Wall - Stage: Stage 6-Scavo H=6.5m

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6-Scavo H=6.5m	-1.6	0	0
Stage 6-Scavo H=6.5m	-1.8	0	0
Stage 6-Scavo H=6.5m	-1.8	0	0
Stage 6-Scavo H=6.5m	-2	0	0
Stage 6-Scavo H=6.5m	-2	0	0
Stage 6-Scavo H=6.5m	-2.2	0	0
Stage 6-Scavo H=6.5m	-2.2	0	0
Stage 6-Scavo H=6.5m	-2.4	0	0
Stage 6-Scavo H=6.5m	-2.4	0	0
Stage 6-Scavo H=6.5m	-2.6	0	0
Stage 6-Scavo H=6.5m	-2.6	0	0
Stage 6-Scavo H=6.5m	-2.8	0	0
Stage 6-Scavo H=6.5m	-2.8	0	0
Stage 6-Scavo H=6.5m	-3	0	0
Stage 6-Scavo H=6.5m	-3	0	0
Stage 6-Scavo H=6.5m	-3.2	-0.05	-0.27
Stage 6-Scavo H=6.5m	-3.4	-0.11	-0.27
Stage 6-Scavo H=6.5m	-3.6	-0.16	-0.27
Stage 6-Scavo H=6.5m	-3.8	-0.22	-0.27
Stage 6-Scavo H=6.5m	-4	-0.27	-0.27
Stage 6-Scavo H=6.5m	-4.2	-0.32	-0.27
Stage 6-Scavo H=6.5m	-4.4	-0.38	-0.27
Stage 6-Scavo H=6.5m	-4.6	-0.43	-0.27
Stage 6-Scavo H=6.5m	-4.8	-0.48	-0.27
Stage 6-Scavo H=6.5m	-5	-0.54	-0.27
Stage 6-Scavo H=6.5m	-5.2	-0.59	-0.27
Stage 6-Scavo H=6.5m	-5.4	-0.65	-0.27
Stage 6-Scavo H=6.5m	-5.6	-0.7	-0.27
Stage 6-Scavo H=6.5m	-5.8	-0.75	-0.27
Stage 6-Scavo H=6.5m	-6	-0.81	-0.27
Stage 6-Scavo H=6.5m	-6.2	-0.86	-0.27
Stage 6-Scavo H=6.5m	-6.4	-0.91	-0.27
Stage 6-Scavo H=6.5m	-6.6	-0.98	-0.34
Stage 6-Scavo H=6.5m	-6.8	-1.18	-1.01
Stage 6-Scavo H=6.5m	-7	-1.64	-2.28
Stage 6-Scavo H=6.5m	-7.2	-2.47	-4.15
Stage 6-Scavo H=6.5m	-7.4	-3.79	-6.62
Stage 6-Scavo H=6.5m	-7.6	-5.73	-9.68
Stage 6-Scavo H=6.5m	-7.8	-8.4	-13.36
Stage 6-Scavo H=6.5m	-8	-11.98	-17.9
Stage 6-Scavo H=6.5m	-8.2	-16.64	-23.29
Stage 6-Scavo H=6.5m	-8.4	-20.78	-20.7
Stage 6-Scavo H=6.5m	-8.6	-24.33	-17.77
Stage 6-Scavo H=6.5m	-8.8	-27.31	-14.87
Stage 6-Scavo H=6.5m	-9	-29.74	-12.17
Stage 6-Scavo H=6.5m	-9.2	-31.69	-9.73
Stage 6-Scavo H=6.5m	-9.4	-33.18	-7.47
Stage 6-Scavo H=6.5m	-9.6	-34.25	-5.36
Stage 6-Scavo H=6.5m	-9.8	-34.94	-3.42
Stage 6-Scavo H=6.5m	-10	-35.26	-1.64
Stage 6-Scavo H=6.5m	-10.2	-35.27	-0.01
Stage 6-Scavo H=6.5m	-10.4	-34.97	1.46
Stage 6-Scavo H=6.5m	-10.6	-34.42	2.79
Stage 6-Scavo H=6.5m	-10.8	-33.62	3.97
Stage 6-Scavo H=6.5m	-11	-32.62	5.02
Stage 6-Scavo H=6.5m	-11.2	-31.43	5.94
Stage 6-Scavo H=6.5m	-11.4	-30.08	6.73
Stage 6-Scavo H=6.5m	-11.6	-28.6	7.41
Stage 6-Scavo H=6.5m	-11.8	-27.01	7.96
Stage 6-Scavo H=6.5m	-12	-25.32	8.41
Stage 6-Scavo H=6.5m	-12.2	-23.57	8.76
Stage 6-Scavo H=6.5m	-12.4	-21.77	9.01
Stage 6-Scavo H=6.5m	-12.6	-19.94	9.16
Stage 6-Scavo H=6.5m	-12.8	-18.1	9.22
Stage 6-Scavo H=6.5m	-13	-16.26	9.19
Stage 6-Scavo H=6.5m	-13.2	-14.44	9.08
Stage 6-Scavo H=6.5m	-13.4	-12.67	8.88

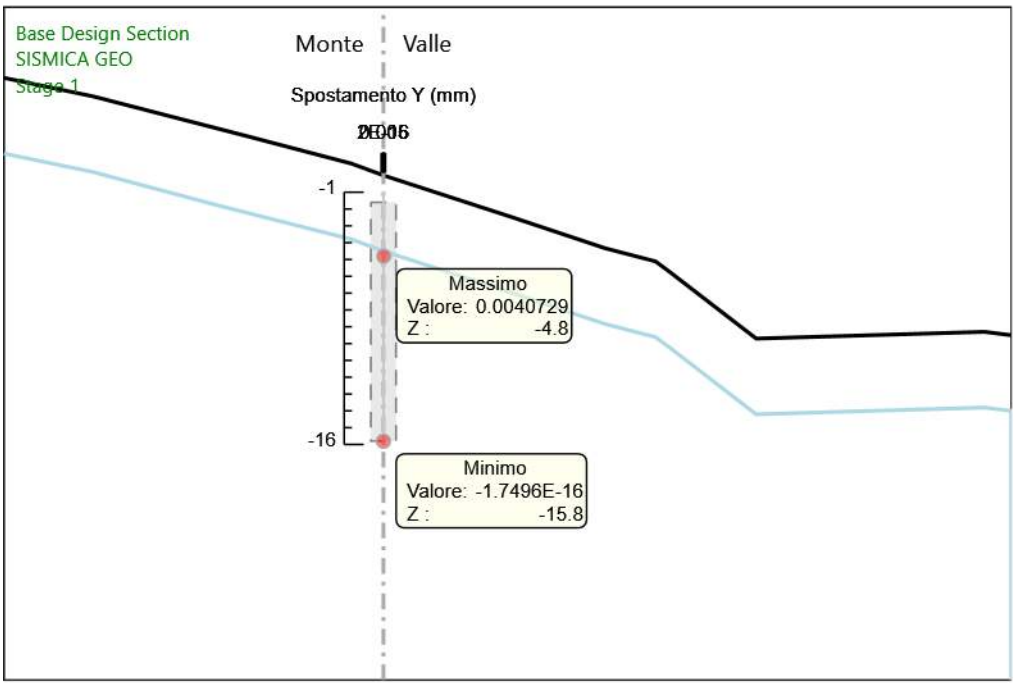
Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 6-Scavo H=6.5m	-13.6	-10.95	8.6
Stage 6-Scavo H=6.5m	-13.8	-9.3	8.25
Stage 6-Scavo H=6.5m	-14	-7.73	7.82
Stage 6-Scavo H=6.5m	-14.2	-6.27	7.31
Stage 6-Scavo H=6.5m	-14.4	-4.92	6.73
Stage 6-Scavo H=6.5m	-14.6	-3.71	6.07
Stage 6-Scavo H=6.5m	-14.8	-2.64	5.35
Stage 6-Scavo H=6.5m	-15	-1.73	4.54
Stage 6-Scavo H=6.5m	-15.2	-1	3.67
Stage 6-Scavo H=6.5m	-15.4	-0.46	2.72
Stage 6-Scavo H=6.5m	-15.6	-0.12	1.69
Stage 6-Scavo H=6.5m	-15.8	0	0.59

6.5.7. Tabella Risultati Paratia SISMICA GEO - Left Wall - Stage: Sismica

Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sismica	-1.6	0	-0.75
Sismica	-1.8	-0.15	-0.75
Sismica	-2	-0.6	-2.24
Sismica	-2.2	-1.35	-3.74
Sismica	-2.4	-2.39	-5.23
Sismica	-2.6	-3.74	-6.73
Sismica	-2.8	-5.38	-8.22
Sismica	-3	-7.32	-9.71
Sismica	-3.2	-9.62	-11.48
Sismica	-3.4	-12.21	-12.97
Sismica	-3.6	-15.11	-14.47
Sismica	-3.8	-18.3	-15.96
Sismica	-4	-21.79	-17.46
Sismica	-4.2	-25.58	-18.95
Sismica	-4.4	-29.67	-20.45
Sismica	-4.6	-34.06	-21.94
Sismica	-4.8	-38.75	-23.43
Sismica	-5	-43.73	-24.93
Sismica	-5.2	-49.02	-26.42
Sismica	-5.4	-54.6	-27.92
Sismica	-5.6	-60.48	-29.41
Sismica	-5.8	-66.66	-30.91
Sismica	-6	-73.14	-32.4
Sismica	-6.2	-79.92	-33.9
Sismica	-6.4	-87	-35.39
Sismica	-6.6	-94.38	-36.89
Sismica	-6.8	-102.06	-38.38
Sismica	-7	-110.03	-39.88
Sismica	-7.2	-118.3	-41.37
Sismica	-7.4	-126.88	-42.86
Sismica	-7.6	-135.75	-44.36
Sismica	-7.8	-144.93	-45.89
Sismica	-8	-154.49	-47.79
Sismica	-8.2	-164.46	-49.88
Sismica	-8.4	-172.31	-39.25
Sismica	-8.6	-178.11	-28.99
Sismica	-8.8	-182	-19.46
Sismica	-9	-184.16	-10.79
Sismica	-9.2	-184.76	-3.01
Sismica	-9.4	-183.96	4.01
Sismica	-9.6	-181.9	10.31
Sismica	-9.8	-178.71	15.92
Sismica	-10	-174.54	20.89
Sismica	-10.2	-169.49	25.23
Sismica	-10.4	-163.69	28.99
Sismica	-10.6	-157.25	32.2
Sismica	-10.8	-150.27	34.9
Sismica	-11	-142.85	37.11
Sismica	-11.2	-135.08	38.87
Sismica	-11.4	-127.04	40.21
Sismica	-11.6	-118.8	41.16
Sismica	-11.8	-110.46	41.74
Sismica	-12	-102.06	41.97
Sismica	-12.2	-93.69	41.89
Sismica	-12.4	-85.38	41.51
Sismica	-12.6	-77.22	40.85
Sismica	-12.8	-69.23	39.92
Sismica	-13	-61.48	38.76
Sismica	-13.2	-54.01	37.36
Sismica	-13.4	-46.86	35.75
Sismica	-13.6	-40.07	33.92
Sismica	-13.8	-33.69	31.9
Sismica	-14	-27.75	29.69
Sismica	-14.2	-22.29	27.3
Sismica	-14.4	-17.35	24.73
Sismica	-14.6	-12.95	21.98
Sismica	-14.8	-9.14	19.07

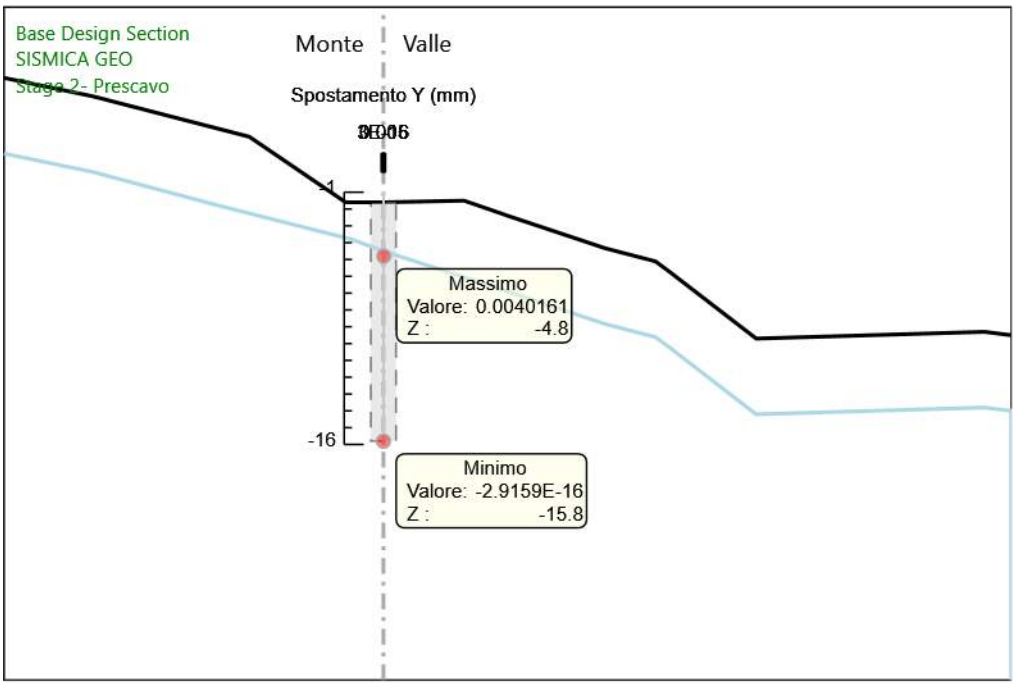
Design Assumption: SISMICA GEO	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Sismica	-15	-5.94	15.98
Sismica	-15.2	-3.4	12.73
Sismica	-15.4	-1.54	9.31
Sismica	-15.6	-0.39	5.72
Sismica	-15.8	0	1.96

6.5.8. Grafico Spostamento SISMICA GEO - Stage: Stage 1



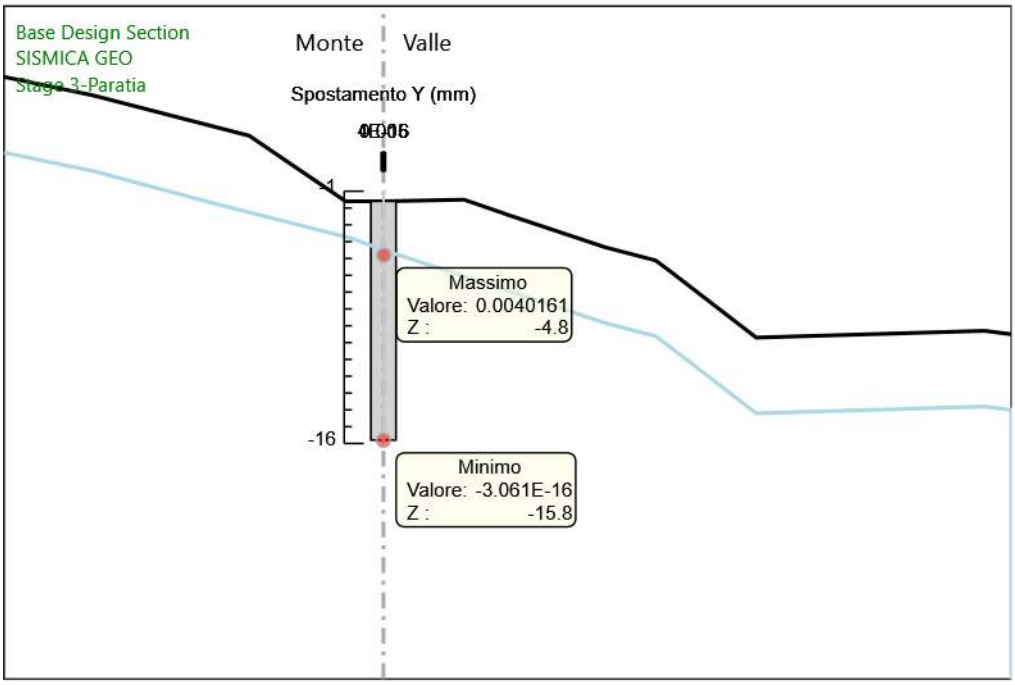
Design Assumption: SISMICA GEO
Stage: Stage 1
Spostamento orizzontale

6.5.9. Grafico Spostamento SISMICA GEO - Stage: Stage 2- Prescavo



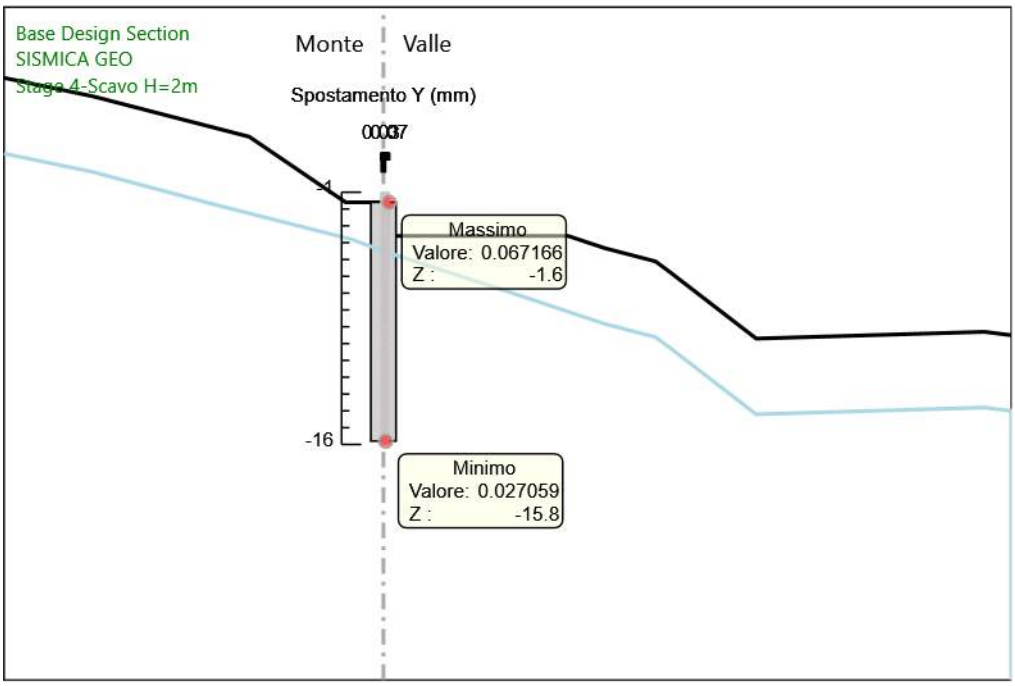
Design Assumption: SISMICA GEO
Stage: Stage 2- Prescavo
Spostamento orizzontale

6.5.10. Grafico Spostamento SISMICA GEO - Stage: Stage 3-Paratia



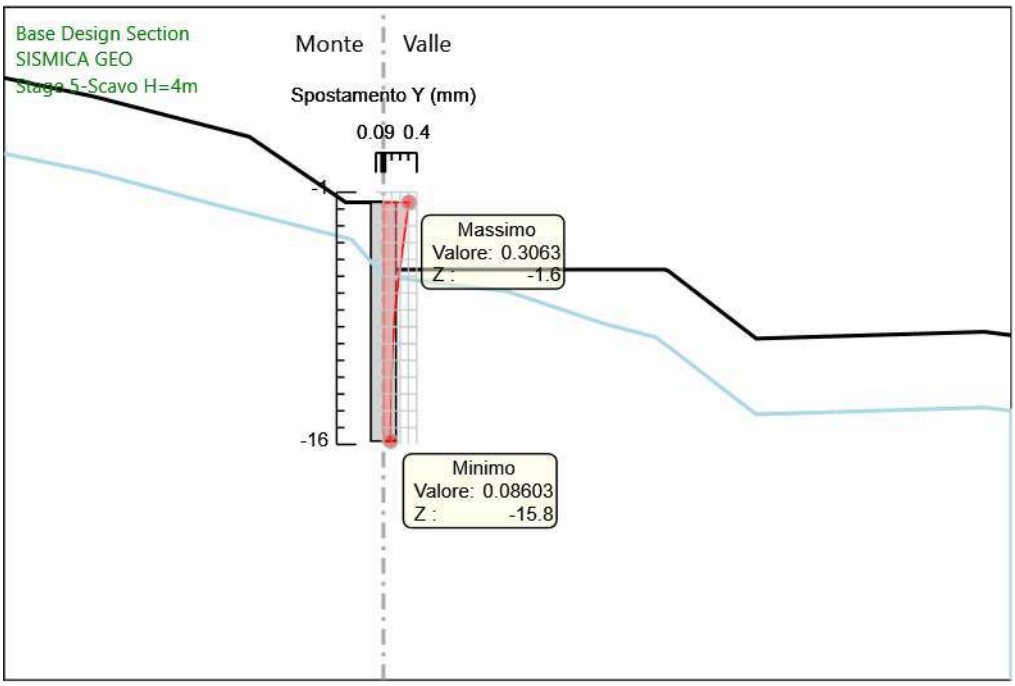
Design Assumption: SISMICA GEO
Stage: Stage 3-Paratia
Spostamento orizzontale

6.5.11. Grafico Spostamento SISMICA GEO - Stage: Stage 4-Scavo H=2m



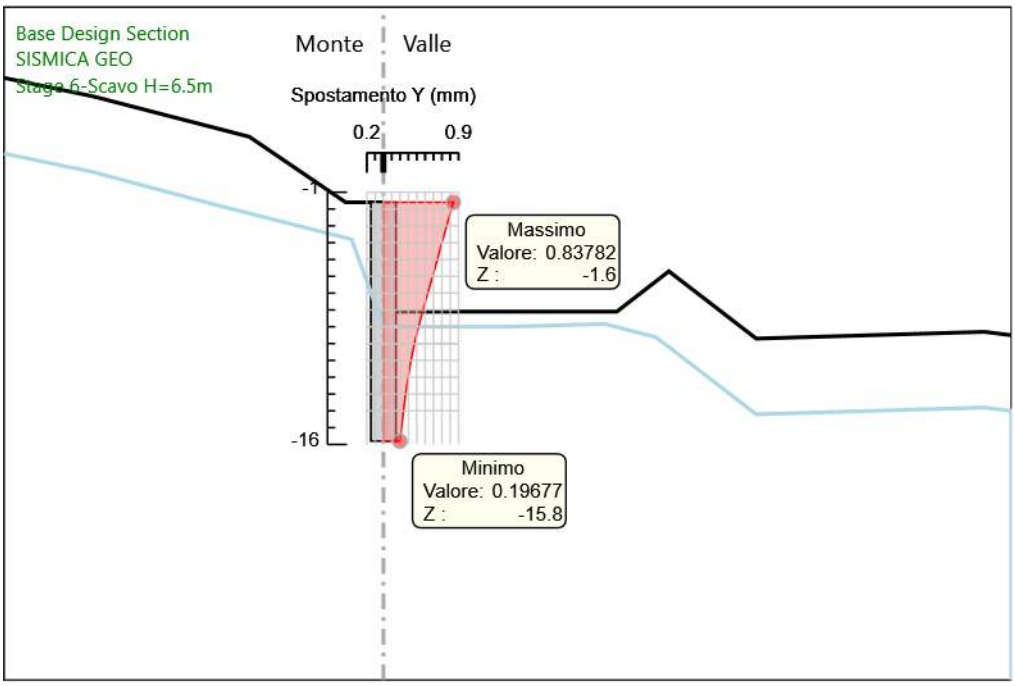
Design Assumption: SISMICA GEO
Stage: Stage 4-Scavo H=2m
Spostamento orizzontale

6.5.12. Grafico Spostamento SISMICA GEO - Stage: Stage 5-Scavo H=4m



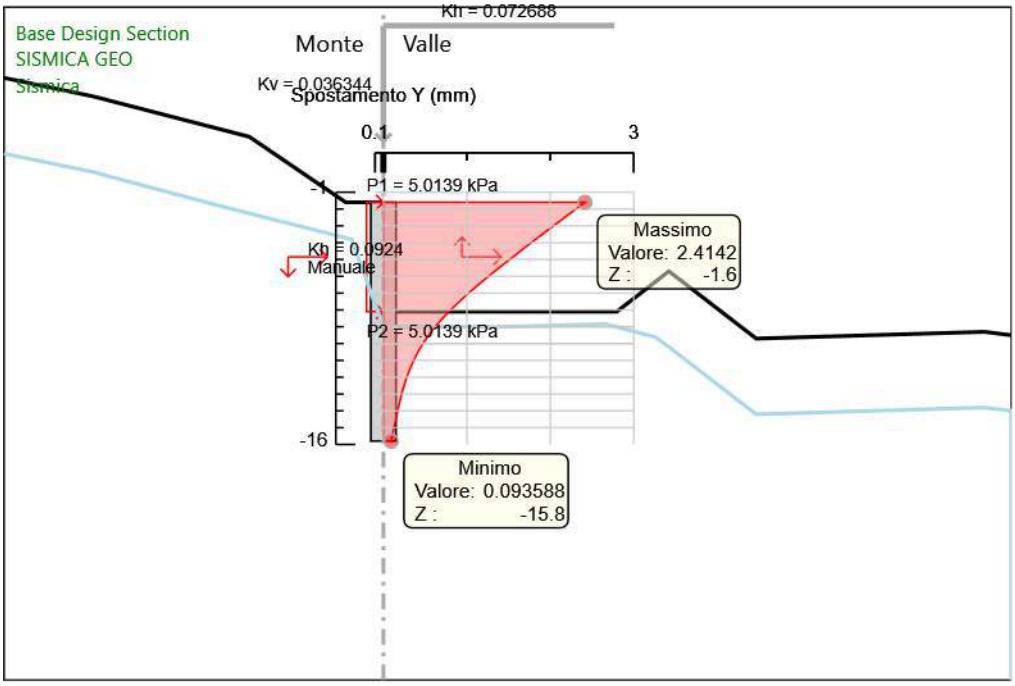
Design Assumption: SISMICA GEO
Stage: Stage 5-Scavo H=4m
Spostamento orizzontale

6.5.13. Grafico Spostamento SISMICA GEO - Stage: Stage 6-Scavo H=6.5m



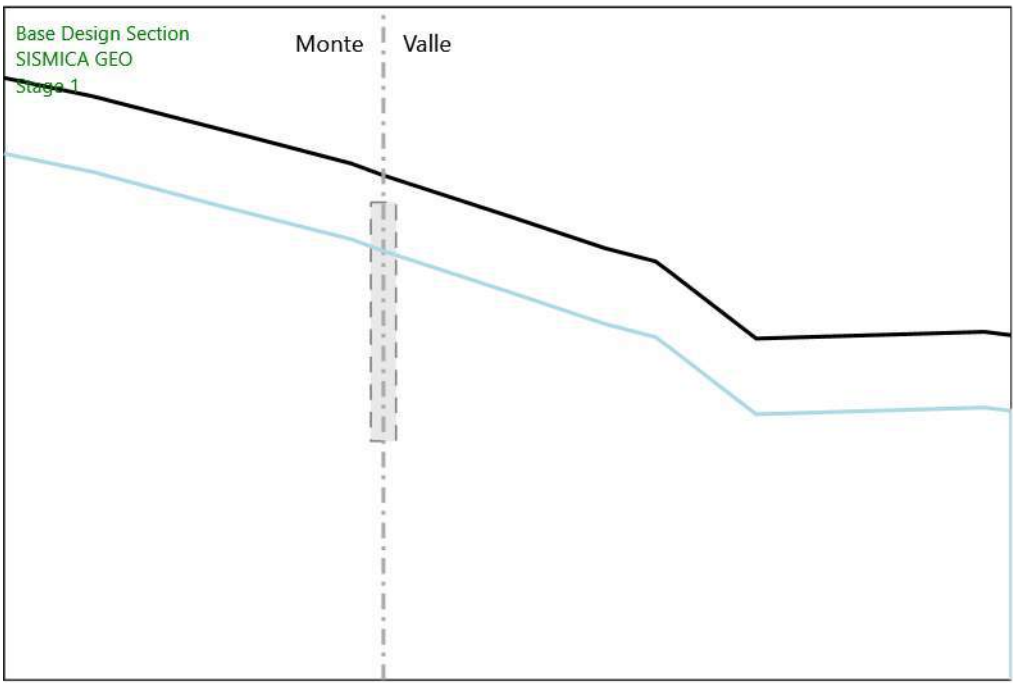
Design Assumption: SISMICA GEO
Stage: Stage 6-Scavo H=6.5m
Spostamento orizzontale

6.5.14. Grafico Spostamento SISMICA GEO - Stage: Sismica



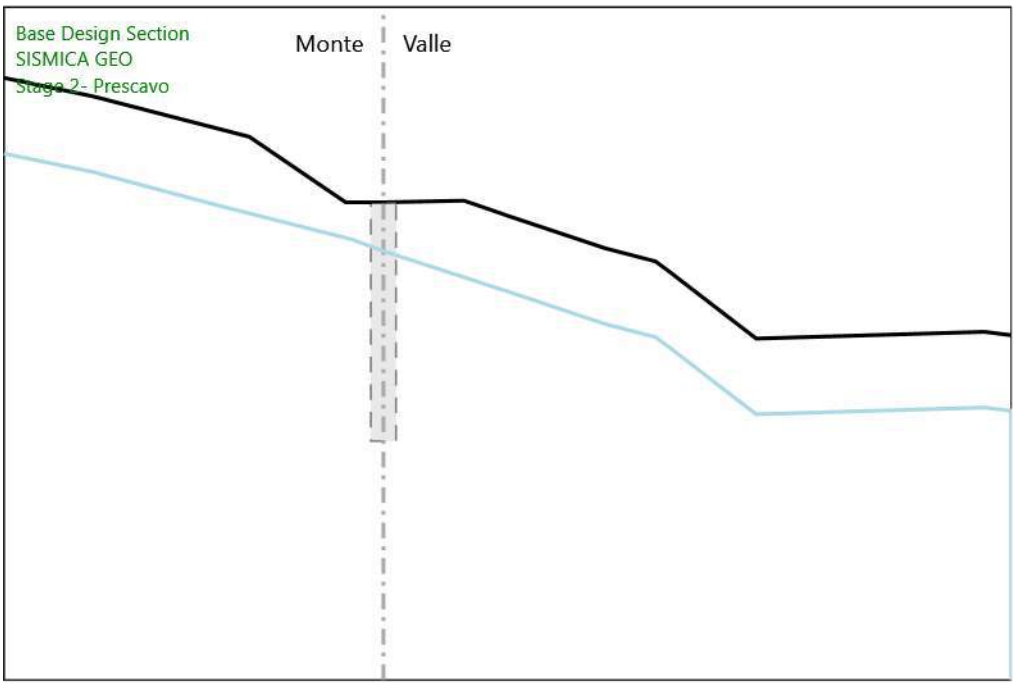
Design Assumption: SISMICA GEO
Stage: Sismica
Spostamento orizzontale

6.5.15. Grafico Risultati Momento SISMICA GEO - Stage: Stage 1



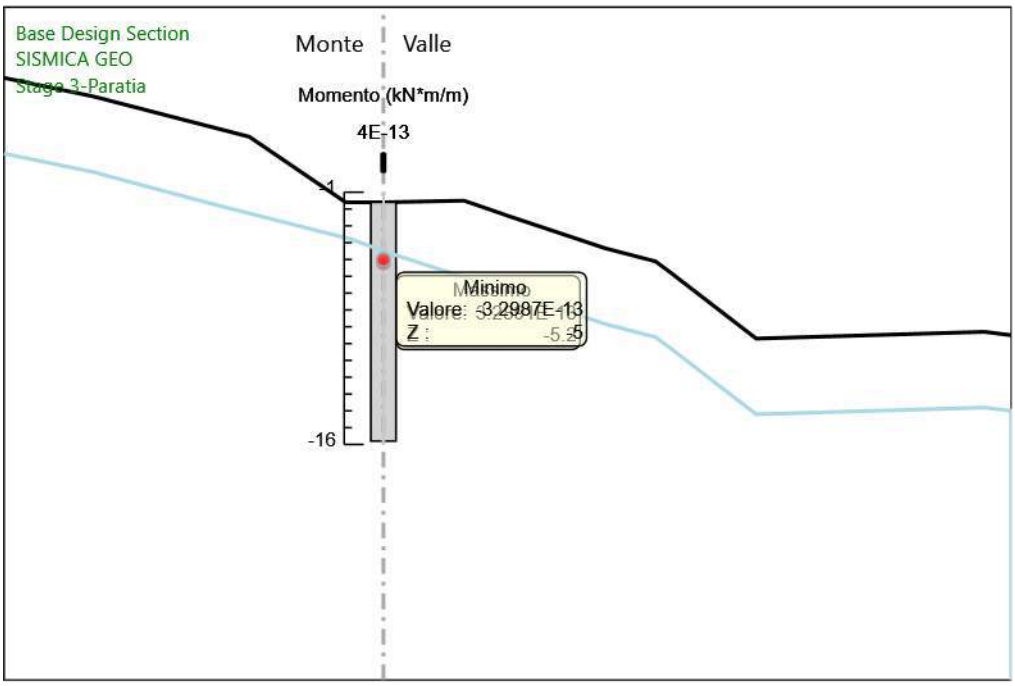
Design Assumption: SISMICA GEO
Stage: Stage 1
Momento

6.5.16. Grafico Risultati Momento SISMICA GEO - Stage: Stage 2- Prescavo



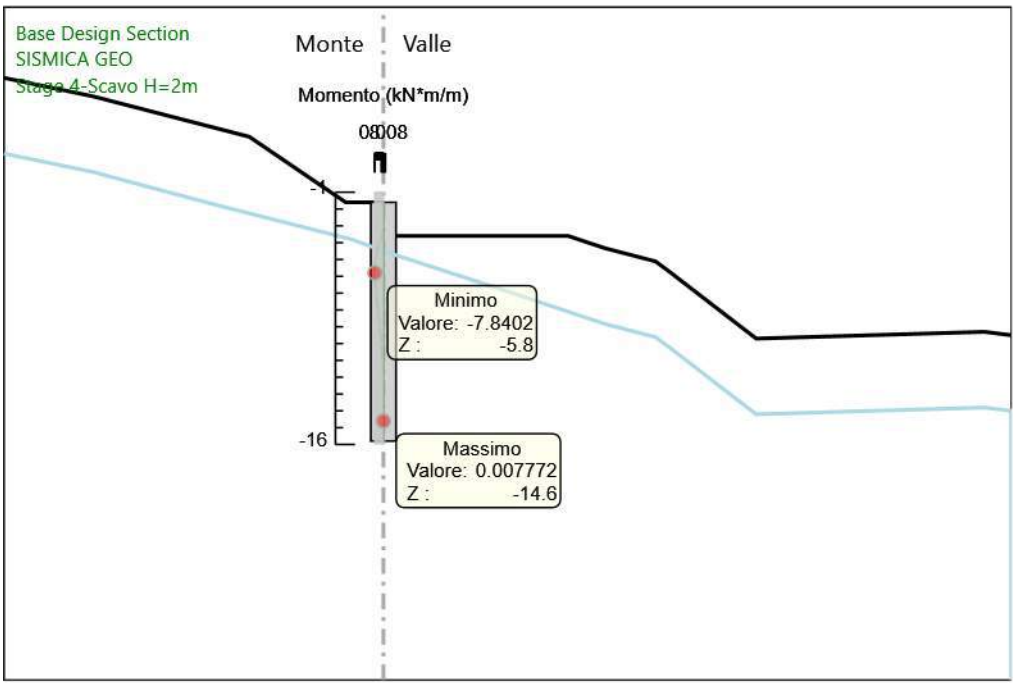
Design Assumption: SISMICA GEO
Stage: Stage 2- Prescavo
Momento

6.5.17. Grafico Risultati Momento SISMICA GEO - Stage: Stage 3-Paratia



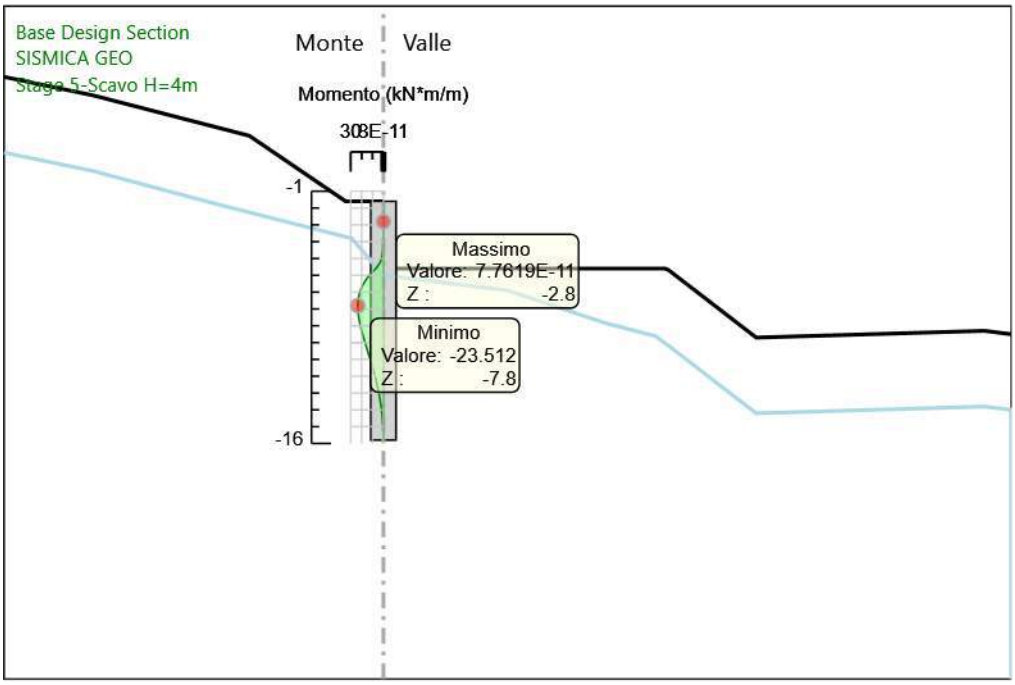
Design Assumption: SISMICA GEO
Stage: Stage 3-Paratia
Momento

6.5.18. Grafico Risultati Momento SISMICA GEO - Stage: Stage 4-Scavo H=2m



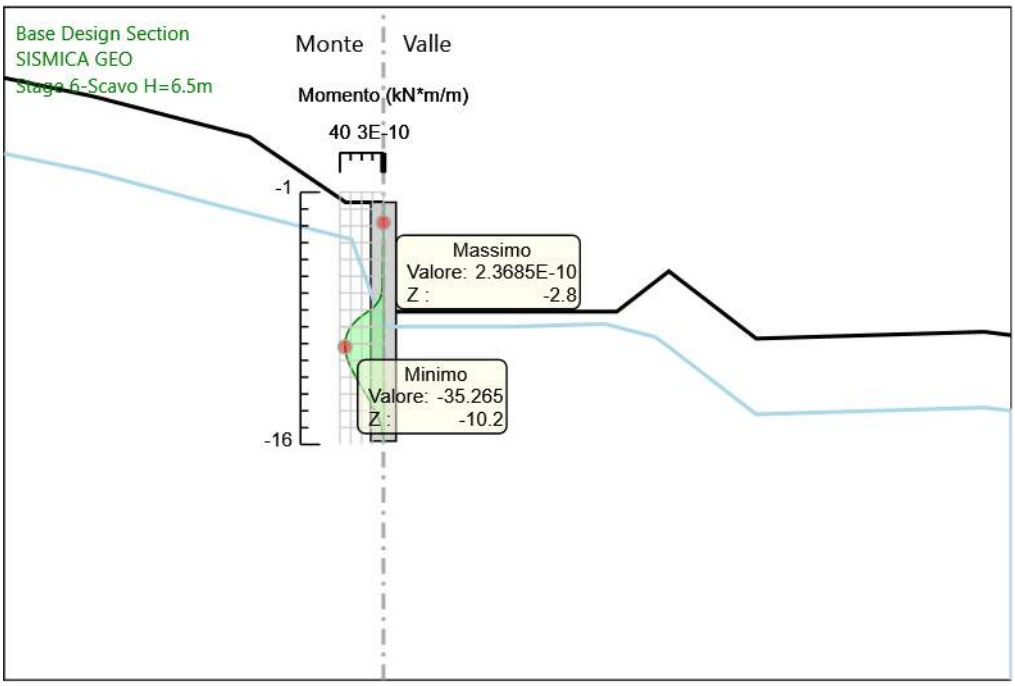
Design Assumption: SISMICA GEO
Stage: Stage 4-Scavo H=2m
Momento

6.5.19. Grafico Risultati Momento SISMICA GEO - Stage: Stage 5-Scavo H=4m



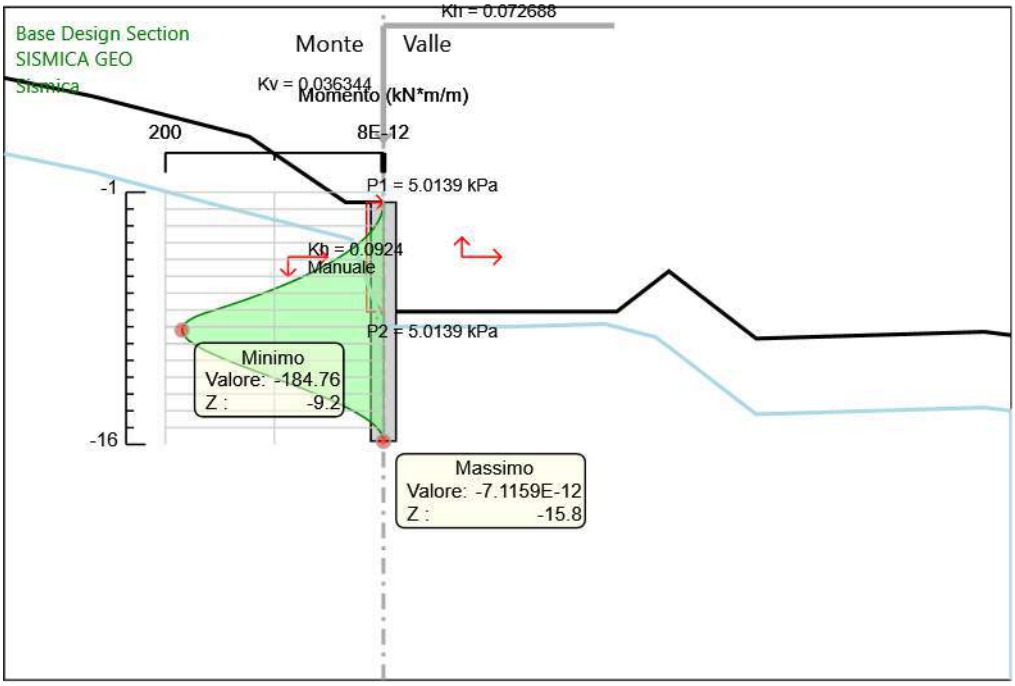
Design Assumption: SISMICA GEO
Stage: Stage 5-Scavo H=4m
Momento

6.5.20. Grafico Risultati Momento SISMICA GEO - Stage: Stage 6-Scavo H=6.5m



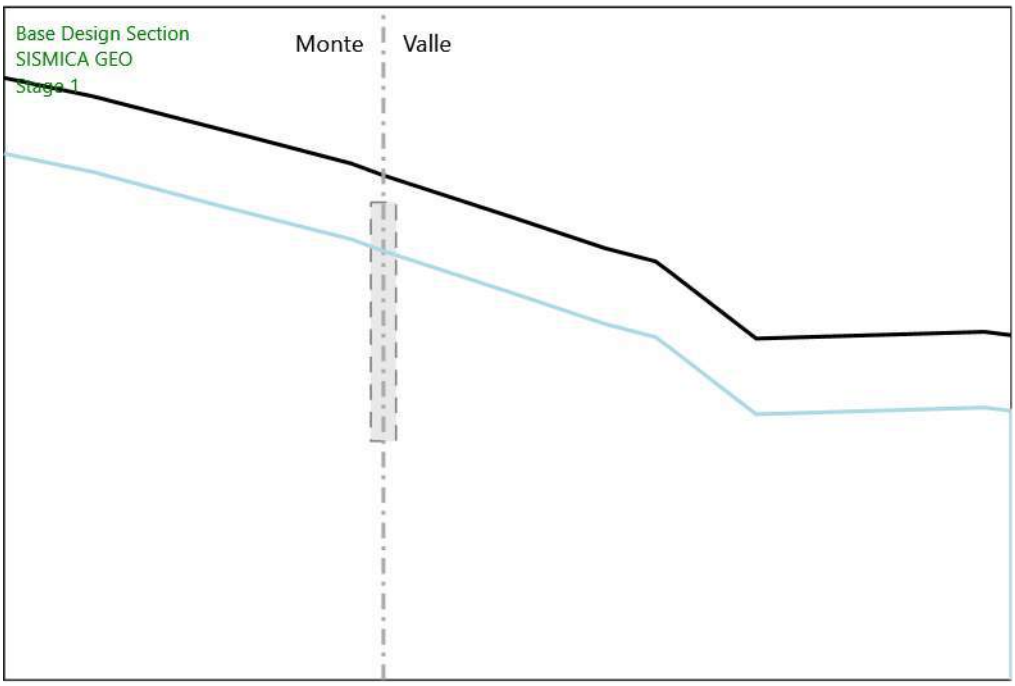
Design Assumption: SISMICA GEO
Stage: Stage 6-Scavo H=6.5m
Momento

6.5.21. Grafico Risultati Momento SISMICA GEO - Stage: Sismica



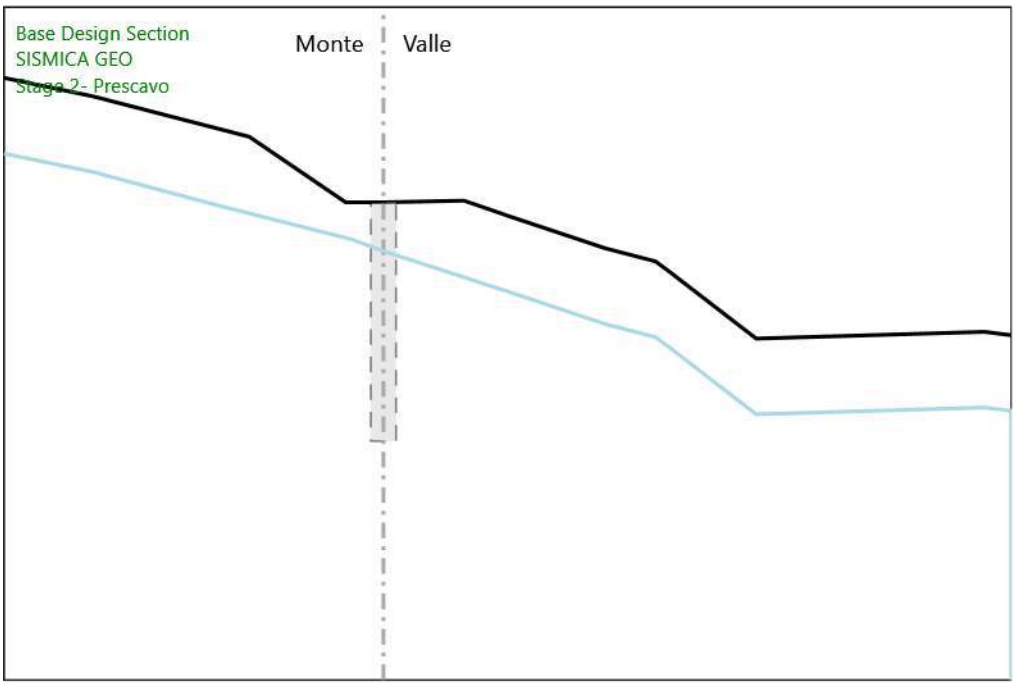
Design Assumption: SISMICA GEO
Stage: Sismica
Momento

6.5.22. Grafico Risultati Taglio SISMICA GEO - Stage: Stage 1



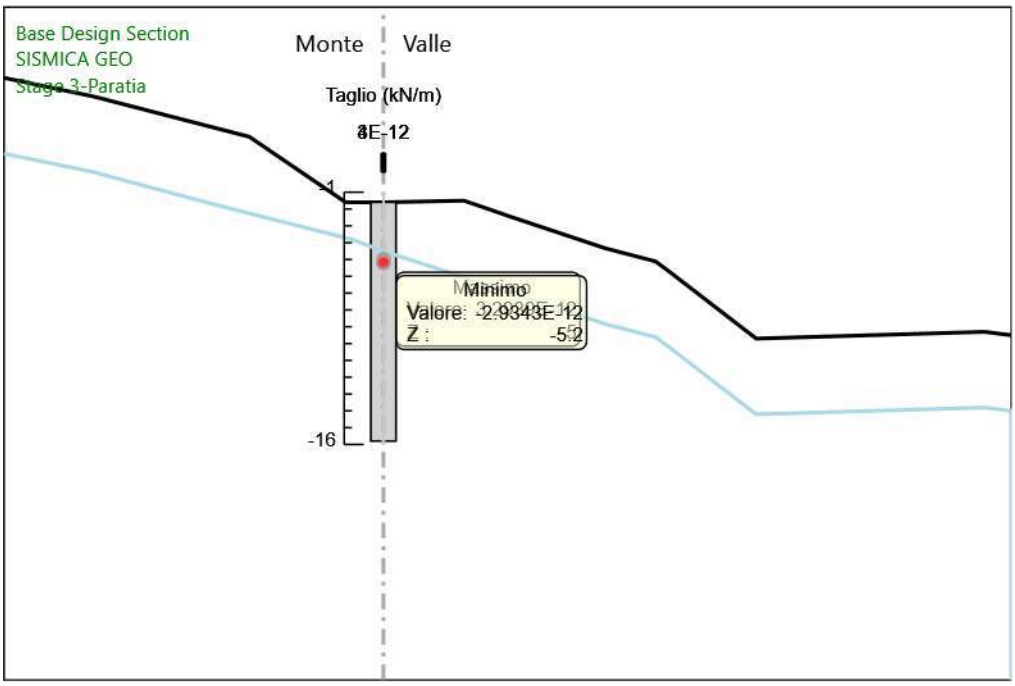
Design Assumption: SISMICA GEO
Stage: Stage 1
Taglio

6.5.23. Grafico Risultati Taglio SISMICA GEO - Stage: Stage 2- Prescavo



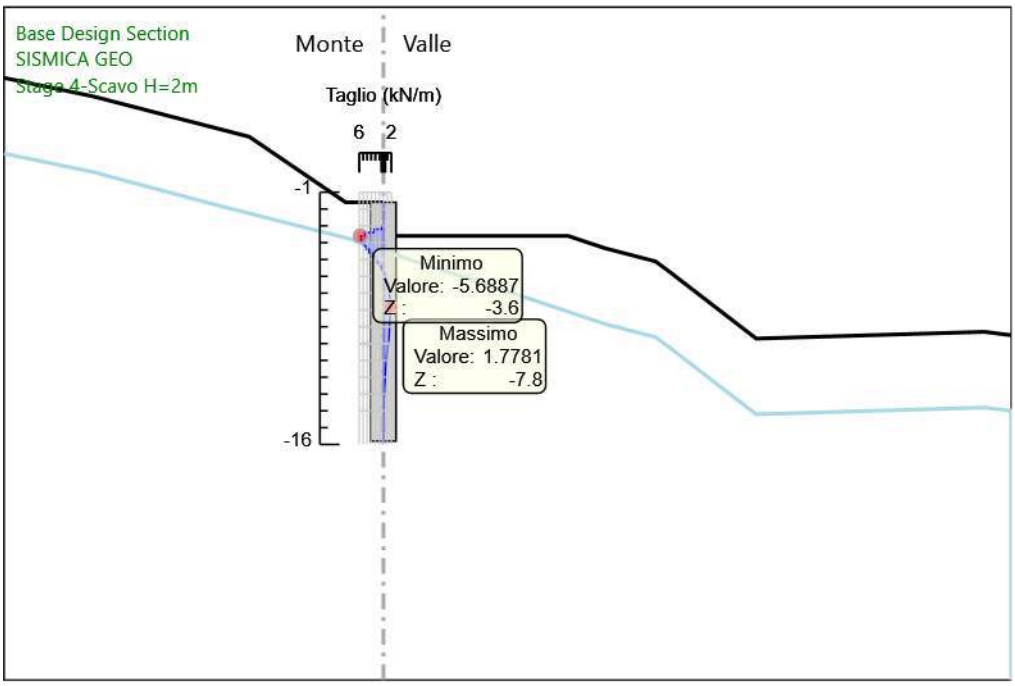
Design Assumption: SISMICA GEO
Stage: Stage 2- Prescavo
Taglio

6.5.24. Grafico Risultati Taglio SISMICA GEO - Stage: Stage 3-Paratia



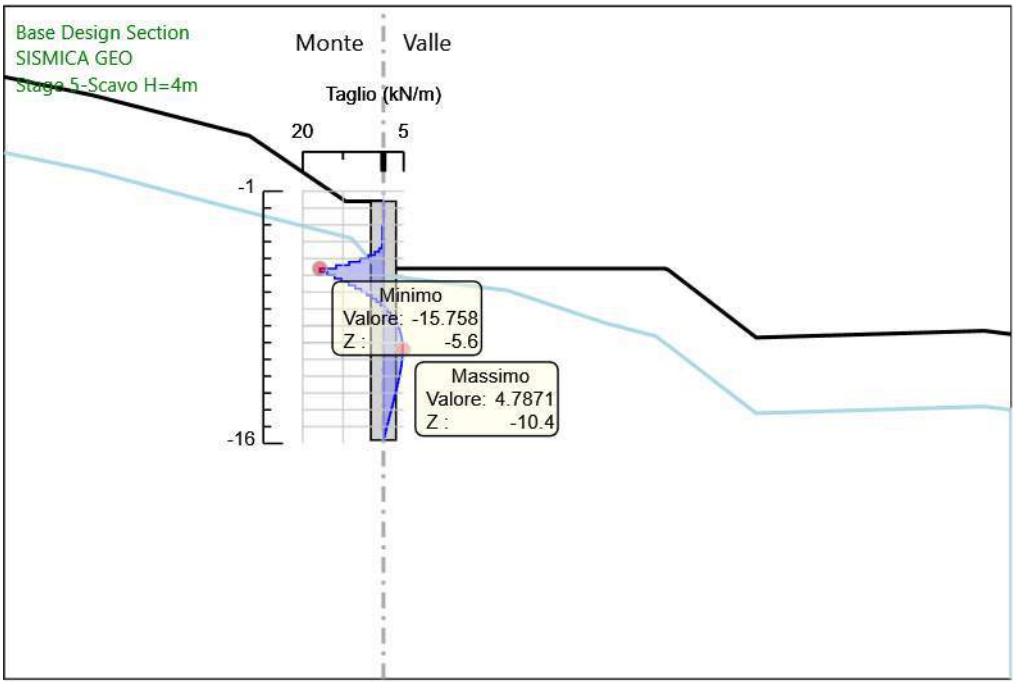
Design Assumption: SISMICA GEO
Stage: Stage 3-Paratia
Taglio

6.5.25. Grafico Risultati Taglio SISMICA GEO - Stage: Stage 4-Scavo H=2m



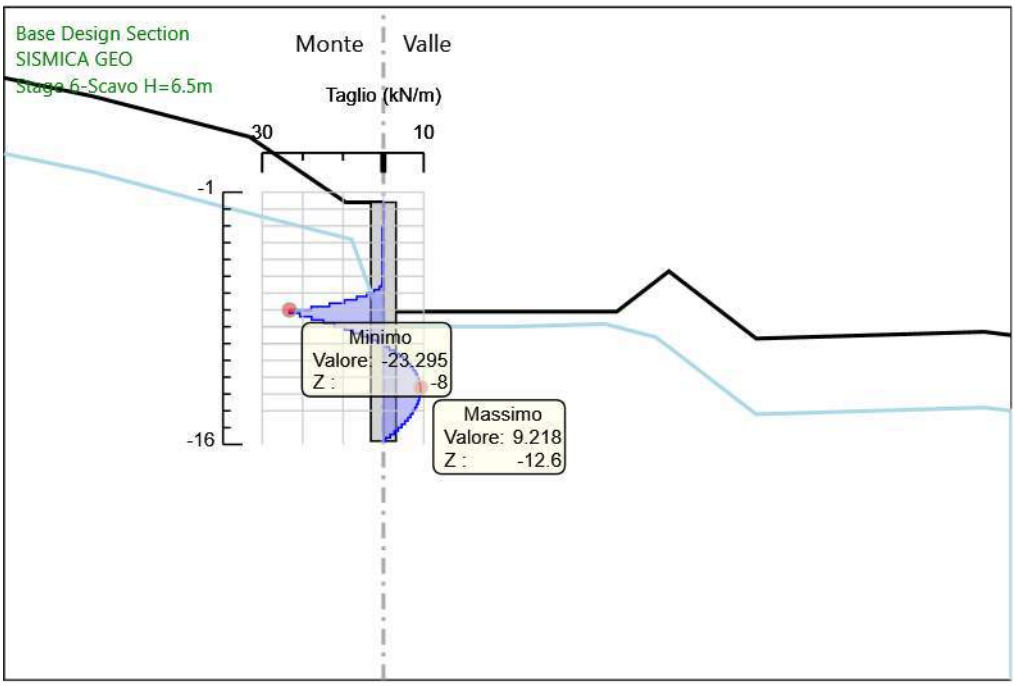
Design Assumption: SISMICA GEO
Stage: Stage 4-Scavo H=2m
Taglio

6.5.26. Grafico Risultati Taglio SISMICA GEO - Stage: Stage 5-Scavo H=4m



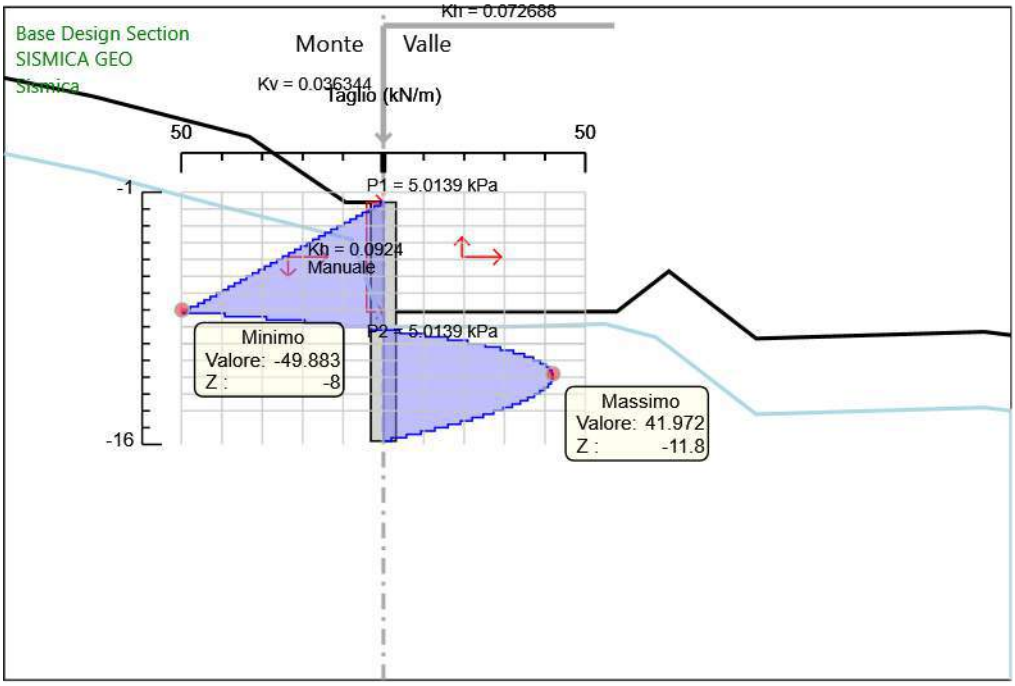
Design Assumption: SISMICA GEO
Stage: Stage 5-Scavo H=4m
Taglio

6.5.27. Grafico Risultati Taglio SISMICA GEO - Stage: Stage 6-Scavo H=6.5m



Design Assumption: SISMICA GEO
Stage: Stage 6-Scavo H=6.5m
Taglio

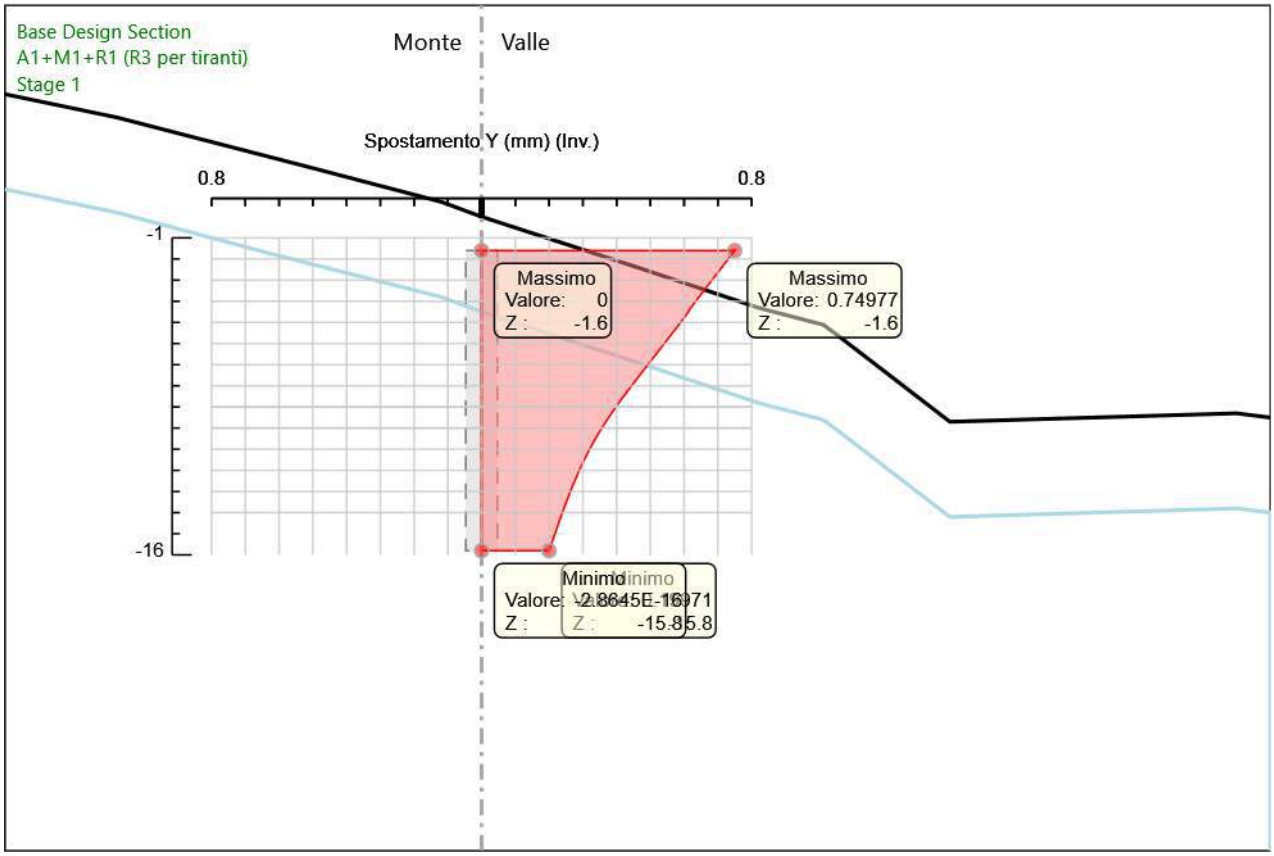
6.5.28. Grafico Risultati Taglio SISMICA GEO - Stage: Sismica



Design Assumption: SISMICA GEO
Stage: Sismica
Taglio

7. Descrizione sintetica dei risultati delle Design Assumption (Inviluppi)

7.1. Grafico Inviluppi Spostamento



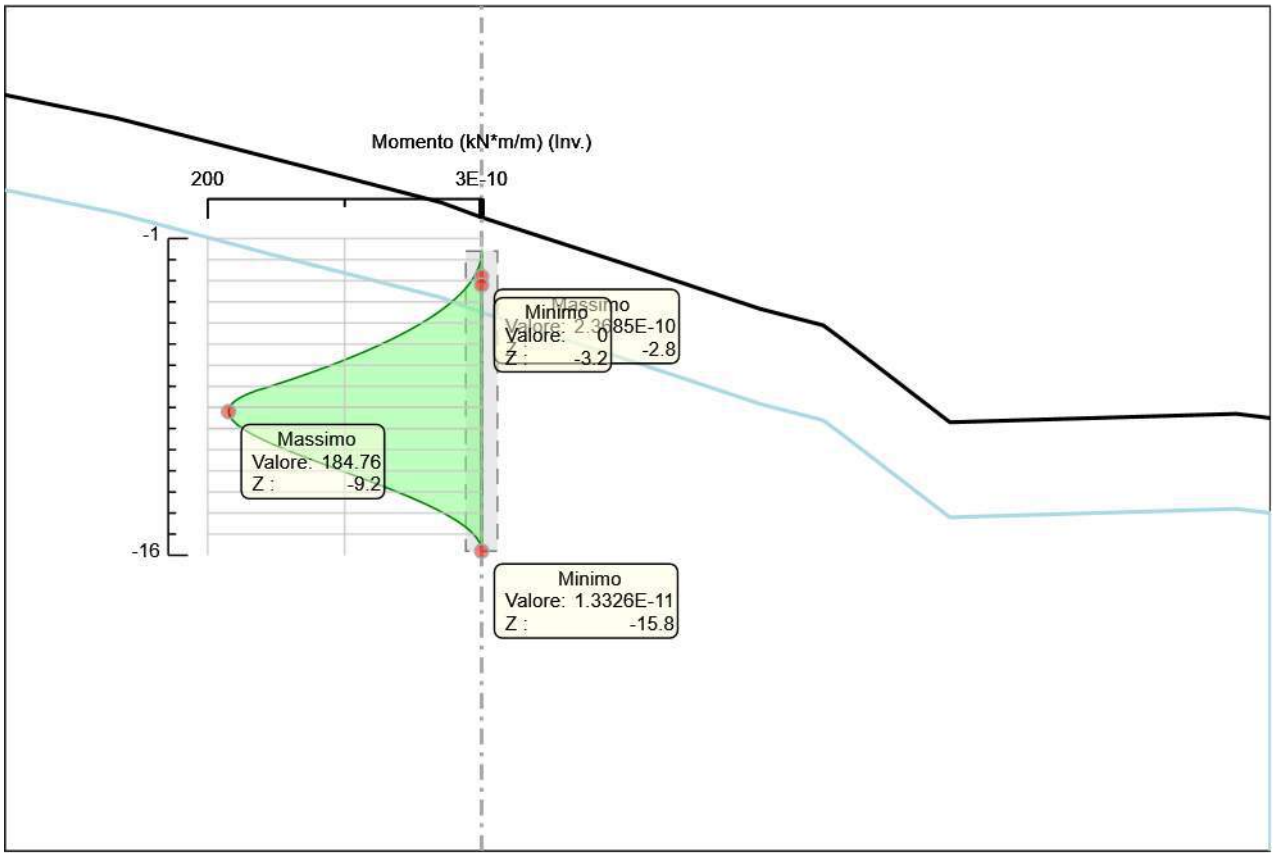
Spostamento

7.2. Tabella Inviluppi Momento WallElement

Selected Design Assumptions	Inviluppi: Momento	Muro: WallElement
Z (m)	Lato sinistro (kN*m/m)	Lato destro (kN*m/m)
-1.6	0	0
-1.8	0.149	0
-2	0.598	0
-2.2	1.345	0
-2.4	2.391	0
-2.6	3.736	0
-2.8	5.381	0
-3	7.323	0
-3.2	9.619	0
-3.4	12.214	0
-3.6	15.107	0
-3.8	18.3	0
-4	21.791	0
-4.2	25.581	0
-4.4	29.67	0
-4.6	34.058	0
-4.8	38.745	0
-5	43.731	0
-5.2	49.016	0
-5.4	54.6	0
-5.6	60.482	0
-5.8	66.664	0
-6	73.144	0
-6.2	79.924	0
-6.4	87.002	0
-6.6	94.379	0
-6.8	102.055	0
-7	110.03	0
-7.2	118.304	0
-7.4	126.877	0
-7.6	135.749	0
-7.8	144.928	0
-8	154.486	0
-8.2	164.463	0
-8.4	172.312	0
-8.6	178.11	0
-8.8	182.003	0
-9	184.161	0
-9.2	184.763	0
-9.4	183.961	0
-9.6	181.899	0
-9.8	178.714	0
-10	174.537	0
-10.2	169.492	0
-10.4	163.694	0
-10.6	157.254	0
-10.8	150.275	0
-11	142.853	0
-11.2	135.079	0
-11.4	127.036	0
-11.6	118.805	0
-11.8	110.458	0
-12	102.063	0
-12.2	93.686	0
-12.4	85.384	0
-12.6	77.215	0
-12.8	69.23	0
-13	61.479	0
-13.2	54.006	0
-13.4	46.857	0
-13.6	40.072	0
-13.8	33.692	0
-14	27.753	0
-14.2	22.293	0
-14.4	17.347	0
-14.6	12.951	0
-14.8	9.138	0

Selected Design Assumptions	Inviluppi: Momento	Muro: WallElement
Z (m)	Lato sinistro (kN*m/m)	Lato destro (kN*m/m)
-15	5.942	0
-15.2	3.397	0
-15.4	1.536	0
-15.6	0.392	0
-15.8	0	0

7.3. Grafico Inviluppi Momento



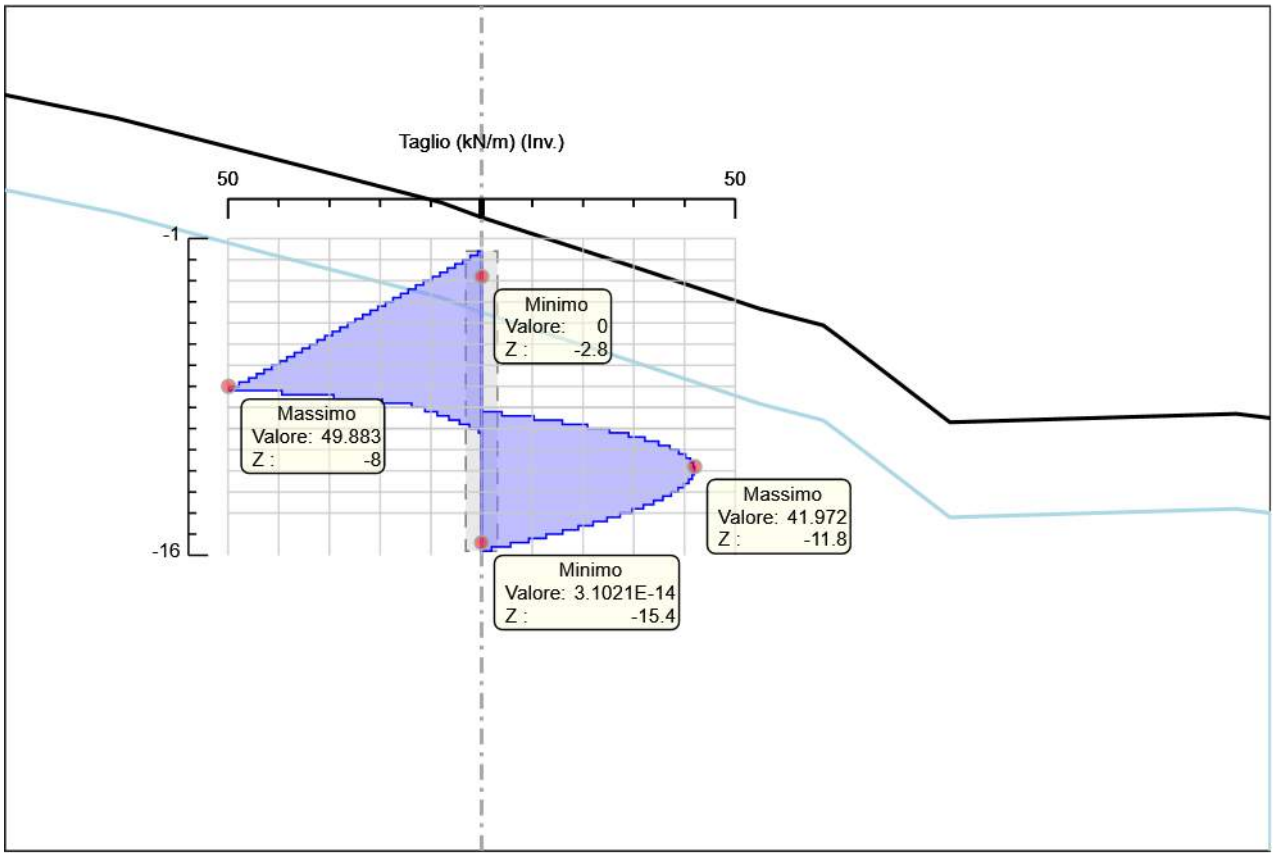
Momento

7.4. Tabella Inviluppi Taglio WallElement

Selected Design Assumptions	Inviluppi: Taglio	Muro: WallElement
Z (m)	Lato sinistro (kN/m)	Lato destro (kN/m)
-1.6	0.747	0
-1.8	2.242	0
-2	3.736	0
-2.2	5.231	0
-2.4	6.726	0
-2.6	8.22	0
-2.8	9.715	0
-3	11.478	0
-3.2	12.973	0
-3.4	14.467	0
-3.6	15.962	0
-3.8	17.457	0
-4	18.951	0
-4.2	20.446	0
-4.4	21.94	0
-4.6	23.435	0
-4.8	24.929	0
-5	26.424	0
-5.2	27.919	0
-5.4	29.413	0
-5.6	30.908	0
-5.8	32.402	0
-6	33.897	0
-6.2	35.392	0
-6.4	36.886	0
-6.6	38.381	0
-6.8	39.875	0
-7	41.37	0
-7.2	42.864	0
-7.4	44.359	0
-7.6	45.894	0
-7.8	47.792	0
-8	49.883	0
-8.2	49.883	0
-8.4	39.372	0
-8.6	29.121	0
-8.8	19.603	0
-9	13.793	0
-9.2	11.183	4.01
-9.4	8.736	10.311
-9.6	6.455	15.924
-9.8	4.342	20.885
-10	2.394	25.228
-10.2	0.611	28.988
-10.4	0	32.2
-10.6	0	34.896
-10.8	0	37.11
-11	0	38.872
-11.2	0	40.211
-11.4	0	41.157
-11.6	0	41.736
-11.8	0	41.972
-12	0	41.972
-12.2	0	41.888
-12.4	0	41.506
-12.6	0	40.846
-12.8	0	39.925
-13	0	38.758
-13.2	0	37.361
-13.4	0	35.746
-13.6	0	33.924
-13.8	0	31.904
-14	0	29.693
-14.2	0	27.3
-14.4	0	24.728
-14.6	0	21.982
-14.8	0	19.065

Selected Design Assumptions	Inviluppi: Taglio	Muro: WallElement
Z (m)	Lato sinistro (kN/m)	Lato destro (kN/m)
-15	0	15.98
-15.2	0	12.726
-15.4	0	9.305
-15.6	0	5.717
-15.8	0	1.962

7.5. Grafico Inviluppi Taglio



Taglio

7.6. Inviluppo Spinta Reale Efficace / Spinta Passiva

Design Assumption	Stage	Muro	Lato	Inviluppo Spinta Reale Efficace / Spinta Passiva %
A2+M2+R1	Stage 2- Prescavo	Left Wall	LEFT	8.89
SISMICA GEO	Sismica	Left Wall	RIGHT	23.07

7.7. Inviluppo Spinta Reale Efficace / Spinta Attiva

Design Assumption	Stage	Muro	Lato	Inviluppo Spinta Reale Efficace / Spinta Attiva %
SISMICA GEO	Sismica	Left Wall	LEFT	204.23
A2+M2+R1	Stage 1	Left Wall	RIGHT	2524.34

8. Allegati

8.1. Design Assumption : Nominal - File di Paratie - File di input (.d)

```
* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: Nominal
 * Time:giovedì 27 gennaio 2022 16:36:09
 * 1: Defining general settings
 UNIT  m kN
 TITLE New Project
 DELTA 0.2
 option param itemax 40
 option control contact lagrange

 option control hinges 0 0.0001 0.001

 * 2: Defining wall(s)
 WALL LeftWall_36 0 -15.8 -1.6 1

 * 3: Defining surfaces for wall(s)
 SOIL 0_L LeftWall_36 -15.8 -1.6 1 0
 SOIL 0_R LeftWall_36 -15.8 -1.6 2 180

 * 4: Defining soil layers
 *
 * Soil Profile (Salt_167_12_L_0)
 *
 LDATA Salt_167_12_L_0 0 LeftWall_36
 ATREST 0.5 0.5 1
 WEIGHT 20 10 10
 PERMEABILITY 1E-05
 RESISTANCE 10 26 0 0 0
 TZDATA  LINEAR 10000 0 25 0.5 0
 KSCALE  0 0
 YOUNG 2E+05 6E+05
 ENDL
 *
 * Soil Profile (Sch_168_2687_L_0)
 *
 LDATA Sch_168_2687_L_0 -3.2 LeftWall_36
 ATREST 0.5 0.5 1
 WEIGHT 23 13 10
 PERMEABILITY 1E-05
 RESISTANCE 63 31 0 0 0
 TZDATA  LINEAR 10000 0 25 0.5 0
 KSCALE  0 0
 YOUNG 1.35E+05 4.05E+05
 ENDL

 * 5: Defining structural materials
 * Steel material: 114 Name=Fe360 E=206000200 kPa
 MATERIAL Fe360_114 2.06E+08
 * Concrete material: 112 Name=C32/40 E=33345800 kPa
 MATERIAL C3240_112 3.3346E+07

 * 6: Defining structural elements
 * 6.1: Beams and combined Wall Elements
 ** rev 2021 and later
 BEAM WallElement_9503 LeftWall_36 -15.8 -1.6 C3240_112 1.206 1.0395 0.14618 25.987 00 00 0


 * 6.2: Supports




 * 6.3: Strips

 * 7: Defining Steps
 STEP Stage1_2689
 CHANGE Salt_167_12_L_0 U-FRICT=26 LeftWall_36
 CHANGE Salt_167_12_L_0 D-FRICT=26 LeftWall_36
 CHANGE Salt_167_12_L_0 U-KA=0.5 LeftWall_36
 CHANGE Salt_167_12_L_0 U-KP=4.773 LeftWall_36
 CHANGE Salt_167_12_L_0 D-KA=0.284 LeftWall_36
 CHANGE Salt_167_12_L_0 D-KP=1.667 LeftWall_36
 CHANGE Sch_168_2687_L_0 U-FRICT=31 LeftWall_36
 CHANGE Sch_168_2687_L_0 D-FRICT=31 LeftWall_36
 CHANGE Sch_168_2687_L_0 U-KA=0.353 LeftWall_36
 CHANGE Sch_168_2687_L_0 U-KP=6.191 LeftWall_36
 CHANGE Sch_168_2687_L_0 D-KA=0.234 LeftWall_36
 CHANGE Sch_168_2687_L_0 D-KP=2.189 LeftWall_36
 CHANGE Salt_167_12_L_0 U-COHE=10 LeftWall_36
 CHANGE Salt_167_12_L_0 U-ADHES=0 LeftWall_36
 CHANGE Salt_167_12_L_0 D-COHE=10 LeftWall_36
```

```
CHANGE Salt_167_12_L_0 D-ADHES=0 LeftWall_36
CHANGE Sch_168_2687_L_0 U-COHE=63 LeftWall_36
CHANGE Sch_168_2687_L_0 U-ADHES=0 LeftWall_36
CHANGE Sch_168_2687_L_0 D-COHE=63 LeftWall_36
CHANGE Sch_168_2687_L_0 D-ADHES=0 LeftWall_36
SETWALL LeftWall_36
GEOM 0 0
SURCHARGE 0 0 0 0
WATER -4.3085 0.36005 -15.8 0 0
ENDSTEP

STEP Stage2-Prescavo_15102
CHANGE Salt_167_12_L_0 U-KA=0.344 LeftWall_36
CHANGE Salt_167_12_L_0 U-KP=4.867 LeftWall_36
CHANGE Salt_167_12_L_0 D-KA=0.349 LeftWall_36
CHANGE Salt_167_12_L_0 D-KP=3.517 LeftWall_36
CHANGE Sch_168_2687_L_0 U-KA=0.395 LeftWall_36
CHANGE Sch_168_2687_L_0 U-KP=6.59 LeftWall_36
CHANGE Sch_168_2687_L_0 D-KA=0.274 LeftWall_36
CHANGE Sch_168_2687_L_0 D-KP=3.209 LeftWall_36
SETWALL LeftWall_36
GEOM -1.6 -1.6
SURCHARGE 0 0 0 0
WATER -4.3085 0.36005 -15.8 0 0
ENDSTEP

STEP Stage3-Paratia_9252
SETWALL LeftWall_36
GEOM -1.6 -1.6
SURCHARGE 0 0 0 0
WATER -4.3085 0.36005 -15.8 0 0
ADD WallElement_9503
ENDSTEP

STEP Stage4-ScavoH=2m_9504
CHANGE Salt_167_12_L_0 D-KA=0.344 LeftWall_36
CHANGE Salt_167_12_L_0 D-KP=3.404 LeftWall_36
CHANGE Sch_168_2687_L_0 D-KA=0.279 LeftWall_36
CHANGE Sch_168_2687_L_0 D-KP=4.125 LeftWall_36
SETWALL LeftWall_36
GEOM -1.6 -3.6
SURCHARGE 0 0 0 0
WATER -4.3085 0.36005 -15.8 0 0
ENDSTEP

STEP Stage5-ScavoH=4m_10726
CHANGE Sch_168_2687_L_0 D-KP=4.544 LeftWall_36
SETWALL LeftWall_36
GEOM -1.6 -5.6
SURCHARGE 0 0 0 0
WATER -5.3982 0.66503 -15.8 0 0
ENDSTEP

STEP Stage6-ScavoH=6.5m_10977
CHANGE Sch_168_2687_L_0 D-KP=4.555 LeftWall_36
SETWALL LeftWall_36
GEOM -1.6 -8.1
SURCHARGE 0 0 0 0
WATER -7.5775 1.4225 -15.8 0 0
ENDSTEP

STEP Sismica_12188
SETWALL LeftWall_36
GEOM -1.6 -8.1
SURCHARGE 0 0 0 0
WATER -7.5775 1.4225 -15.8 0 0
CHANGE Salt_167_12_L_0 U-KAED=0.42476 LeftWall_36
CHANGE Salt_167_12_L_0 U-KAEW=0.50531 LeftWall_36
CHANGE Salt_167_12_L_0 U-KPED=5.0542 LeftWall_36
CHANGE Salt_167_12_L_0 U-KPEW=4.9464 LeftWall_36
CHANGE Salt_167_12_L_0 D-KAED=0.39392 LeftWall_36
CHANGE Salt_167_12_L_0 D-KAEW=0.47785 LeftWall_36
CHANGE Salt_167_12_L_0 D-KPED=3.0216 LeftWall_36
CHANGE Salt_167_12_L_0 D-KPEW=2.7412 LeftWall_36
CHANGE Sch_168_2687_L_0 U-KAED=0.55658 LeftWall_36
CHANGE Sch_168_2687_L_0 U-KAEW=0.80557 LeftWall_36
CHANGE Sch_168_2687_L_0 U-KPED=6.7804 LeftWall_36
CHANGE Sch_168_2687_L_0 U-KPEW=6.6381 LeftWall_36
CHANGE Sch_168_2687_L_0 D-KAED=0.32429 LeftWall_36
CHANGE Sch_168_2687_L_0 D-KAEW=0.3777 LeftWall_36
CHANGE Sch_168_2687_L_0 D-KPED=4.0746 LeftWall_36
CHANGE Sch_168_2687_L_0 D-KPEW=3.8247 LeftWall_36
EQK USER 0.0924 0.0462 -0.0462 0 0.5 0 0.5 0 0
* Defining seismic surcharge pressures on wall LeftWall_36
*          min elevation = -8,1
*          max elevation = -1,6
*          average gamma = 22,2615384615385
*                     kh = 0,0924
*                deltaQ = 32,5900575
DLOAD step LeftWall_36 -8.1 5.0139 -1.6 5.0139
* Include pressure contribution from wall: LeftWall_36
* Include wall contribution
```

```
DLOAD step LeftWall_36 -8.1 2.4012 -1.6 2.4012
ENDSTEP
```

8.2. Design Assumption : Nominal - File di Paratie - File di output (.out)

```
+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:36:09                                               |
+-----------------------------------------------------------------------------------------------------------------------+

                    ********************************************************
                    *                                                      *
                    *  PARATIE PLUS Non-Linear Spring Engine               *
                    *                                                      *
                    *          AN ELASTOPLASTIC FINITE ELEMENT PROGRAM     *
                    *          FOR FLEXIBLE EARTH-RETAINING STRUCTURES     *
                    *                                                      *
                    *          Written by CEAS s.r.l. (ITALY)              *
                    *          with the scientific supervision of          *
                    *          Roberto Nova - full professor SOIL MECHANICS*
                    *          at Politecnico di Milano (ITALY)            *
                    *                                                      *
                    ********************************************************
                    *                                                      *
                    *  RELEASE   2022.0.0   *Build date:Sep 13, 2021*      *
                    *                                                      *
                    *                                                      *
                    *  CEAS S.R.L  VIALE   GIUSTINIANO 10                  *
                    *              20129   M I L A N O  (ITALIA)           *
                    *  TEL.        +39 02 2020221                          *
                    *                                                      *
                    *  email       bruno.becci@ceas.it                     *
                    *  Web Page    www.ceas.it     www.paratieplus.com     *
                    ********************************************************



 JOB : ParatiePlus
 STARTING
ACCEPTED   &lt;FILE,GENW                                                                    &gt;
ACCEPTED   &lt;FILE,PLOTTER,BINARY                                                          &gt;
ACCEPTED   &lt;SOLVE TOTAL_STRESS                                                           &gt;
ACCEPTED   &lt;PARAM ITEMAX 40                                                              &gt;
ACCEPTED   &lt;CONTROL CONTACT LAGRANGE                                                     &gt;
ACCEPTED   &lt;CONTROL HINGES 0 0.0001 0.001                                                &gt;



                    ********************************************************
                    *                                                      *
                    *  WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED  *
                    *    BY THE PROGRAM.                                   *
                    ********************************************************

PRELIMINARY OPERATIONS CPU TIME     0.01 [sec]
```

```
+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                 Exe Time :27 January 2022   16:36:09                                                  |
+-----------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................   72
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)...................... 144
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    3
NO. OF SOLUTION STEPS (NSTE)...................    7
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN ..................... 126
NO. OF LONG NAMES (LASTNAME) ..................   22
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
MAX INELASTIC DISPL. TABLE LENGTH..............    0
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


IDOFA (01) =  2  Y-DISPL.F
IDOFA (02) =  4   X-ROT. F

 RELEVANT ITEMS UNITS

 STRESSES                  kPa
 Y-DISPLACEMENTS           m
 ROTATIONS                 RADIANS
 BEAM AND SLAB MOMENTS     kN*m/m
 BEAM SHEAR FORCES         kN/m
 ANCHOR FORCES             kN/m
 AXIAL FORCES IN TRUSSES   kN/m
 AXIAL FORCES SPRINGS      kN/m
 Y-REACTIONS               kN/m
 X-MOMENT REACTIONS        kN*m/m
 ETC.
```

```
+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                  Exe Time :27 January 2022   16:36:09                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
                  P R E P R O C E S S O R     D A T A

                  N O.  O F   C O M M A N D S    126

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
    4 : option param itemax 40
    5 : option control contact lagrange
    6 : option control hinges 0 0.0001 0.001
    7 : WALL LeftWall_36 0 -15.8 -1.6 1
    8 : SOIL 0_L LeftWall_36 -15.8 -1.6 1 0
    9 : SOIL 0_R LeftWall_36 -15.8 -1.6 2 180
   10 : LDATA Salt_167_12_L_0 0 LeftWall_36
   11 : ATREST 0.5 0.5 1
   12 : WEIGHT 20 10 10
   13 : PERMEABILITY 1E-05
   14 : RESISTANCE 10 26 0 0 0
   15 : TZDATA  LINEAR 10000 0 25 0.5 0
   16 : KSCALE  0 0
   17 : YOUNG 2E+05 6E+05
   18 : ENDL
   19 : LDATA Sch_168_2687_L_0 -3.2 LeftWall_36
   20 : ATREST 0.5 0.5 1
   21 : WEIGHT 23 13 10
   22 : PERMEABILITY 1E-05
   23 : RESISTANCE 63 31 0 0 0
   24 : TZDATA  LINEAR 10000 0 25 0.5 0
   25 : KSCALE  0 0
   26 : YOUNG 1.35E+05 4.05E+05
   27 : ENDL
   28 : MATERIAL Fe360_114 2.06E+08
   29 : MATERIAL C3240_112 3.3346E+07
   30 : BEAM WallElement_9503 LeftWall_36 -15.8 -1.6 C3240_112 1.206 1.0395 0.14618 25.987 00 00 0
   31 : STEP Stage1_2689
   32 : CHANGE Salt_167_12_L_0 U-FRICT=26 LeftWall_36
   33 : CHANGE Salt_167_12_L_0 D-FRICT=26 LeftWall_36
   34 : CHANGE Salt_167_12_L_0 U-KA=0.5 LeftWall_36
   35 : CHANGE Salt_167_12_L_0 U-KP=4.773 LeftWall_36
   36 : CHANGE Salt_167_12_L_0 D-KA=0.284 LeftWall_36
   37 : CHANGE Salt_167_12_L_0 D-KP=1.667 LeftWall_36
   38 : CHANGE Sch_168_2687_L_0 U-FRICT=31 LeftWall_36
   39 : CHANGE Sch_168_2687_L_0 D-FRICT=31 LeftWall_36
   40 : CHANGE Sch_168_2687_L_0 U-KA=0.353 LeftWall_36
   41 : CHANGE Sch_168_2687_L_0 U-KP=6.191 LeftWall_36
   42 : CHANGE Sch_168_2687_L_0 D-KA=0.234 LeftWall_36
   43 : CHANGE Sch_168_2687_L_0 D-KP=2.189 LeftWall_36
   44 : CHANGE Salt_167_12_L_0 U-COHE=10 LeftWall_36
   45 : CHANGE Salt_167_12_L_0 U-ADHES=0 LeftWall_36
   46 : CHANGE Salt_167_12_L_0 D-COHE=10 LeftWall_36
   47 : CHANGE Salt_167_12_L_0 D-ADHES=0 LeftWall_36
   48 : CHANGE Sch_168_2687_L_0 U-COHE=63 LeftWall_36
   49 : CHANGE Sch_168_2687_L_0 U-ADHES=0 LeftWall_36
   50 : CHANGE Sch_168_2687_L_0 D-COHE=63 LeftWall_36
   51 : CHANGE Sch_168_2687_L_0 D-ADHES=0 LeftWall_36
   52 : SETWALL LeftWall_36
   53 : GEOM 0 0
   54 : SURCHARGE 0 0 0 0
   55 : WATER -4.3085 0.36005 -15.8 0 0
   56 : ENDSTEP
   57 : STEP Stage2-Prescavo_15102
   58 : CHANGE Salt_167_12_L_0 U-KA=0.344 LeftWall_36
   59 : CHANGE Salt_167_12_L_0 U-KP=4.867 LeftWall_36
   60 : CHANGE Salt_167_12_L_0 D-KA=0.349 LeftWall_36
   61 : CHANGE Salt_167_12_L_0 D-KP=3.517 LeftWall_36
   62 : CHANGE Sch_168_2687_L_0 U-KA=0.395 LeftWall_36
   63 : CHANGE Sch_168_2687_L_0 U-KP=6.59 LeftWall_36
   64 : CHANGE Sch_168_2687_L_0 D-KA=0.274 LeftWall_36
   65 : CHANGE Sch_168_2687_L_0 D-KP=3.209 LeftWall_36
   66 : SETWALL LeftWall_36
   67 : GEOM -1.6 -1.6
   68 : SURCHARGE 0 0 0 0
   69 : WATER -4.3085 0.36005 -15.8 0 0
   70 : ENDSTEP
   71 : STEP Stage3-Paratia_9252
   72 : SETWALL LeftWall_36
   73 : GEOM -1.6 -1.6
   74 : SURCHARGE 0 0 0 0
   75 : WATER -4.3085 0.36005 -15.8 0 0
   76 : ADD WallElement_9503
   77 : ENDSTEP
   78 : STEP Stage4-ScavoH=2m_9504
   79 : CHANGE Salt_167_12_L_0 D-KA=0.344 LeftWall_36
```

```
 80 : CHANGE Salt_167_12_L_0 D-KP=3.404 LeftWall_36
 81 : CHANGE Sch_168_2687_L_0 D-KA=0.279 LeftWall_36
 82 : CHANGE Sch_168_2687_L_0 D-KP=4.125 LeftWall_36
 83 : SETWALL LeftWall_36
 84 : GEOM -1.6 -3.6
 85 : SURCHARGE 0 0 0 0
 86 : WATER -4.3085 0.36005 -15.8 0 0
 87 : ENDSTEP
 88 : STEP Stage5-ScavoH=4m_10726
 89 : CHANGE Sch_168_2687_L_0 D-KP=4.544 LeftWall_36
 90 : SETWALL LeftWall_36
 91 : GEOM -1.6 -5.6
 92 : SURCHARGE 0 0 0 0
 93 : WATER -5.3982 0.66503 -15.8 0 0
 94 : ENDSTEP
 95 : STEP Stage6-ScavoH=6.5m_10977
 96 : CHANGE Sch_168_2687_L_0 D-KP=4.555 LeftWall_36
 97 : SETWALL LeftWall_36
 98 : GEOM -1.6 -8.1
 99 : SURCHARGE 0 0 0 0
100 : WATER -7.5775 1.4225 -15.8 0 0
101 : ENDSTEP
102 : STEP Sismica_12188
103 : SETWALL LeftWall_36
104 : GEOM -1.6 -8.1
105 : SURCHARGE 0 0 0 0
106 : WATER -7.5775 1.4225 -15.8 0 0
107 : CHANGE Salt_167_12_L_0 U-KAED=0.42476 LeftWall_36
108 : CHANGE Salt_167_12_L_0 U-KAEW=0.50531 LeftWall_36
109 : CHANGE Salt_167_12_L_0 U-KPED=5.0542 LeftWall_36
110 : CHANGE Salt_167_12_L_0 U-KPEW=4.9464 LeftWall_36
111 : CHANGE Salt_167_12_L_0 D-KAED=0.39392 LeftWall_36
112 : CHANGE Salt_167_12_L_0 D-KAEW=0.47785 LeftWall_36
113 : CHANGE Salt_167_12_L_0 D-KPED=3.0216 LeftWall_36
114 : CHANGE Salt_167_12_L_0 D-KPEW=2.7412 LeftWall_36
115 : CHANGE Sch_168_2687_L_0 U-KAED=0.55658 LeftWall_36
116 : CHANGE Sch_168_2687_L_0 U-KAEW=0.80557 LeftWall_36
117 : CHANGE Sch_168_2687_L_0 U-KPED=6.7804 LeftWall_36
118 : CHANGE Sch_168_2687_L_0 U-KPEW=6.6381 LeftWall_36
119 : CHANGE Sch_168_2687_L_0 D-KAED=0.32429 LeftWall_36
120 : CHANGE Sch_168_2687_L_0 D-KAEW=0.3777 LeftWall_36
121 : CHANGE Sch_168_2687_L_0 D-KPED=4.0746 LeftWall_36
122 : CHANGE Sch_168_2687_L_0 D-KPEW=3.8247 LeftWall_36
123 : EQK USER 0.0924 0.0462 -0.0462 0 0.5 0 0.5 0 0
124 : DLOAD step LeftWall_36 -8.1 5.0139 -1.6 5.0139
125 : DLOAD step LeftWall_36 -8.1 2.4012 -1.6 2.4012
126 : ENDSTEP
```

N O D A L P O I N T D A T A

NODE	Y-COORD	Z-COORD	/ NODE	Y-COORD	Z-COORD	/ NODE	Y-COORD	Z-COORD	/ NODE	Y-COORD	Z-COORD	/
1	0.0000	-1.6000	/ 2	0.0000	-1.8000	/ 3	0.0000	-2.0000	/ 4	0.0000	-2.2000	/
5	0.0000	-2.4000	/ 6	0.0000	-2.6000	/ 7	0.0000	-2.8000	/ 8	0.0000	-3.0000	/
9	0.0000	-3.2000	/ 10	0.0000	-3.4000	/ 11	0.0000	-3.6000	/ 12	0.0000	-3.8000	/
13	0.0000	-4.0000	/ 14	0.0000	-4.2000	/ 15	0.0000	-4.4000	/ 16	0.0000	-4.6000	/
17	0.0000	-4.8000	/ 18	0.0000	-5.0000	/ 19	0.0000	-5.2000	/ 20	0.0000	-5.4000	/
21	0.0000	-5.6000	/ 22	0.0000	-5.8000	/ 23	0.0000	-6.0000	/ 24	0.0000	-6.2000	/
25	0.0000	-6.4000	/ 26	0.0000	-6.6000	/ 27	0.0000	-6.8000	/ 28	0.0000	-7.0000	/
29	0.0000	-7.2000	/ 30	0.0000	-7.4000	/ 31	0.0000	-7.6000	/ 32	0.0000	-7.8000	/
33	0.0000	-8.0000	/ 34	0.0000	-8.2000	/ 35	0.0000	-8.4000	/ 36	0.0000	-8.6000	/
37	0.0000	-8.8000	/ 38	0.0000	-9.0000	/ 39	0.0000	-9.2000	/ 40	0.0000	-9.4000	/
41	0.0000	-9.6000	/ 42	0.0000	-9.8000	/ 43	0.0000	-10.000	/ 44	0.0000	-10.200	/
45	0.0000	-10.400	/ 46	0.0000	-10.600	/ 47	0.0000	-10.800	/ 48	0.0000	-11.000	/
49	0.0000	-11.200	/ 50	0.0000	-11.400	/ 51	0.0000	-11.600	/ 52	0.0000	-11.800	/
53	0.0000	-12.000	/ 54	0.0000	-12.200	/ 55	0.0000	-12.400	/ 56	0.0000	-12.600	/
57	0.0000	-12.800	/ 58	0.0000	-13.000	/ 59	0.0000	-13.200	/ 60	0.0000	-13.400	/
61	0.0000	-13.600	/ 62	0.0000	-13.800	/ 63	0.0000	-14.000	/ 64	0.0000	-14.200	/
65	0.0000	-14.400	/ 66	0.0000	-14.600	/ 67	0.0000	-14.800	/ 68	0.0000	-15.000	/
69	0.0000	-15.200	/ 70	0.0000	-15.400	/ 71	0.0000	-15.600	/ 72	0.0000	-15.800	/

```
+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :27 January 2022   16:36:09                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                                                        :
   5  72   0   1   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active
    7   active

 material set no.    1

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  2.00000


 element data

   el    n  mat      area     .....     .....     .....      flag
-------------------------------------------------------------------

    1    1    1    0.1000       0.000       0.000       0.000       1.000
    2    2    1    0.2000       0.000       0.000       0.000       1.000
    3    3    1    0.2000       0.000       0.000       0.000       1.000
    4    4    1    0.2000       0.000       0.000       0.000       1.000
    5    5    1    0.2000       0.000       0.000       0.000       1.000
    6    6    1    0.2000       0.000       0.000       0.000       1.000
    7    7    1    0.2000       0.000       0.000       0.000       1.000
    8    8    1    0.2000       0.000       0.000       0.000       1.000
    9    9    2    0.2000       0.000       0.000       0.000       1.000
   10   10    2    0.2000       0.000       0.000       0.000       1.000
   11   11    2    0.2000       0.000       0.000       0.000       1.000
   12   12    2    0.2000       0.000       0.000       0.000       1.000
   13   13    2    0.2000       0.000       0.000       0.000       1.000
   14   14    2    0.2000       0.000       0.000       0.000       1.000
   15   15    2    0.2000       0.000       0.000       0.000       1.000
   16   16    2    0.2000       0.000       0.000       0.000       1.000
   17   17    2    0.2000       0.000       0.000       0.000       1.000
   18   18    2    0.2000       0.000       0.000       0.000       1.000
   19   19    2    0.2000       0.000       0.000       0.000       1.000
   20   20    2    0.2000       0.000       0.000       0.000       1.000
   21   21    2    0.2000       0.000       0.000       0.000       1.000
   22   22    2    0.2000       0.000       0.000       0.000       1.000
   23   23    2    0.2000       0.000       0.000       0.000       1.000
   24   24    2    0.2000       0.000       0.000       0.000       1.000
   25   25    2    0.2000       0.000       0.000       0.000       1.000
   26   26    2    0.2000       0.000       0.000       0.000       1.000
   27   27    2    0.2000       0.000       0.000       0.000       1.000
   28   28    2    0.2000       0.000       0.000       0.000       1.000
   29   29    2    0.2000       0.000       0.000       0.000       1.000
   30   30    2    0.2000       0.000       0.000       0.000       1.000
   31   31    2    0.2000       0.000       0.000       0.000       1.000
   32   32    2    0.2000       0.000       0.000       0.000       1.000
   33   33    2    0.2000       0.000       0.000       0.000       1.000
   34   34    2    0.2000       0.000       0.000       0.000       1.000
   35   35    2    0.2000       0.000       0.000       0.000       1.000
   36   36    2    0.2000       0.000       0.000       0.000       1.000
   37   37    2    0.2000       0.000       0.000       0.000       1.000
   38   38    2    0.2000       0.000       0.000       0.000       1.000
   39   39    2    0.2000       0.000       0.000       0.000       1.000
   40   40    2    0.2000       0.000       0.000       0.000       1.000
   41   41    2    0.2000       0.000       0.000       0.000       1.000
   42   42    2    0.2000       0.000       0.000       0.000       1.000
   43   43    2    0.2000       0.000       0.000       0.000       1.000
   44   44    2    0.2000       0.000       0.000       0.000       1.000
   45   45    2    0.2000       0.000       0.000       0.000       1.000
   46   46    2    0.2000       0.000       0.000       0.000       1.000
```

47	47	2	0.2000	0.000	0.000	0.000	1.000
48	48	2	0.2000	0.000	0.000	0.000	1.000
49	49	2	0.2000	0.000	0.000	0.000	1.000
50	50	2	0.2000	0.000	0.000	0.000	1.000
51	51	2	0.2000	0.000	0.000	0.000	1.000
52	52	2	0.2000	0.000	0.000	0.000	1.000
53	53	2	0.2000	0.000	0.000	0.000	1.000
54	54	2	0.2000	0.000	0.000	0.000	1.000
55	55	2	0.2000	0.000	0.000	0.000	1.000
56	56	2	0.2000	0.000	0.000	0.000	1.000
57	57	2	0.2000	0.000	0.000	0.000	1.000
58	58	2	0.2000	0.000	0.000	0.000	1.000
59	59	2	0.2000	0.000	0.000	0.000	1.000
60	60	2	0.2000	0.000	0.000	0.000	1.000
61	61	2	0.2000	0.000	0.000	0.000	1.000
62	62	2	0.2000	0.000	0.000	0.000	1.000
63	63	2	0.2000	0.000	0.000	0.000	1.000
64	64	2	0.2000	0.000	0.000	0.000	1.000
65	65	2	0.2000	0.000	0.000	0.000	1.000
66	66	2	0.2000	0.000	0.000	0.000	1.000
67	67	2	0.2000	0.000	0.000	0.000	1.000
68	68	2	0.2000	0.000	0.000	0.000	1.000
69	69	2	0.2000	0.000	0.000	0.000	1.000
70	70	2	0.2000	0.000	0.000	0.000	1.000
71	71	2	0.2000	0.000	0.000	0.000	1.000
72	72	2	0.1000	0.000	0.000	0.000	1.000

```
+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :27 January 2022   16:36:09                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                                                          :
   5  72   0   1   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL .........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active
    7   active

 material set no.    1

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  2.00000


 element data

   el    n  mat      area     .....     .....     .....      flag
-----------------------------------------------------------------

    1    1    1    0.1000       0.000       0.000       0.000       2.000
    2    2    1    0.2000       0.000       0.000       0.000       2.000
    3    3    1    0.2000       0.000       0.000       0.000       2.000
    4    4    1    0.2000       0.000       0.000       0.000       2.000
    5    5    1    0.2000       0.000       0.000       0.000       2.000
    6    6    1    0.2000       0.000       0.000       0.000       2.000
    7    7    1    0.2000       0.000       0.000       0.000       2.000
    8    8    1    0.2000       0.000       0.000       0.000       2.000
    9    9    2    0.2000       0.000       0.000       0.000       2.000
   10   10    2    0.2000       0.000       0.000       0.000       2.000
   11   11    2    0.2000       0.000       0.000       0.000       2.000
   12   12    2    0.2000       0.000       0.000       0.000       2.000
   13   13    2    0.2000       0.000       0.000       0.000       2.000
   14   14    2    0.2000       0.000       0.000       0.000       2.000
   15   15    2    0.2000       0.000       0.000       0.000       2.000
   16   16    2    0.2000       0.000       0.000       0.000       2.000
   17   17    2    0.2000       0.000       0.000       0.000       2.000
   18   18    2    0.2000       0.000       0.000       0.000       2.000
   19   19    2    0.2000       0.000       0.000       0.000       2.000
   20   20    2    0.2000       0.000       0.000       0.000       2.000
   21   21    2    0.2000       0.000       0.000       0.000       2.000
   22   22    2    0.2000       0.000       0.000       0.000       2.000
   23   23    2    0.2000       0.000       0.000       0.000       2.000
   24   24    2    0.2000       0.000       0.000       0.000       2.000
   25   25    2    0.2000       0.000       0.000       0.000       2.000
   26   26    2    0.2000       0.000       0.000       0.000       2.000
   27   27    2    0.2000       0.000       0.000       0.000       2.000
   28   28    2    0.2000       0.000       0.000       0.000       2.000
   29   29    2    0.2000       0.000       0.000       0.000       2.000
   30   30    2    0.2000       0.000       0.000       0.000       2.000
   31   31    2    0.2000       0.000       0.000       0.000       2.000
   32   32    2    0.2000       0.000       0.000       0.000       2.000
   33   33    2    0.2000       0.000       0.000       0.000       2.000
   34   34    2    0.2000       0.000       0.000       0.000       2.000
   35   35    2    0.2000       0.000       0.000       0.000       2.000
   36   36    2    0.2000       0.000       0.000       0.000       2.000
   37   37    2    0.2000       0.000       0.000       0.000       2.000
   38   38    2    0.2000       0.000       0.000       0.000       2.000
   39   39    2    0.2000       0.000       0.000       0.000       2.000
   40   40    2    0.2000       0.000       0.000       0.000       2.000
   41   41    2    0.2000       0.000       0.000       0.000       2.000
   42   42    2    0.2000       0.000       0.000       0.000       2.000
   43   43    2    0.2000       0.000       0.000       0.000       2.000
   44   44    2    0.2000       0.000       0.000       0.000       2.000
   45   45    2    0.2000       0.000       0.000       0.000       2.000
   46   46    2    0.2000       0.000       0.000       0.000       2.000
```

47	47	2	0.2000	0.000	0.000	0.000	2.000
48	48	2	0.2000	0.000	0.000	0.000	2.000
49	49	2	0.2000	0.000	0.000	0.000	2.000
50	50	2	0.2000	0.000	0.000	0.000	2.000
51	51	2	0.2000	0.000	0.000	0.000	2.000
52	52	2	0.2000	0.000	0.000	0.000	2.000
53	53	2	0.2000	0.000	0.000	0.000	2.000
54	54	2	0.2000	0.000	0.000	0.000	2.000
55	55	2	0.2000	0.000	0.000	0.000	2.000
56	56	2	0.2000	0.000	0.000	0.000	2.000
57	57	2	0.2000	0.000	0.000	0.000	2.000
58	58	2	0.2000	0.000	0.000	0.000	2.000
59	59	2	0.2000	0.000	0.000	0.000	2.000
60	60	2	0.2000	0.000	0.000	0.000	2.000
61	61	2	0.2000	0.000	0.000	0.000	2.000
62	62	2	0.2000	0.000	0.000	0.000	2.000
63	63	2	0.2000	0.000	0.000	0.000	2.000
64	64	2	0.2000	0.000	0.000	0.000	2.000
65	65	2	0.2000	0.000	0.000	0.000	2.000
66	66	2	0.2000	0.000	0.000	0.000	2.000
67	67	2	0.2000	0.000	0.000	0.000	2.000
68	68	2	0.2000	0.000	0.000	0.000	2.000
69	69	2	0.2000	0.000	0.000	0.000	2.000
70	70	2	0.2000	0.000	0.000	0.000	2.000
71	71	2	0.2000	0.000	0.000	0.000	2.000
72	72	2	0.1000	0.000	0.000	0.000	2.000

ELEMENT GROUP NO. 3

WallElement_9503 :
2 71 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0
.....
.....2D WALL ELEMENT.....
.....

element group behaviour throughout stage analysis

stage	status
1	inactive
2	inactive
3	active
4	active
5	active
6	active
7	active

material set no. 1

prop(1) young modulus 0.333500E+08
prop(2) modification time 0.00000
prop(3) new young modulus 0.00000
prop(4) poisson ratio 0.00000
prop(5) future 0.00000

no. of step variable items: 1

step	inertia multipier
1	1.000
2	1.000
3	1.000
4	1.000
5	1.000
6	1.000
7	1.000

element data

el	na	nb	mat	erc1	erc2	thick	area	inertia	wgt(-z)	by-i	by-j
1	1	2	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
2	2	3	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
3	3	4	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
4	4	5	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
5	5	6	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
6	6	7	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
7	7	8	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
8	8	9	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
9	9	10	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
10	10	11	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
11	11	12	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
12	12	13	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
13	13	14	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
14	14	15	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
15	15	16	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
16	16	17	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
17	17	18	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
18	18	19	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
19	19	20	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
20	20	21	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
21	21	22	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
22	22	23	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
23	23	24	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
24	24	25	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
25	25	26	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
26	26	27	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
27	27	28	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
28	28	29	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
29	29	30	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
30	30	31	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
31	31	32	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
32	32	33	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
33	33	34	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
34	34	35	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
35	35	36	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
36	36	37	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
37	37	38	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
38	38	39	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
39	39	40	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000

40	40	41	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
41	41	42	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
42	42	43	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
43	43	44	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
44	44	45	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
45	45	46	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
46	46	47	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
47	47	48	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
48	48	49	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
49	49	50	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
50	50	51	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
51	51	52	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
52	52	53	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
53	53	54	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
54	54	55	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
55	55	56	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
56	56	57	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
57	57	58	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
58	58	59	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
59	59	60	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
60	60	61	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
61	61	62	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
62	62	63	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
63	63	64	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
64	64	65	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
65	65	66	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
66	66	67	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
67	67	68	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
68	68	69	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
69	69	70	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
70	70	71	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000
71	71	72	1	0.000	0.000	1.206	1.040	0.1462	25.99	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*           |
|                                                                                                                   |
|                                                ParatiePlus                                                        |
|                                  Exe Time :27 January 2022   16:36:09                                             |
+-------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................   14
MAXIMUM POINTS/LCURVE (NPTM)...................    5
```

L O A D D A T A

LOAD FUNCTION NUMBER = 1
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
0.80000	0.0000E+00
1.00000	0.1000E+01
1.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 2
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
1.80000	0.0000E+00
2.00000	0.1000E+01
2.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 3
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
2.80000	0.0000E+00
3.00000	0.1000E+01
3.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 4
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
3.80000	0.0000E+00
4.00000	0.1000E+01
4.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 5
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
4.80000	0.0000E+00
5.00000	0.1000E+01
5.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 6
NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
5.80000	0.0000E+00
6.00000	0.1000E+01
6.20000	0.0000E+00
8.00000	0.0000E+00

LOAD FUNCTION NUMBER = 7

```
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   6.80000    0.0000E+00
   7.00000    0.1000E+01
   7.20000    0.0000E+00
   8.00000    0.0000E+00



LOAD FUNCTION NUMBER   =    8
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   0.80000    0.0000E+00
   1.00000    0.1000E+01
   8.00000    0.1000E+01



LOAD FUNCTION NUMBER   =    9
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   1.80000    0.0000E+00
   2.00000    0.1000E+01
   8.00000    0.1000E+01



LOAD FUNCTION NUMBER   =   10
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   2.80000    0.0000E+00
   3.00000    0.1000E+01
   8.00000    0.1000E+01



LOAD FUNCTION NUMBER   =   11
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   3.80000    0.0000E+00
   4.00000    0.1000E+01
   8.00000    0.1000E+01



LOAD FUNCTION NUMBER   =   12
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   4.80000    0.0000E+00
   5.00000    0.1000E+01
   8.00000    0.1000E+01



LOAD FUNCTION NUMBER   =   13
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   5.80000    0.0000E+00
   6.00000    0.1000E+01
   8.00000    0.1000E+01



LOAD FUNCTION NUMBER   =   14
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   6.80000    0.0000E+00
   7.00000    0.1000E+01
```

8.00000 0.1000E+01

PROCESSING DISTRIBUTED LOADS CARD NO. 1
AT Y-COORD 0.000 Z-COORD -8.100 PRESSURE 5.014
Z-COORD -1.600 PRESSURE 5.014
L.CURVE 7

NO. OF GENERATED NODAL FORCES 33

NODE	Z-LVL	FORCE /	NODE	Z-LVL	FORCE /	NODE	Z-LVL	FORCE /
33	-.8000E+01	0.7560248E+00 /	32	-.7800E+01	0.1010635E+01 /	31	-.7600E+01	0.1010635E+01 /
30	-.7400E+01	0.1010635E+01 /	29	-.7200E+01	0.1010632E+01 /	28	-.7000E+01	0.1010632E+01 /
27	-.6800E+01	0.1010635E+01 /	26	-.6600E+01	0.1010635E+01 /	25	-.6400E+01	0.1010635E+01 /
24	-.6200E+01	0.1010632E+01 /	23	-.6000E+01	0.1010632E+01 /	22	-.5800E+01	0.1010635E+01 /
21	-.5600E+01	0.1010635E+01 /	20	-.5400E+01	0.1010635E+01 /	19	-.5200E+01	0.1010632E+01 /
18	-.5000E+01	0.1010632E+01 /	17	-.4800E+01	0.1010635E+01 /	16	-.4600E+01	0.1010635E+01 /
15	-.4400E+01	0.1010635E+01 /	14	-.4200E+01	0.1010635E+01 /	13	-.4000E+01	0.1010635E+01 /
12	-.3800E+01	0.1010635E+01 /	11	-.3600E+01	0.1010635E+01 /	10	-.3400E+01	0.1010635E+01 /
9	-.3200E+01	0.1010635E+01 /	8	-.3000E+01	0.1010635E+01 /	7	-.2800E+01	0.1010635E+01 /
6	-.2600E+01	0.1010635E+01 /	5	-.2400E+01	0.1010635E+01 /	4	-.2200E+01	0.1010635E+01 /
3	-.2000E+01	0.1010635E+01 /	2	-.1800E+01	0.1010635E+01 /	1	-.1600E+01	0.5053173E+00 /

OVERALL APPLIED Y FORCE FOR CURRENT DISTRIBUTED LOAD 32.591

PROCESSING DISTRIBUTED LOADS CARD NO. 2
AT Y-COORD 0.000 Z-COORD -8.100 PRESSURE 2.401
Z-COORD -1.600 PRESSURE 2.401
L.CURVE 7

NO. OF GENERATED NODAL FORCES 33

NODE	Z-LVL	FORCE /	NODE	Z-LVL	FORCE /	NODE	Z-LVL	FORCE /
33	-.8000E+01	0.3620294E+00 /	32	-.7800E+01	0.4839517E+00 /	31	-.7600E+01	0.4839517E+00 /
30	-.7400E+01	0.4839517E+00 /	29	-.7200E+01	0.4839505E+00 /	28	-.7000E+01	0.4839505E+00 /
27	-.6800E+01	0.4839517E+00 /	26	-.6600E+01	0.4839517E+00 /	25	-.6400E+01	0.4839517E+00 /
24	-.6200E+01	0.4839505E+00 /	23	-.6000E+01	0.4839505E+00 /	22	-.5800E+01	0.4839517E+00 /
21	-.5600E+01	0.4839517E+00 /	20	-.5400E+01	0.4839517E+00 /	19	-.5200E+01	0.4839505E+00 /
18	-.5000E+01	0.4839505E+00 /	17	-.4800E+01	0.4839517E+00 /	16	-.4600E+01	0.4839517E+00 /
15	-.4400E+01	0.4839517E+00 /	14	-.4200E+01	0.4839517E+00 /	13	-.4000E+01	0.4839517E+00 /
12	-.3800E+01	0.4839517E+00 /	11	-.3600E+01	0.4839517E+00 /	10	-.3400E+01	0.4839517E+00 /
9	-.3200E+01	0.4839517E+00 /	8	-.3000E+01	0.4839517E+00 /	7	-.2800E+01	0.4839517E+00 /
6	-.2600E+01	0.4839517E+00 /	5	-.2400E+01	0.4839517E+00 /	4	-.2200E+01	0.4839517E+00 /
3	-.2000E+01	0.4839517E+00 /	2	-.1800E+01	0.4839517E+00 /	1	-.1600E+01	0.2419758E+00 /

OVERALL APPLIED Y FORCE FOR CURRENT DISTRIBUTED LOAD 15.606

NO. OF DISTRIBUTED LOAD CARDS 2

L O A D B A L A N C E

STEP 1 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 0.0000000
STEP 1 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

STEP 2 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 0.0000000
STEP 2 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

STEP 3 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 0.0000000
STEP 3 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

STEP 4 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 0.0000000
STEP 4 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

STEP 5 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 0.0000000
STEP 5 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

STEP 6 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 0.0000000
STEP 6 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

STEP 7 TOTAL APPLIED LOAD IN DIR. 2 Y-DISPL.F 48.197500
STEP 7 TOTAL APPLIED LOAD IN DIR. 4 X-ROT. F 0.0000000

LOAD INPUT SECTION COMPLETED

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+-------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*           |
|                                                                                                                   |
|                                              ParatiePlus                                                          |
|                                 Exe Time :27 January 2022   16:36:09                                              |
+-------------------------------------------------------------------------------------------------------------------+


NO. OF LAYERS ..............................    2
NO. OF DATA PER LAYER.......................  160
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+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :27 January 2022   16:36:09                                                 |
+-----------------------------------------------------------------------------------------------------------------------+

LAYER DESCRIPTORS FOR STEP NO.    1


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    1

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.50000     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.7730     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.28400     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  1.6670     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    1

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -3.2000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  23.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  13.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  63.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  31.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.35300     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  6.1910     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.13500E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.40500E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  63.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  31.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.23400     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  2.1890     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    2

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
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ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.34400     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.8670     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.34900     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  3.5170     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    2

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -3.2000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  23.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  13.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  63.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  31.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.39500     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  6.5900     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.13500E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.40500E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  63.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  31.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.27400     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  3.2090     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    3

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.34400     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.8670     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.34900     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  3.5170     WALL NO.        1
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ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    3

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -3.2000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  23.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  13.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  63.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  31.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.39500     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  6.5900     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.13500E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.40500E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  63.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  31.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.27400     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  3.2090     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    4

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.34400     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.8670     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.34400     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  3.4040     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    4

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -3.2000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  23.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  13.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  63.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  31.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.39500     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  6.5900     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
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ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.13500E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.40500E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  63.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  31.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.27900     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  4.1250     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    5

ITEM NO.   1&lt;NAME    &gt;=  18.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;=  0.0000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  20.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.34400     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  4.8670     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.20000E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.60000E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.34400     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  3.4040     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    5

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -3.2000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  23.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  13.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  63.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  31.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.39500     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  6.5900     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.13500E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.40500E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  63.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  31.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.27900     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  4.5440     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    6
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NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 1 FOR STEP NO. 6

ITEM NO. 1<NAME >= 18.000 (BOTH WALLS)
ITEM NO. 2<NATURE >= 1.0000 (BOTH WALLS)
ITEM NO. 3<LEVEL >= 0.0000 (BOTH WALLS)
ITEM NO. 4<WALL >= 1.0000 (BOTH WALLS)
ITEM NO. 5<GAMMAD >= 20.000 (BOTH WALLS)
ITEM NO. 6<GAMMAB >= 10.000 (BOTH WALLS)
ITEM NO. 7<GAMMAW >= 10.000 (BOTH WALLS)
ITEM NO. 8<U-COHE >= 10.000 (BOTH WALLS)
ITEM NO. 9<U-FRICT >= 26.000 (BOTH WALLS)
ITEM NO. 10<U-KA >= 0.34400 WALL NO. 1
ITEM NO. 11<U-KP >= 4.8670 WALL NO. 1
ITEM NO. 12<K0-NC >= 0.50000 (BOTH WALLS)
ITEM NO. 13<NEXP >= 0.50000 (BOTH WALLS)
ITEM NO. 14<OCR >= 1.0000 (BOTH WALLS)
ITEM NO. 16<MODEL >= 1.0000 (BOTH WALLS)
ITEM NO. 17<EVC >= 0.20000E+06 (BOTH WALLS)
ITEM NO. 18<EUR >= 0.60000E+06 (BOTH WALLS)
ITEM NO. 27<U-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 58<U-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 60<U-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 61<U-TZALPH>= 0.50000 (BOTH WALLS)
ITEM NO. 82<D-NATURE>= 1.0000 (BOTH WALLS)
ITEM NO. 83<D-LEVEL >= 0.0000 (BOTH WALLS)
ITEM NO. 88<D-COHE >= 10.000 (BOTH WALLS)
ITEM NO. 89<D-FRICT >= 26.000 (BOTH WALLS)
ITEM NO. 90<D-KA >= 0.34400 WALL NO. 1
ITEM NO. 91<D-KP >= 3.4040 WALL NO. 1
ITEM NO. 107<D-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138<D-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 140<D-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 141<D-TZALPH>= 0.50000 (BOTH WALLS)

NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 2 FOR STEP NO. 6

ITEM NO. 1<NAME >= 19.000 (BOTH WALLS)
ITEM NO. 2<NATURE >= 1.0000 (BOTH WALLS)
ITEM NO. 3<LEVEL >= -3.2000 (BOTH WALLS)
ITEM NO. 4<WALL >= 1.0000 (BOTH WALLS)
ITEM NO. 5<GAMMAD >= 23.000 (BOTH WALLS)
ITEM NO. 6<GAMMAB >= 13.000 (BOTH WALLS)
ITEM NO. 7<GAMMAW >= 10.000 (BOTH WALLS)
ITEM NO. 8<U-COHE >= 63.000 (BOTH WALLS)
ITEM NO. 9<U-FRICT >= 31.000 (BOTH WALLS)
ITEM NO. 10<U-KA >= 0.39500 WALL NO. 1
ITEM NO. 11<U-KP >= 6.5900 WALL NO. 1
ITEM NO. 12<K0-NC >= 0.50000 (BOTH WALLS)
ITEM NO. 13<NEXP >= 0.50000 (BOTH WALLS)
ITEM NO. 14<OCR >= 1.0000 (BOTH WALLS)
ITEM NO. 16<MODEL >= 1.0000 (BOTH WALLS)
ITEM NO. 17<EVC >= 0.13500E+06 (BOTH WALLS)
ITEM NO. 18<EUR >= 0.40500E+06 (BOTH WALLS)
ITEM NO. 27<U-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 58<U-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 60<U-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 61<U-TZALPH>= 0.50000 (BOTH WALLS)
ITEM NO. 82<D-NATURE>= 1.0000 (BOTH WALLS)
ITEM NO. 83<D-LEVEL >= 0.0000 (BOTH WALLS)
ITEM NO. 88<D-COHE >= 63.000 (BOTH WALLS)
ITEM NO. 89<D-FRICT >= 31.000 (BOTH WALLS)
ITEM NO. 90<D-KA >= 0.27900 WALL NO. 1
ITEM NO. 91<D-KP >= 4.5550 WALL NO. 1
ITEM NO. 107<D-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 138<D-TZKZ >= 10000. (BOTH WALLS)
ITEM NO. 140<D-TZDELT>= 25.000 (BOTH WALLS)
ITEM NO. 141<D-TZALPH>= 0.50000 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO. 7

NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 1 FOR STEP NO. 7

ITEM NO. 1<NAME >= 18.000 (BOTH WALLS)
ITEM NO. 2<NATURE >= 1.0000 (BOTH WALLS)
ITEM NO. 3<LEVEL >= 0.0000 (BOTH WALLS)
ITEM NO. 4<WALL >= 1.0000 (BOTH WALLS)
ITEM NO. 5<GAMMAD >= 20.000 (BOTH WALLS)
ITEM NO. 6<GAMMAB >= 10.000 (BOTH WALLS)
ITEM NO. 7<GAMMAW >= 10.000 (BOTH WALLS)
ITEM NO. 8<U-COHE >= 10.000 (BOTH WALLS)
ITEM NO. 9<U-FRICT >= 26.000 (BOTH WALLS)
ITEM NO. 10<U-KA >= 0.34400 WALL NO. 1
ITEM NO. 11<U-KP >= 4.8670 WALL NO. 1
ITEM NO. 12<K0-NC >= 0.50000 (BOTH WALLS)
ITEM NO. 13<NEXP >= 0.50000 (BOTH WALLS)
ITEM NO. 14<OCR >= 1.0000 (BOTH WALLS)
ITEM NO. 16<MODEL >= 1.0000 (BOTH WALLS)
ITEM NO. 17<EVC >= 0.20000E+06 (BOTH WALLS)
ITEM NO. 18<EUR >= 0.60000E+06 (BOTH WALLS)
ITEM NO. 27<U-PERM >= 0.10000E-04 (BOTH WALLS)
ITEM NO. 47<U-KAED >= 0.42476 WALL NO. 1

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ITEM NO.  48&lt;U-KAEW  &gt;= 0.50531     WALL NO.        1
ITEM NO.  49&lt;U-KPED  &gt;=  5.0542     WALL NO.        1
ITEM NO.  50&lt;U-KPEW  &gt;=  4.9464     WALL NO.        1
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  10.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  26.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.34400     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  3.4040     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 127&lt;D-KAED  &gt;= 0.39392     WALL NO.        1
ITEM NO. 128&lt;D-KAEW  &gt;= 0.47785     WALL NO.        1
ITEM NO. 129&lt;D-KPED  &gt;=  3.0216     WALL NO.        1
ITEM NO. 130&lt;D-KPEW  &gt;=  2.7412     WALL NO.        1
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    7

ITEM NO.   1&lt;NAME    &gt;=  19.000     (BOTH WALLS)
ITEM NO.   2&lt;NATURE  &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   3&lt;LEVEL   &gt;= -3.2000     (BOTH WALLS)
ITEM NO.   4&lt;WALL    &gt;=  1.0000     (BOTH WALLS)
ITEM NO.   5&lt;GAMMAD  &gt;=  23.000     (BOTH WALLS)
ITEM NO.   6&lt;GAMMAB  &gt;=  13.000     (BOTH WALLS)
ITEM NO.   7&lt;GAMMAW  &gt;=  10.000     (BOTH WALLS)
ITEM NO.   8&lt;U-COHE  &gt;=  63.000     (BOTH WALLS)
ITEM NO.   9&lt;U-FRICT &gt;=  31.000     (BOTH WALLS)
ITEM NO.  10&lt;U-KA    &gt;= 0.39500     WALL NO.        1
ITEM NO.  11&lt;U-KP    &gt;=  6.5900     WALL NO.        1
ITEM NO.  12&lt;K0-NC   &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  13&lt;NEXP    &gt;= 0.50000     (BOTH WALLS)
ITEM NO.  14&lt;OCR     &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  16&lt;MODEL   &gt;=  1.0000     (BOTH WALLS)
ITEM NO.  17&lt;EVC     &gt;= 0.13500E+06 (BOTH WALLS)
ITEM NO.  18&lt;EUR     &gt;= 0.40500E+06 (BOTH WALLS)
ITEM NO.  27&lt;U-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO.  47&lt;U-KAED  &gt;= 0.55658     WALL NO.        1
ITEM NO.  48&lt;U-KAEW  &gt;= 0.80557     WALL NO.        1
ITEM NO.  49&lt;U-KPED  &gt;=  6.7804     WALL NO.        1
ITEM NO.  50&lt;U-KPEW  &gt;=  6.6381     WALL NO.        1
ITEM NO.  58&lt;U-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO.  60&lt;U-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO.  61&lt;U-TZALPH&gt;= 0.50000     (BOTH WALLS)
ITEM NO.  82&lt;D-NATURE&gt;=  1.0000     (BOTH WALLS)
ITEM NO.  83&lt;D-LEVEL &gt;=  0.0000     (BOTH WALLS)
ITEM NO.  88&lt;D-COHE  &gt;=  63.000     (BOTH WALLS)
ITEM NO.  89&lt;D-FRICT &gt;=  31.000     (BOTH WALLS)
ITEM NO.  90&lt;D-KA    &gt;= 0.27900     WALL NO.        1
ITEM NO.  91&lt;D-KP    &gt;=  4.5550     WALL NO.        1
ITEM NO. 107&lt;D-PERM  &gt;= 0.10000E-04 (BOTH WALLS)
ITEM NO. 127&lt;D-KAED  &gt;= 0.32429     WALL NO.        1
ITEM NO. 128&lt;D-KAEW  &gt;= 0.37770     WALL NO.        1
ITEM NO. 129&lt;D-KPED  &gt;=  4.0746     WALL NO.        1
ITEM NO. 130&lt;D-KPEW  &gt;=  3.8247     WALL NO.        1
ITEM NO. 138&lt;D-TZKZ  &gt;=  10000.     (BOTH WALLS)
ITEM NO. 140&lt;D-TZDELT&gt;=  25.000     (BOTH WALLS)
ITEM NO. 141&lt;D-TZALPH&gt;= 0.50000     (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON    14 VALUES
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+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                 ParatiePlus                                                           |
|                                  Exe Time :27 January 2022   16:36:09                                                 |
+-----------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1 no. of subincrements     1
                                       LEFT WALL    RIGHT WALL
Y                                       0.000       -0.9990E+30
Z-PC                                    0.000         0.000
Z-EXCAVATION                            0.000         0.000
Z-WATER_TABLE                          -4.309       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL               0.000         0.000
ZQ                                      0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.3600         0.000
QS_ON_THE_EXCAVATION_SIDE               0.000         0.000
ZQS                                     0.000       -0.9990E+30
ZCUT                                    0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES       -15.80        -15.80
WATER_BEHAVIOUR_FLAG (LINING OPT)       0.000         0.000
PORE_UPDATE_FLAG                        0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)        0.000         0.000
lateral thrusts reduction elevatio      0.000         0.000
Downhill reduction factor for effe      0.000         0.000
Downhill reduction factor for pore      0.000         0.000
Uphill reduction factor for effect      0.000         0.000
Uphill reduction factor for pore p      0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]        0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]       0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]       0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]         0.000         0.000
UPHILL DELTA/PHI RATIO                  0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
DOWNHILL DELTA/PHI RATIO                0.000         0.000
DYN.WATER BEHAVIOUR                     0.000         0.000
Excess pore pressure RATIO Ru           0.000         0.000
SEISMIC PRESSURE LOWER VALUE            0.000         0.000
SEISMIC PRESSURE UPPER VALUE            0.000         0.000
SEISMIC PRESSURE LOWER LEVEL            0.000         0.000
SEISMIC PRESSURE UPPER LEVEL            0.000         0.000

=============================================================================================================end of step    1


STEP  NO.     2 no. of subincrements     1
                                       LEFT WALL    RIGHT WALL
Y                                       0.000       -0.9990E+30
Z-PC                                   -1.600         0.000
Z-EXCAVATION                           -1.600         0.000
Z-WATER_TABLE                          -4.309       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL               0.000         0.000
ZQ                                      0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.3600         0.000
QS_ON_THE_EXCAVATION_SIDE               0.000         0.000
ZQS                                     0.000       -0.9990E+30
ZCUT                                    0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES       -15.80        -15.80
WATER_BEHAVIOUR_FLAG (LINING OPT)       0.000         0.000
PORE_UPDATE_FLAG                        0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)        0.000         0.000
lateral thrusts reduction elevatio      0.000         0.000
Downhill reduction factor for effe      0.000         0.000
Downhill reduction factor for pore      0.000         0.000
Uphill reduction factor for effect      0.000         0.000
Uphill reduction factor for pore p      0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]        0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]       0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]       0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]         0.000         0.000
UPHILL DELTA/PHI RATIO                  0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
DOWNHILL DELTA/PHI RATIO                0.000         0.000
DYN.WATER BEHAVIOUR                     0.000         0.000
Excess pore pressure RATIO Ru           0.000         0.000
SEISMIC PRESSURE LOWER VALUE            0.000         0.000
SEISMIC PRESSURE UPPER VALUE            0.000         0.000
SEISMIC PRESSURE LOWER LEVEL            0.000         0.000
SEISMIC PRESSURE UPPER LEVEL            0.000         0.000

=============================================================================================================end of step    2


STEP  NO.     3 no. of subincrements     1
                                       LEFT WALL    RIGHT WALL
Y                                       0.000       -0.9990E+30
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Z-PC	-1.600	0.000
Z-EXCAVATION	-1.600	0.000
Z-WATER_TABLE	-4.309	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.3600	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-15.80	-15.80
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step   3

STEP NO.   4 no. of subincrements   1

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	-1.600	0.000
Z-EXCAVATION	-3.600	0.000
Z-WATER_TABLE	-4.309	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.3600	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-15.80	-15.80
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step   4

STEP NO.   5 no. of subincrements   1

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	-1.600	0.000
Z-EXCAVATION	-5.600	0.000
Z-WATER_TABLE	-5.398	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.6650	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-15.80	-15.80
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000

Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step   5

STEP NO.   6 no. of subincrements   1

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	-1.600	0.000
Z-EXCAVATION	-8.100	0.000
Z-WATER_TABLE	-7.577	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	1.423	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-15.80	-15.80
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step   6

STEP NO.   7 no. of subincrements   1

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	-1.600	0.000
Z-EXCAVATION	-8.100	0.000
Z-WATER_TABLE	-7.577	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	1.423	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-15.80	-15.80
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	-0.9240E-01	0.000
	MANUAL	
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.4620E-01	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	-0.4620E-01	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.5000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.5000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

```
==========================================================================================================end of step    7


 LEFT-HAND WALL

 LOWER  LEVEL         -15.80000
 UPPER  LEVEL          -1.60000

 RIGHT-HAND WALL

 LOWER  LEVEL         -15.80000
 UPPER  LEVEL          -1.60000



 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        6434

 NO. OF D.P.W  FOR THIS AREA      11010
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO          40

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1021E+06 RIMNOR= 0.000
           RENORM= 2.400     REMNOR= 0.000     RATIO =0.4848E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 46.03     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1021E+06 RDR   = 0.000
           RATIOT=0.4848E-02 RATIOR= 0.000
           MAX UN=0.3501     IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           MIN UN=-.3553E-14 IEQ=   143 NODE     72 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1021E+06 RIMNOR= 0.000
           RENORM=0.6816E-27 REMNOR= 0.000     RATIO =0.8171E-16 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 46.03     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1021E+06 RDR   = 0.000
           RATIOT=0.8171E-16 RATIOR= 0.000
           MAX UN=0.7105E-14 IEQ=   135 NODE     68 DOF   1  Y-DISPL.F
           MIN UN=-.7105E-14 IEQ=   109 NODE     55 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :27 January 2022   16:36:09                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    1     ( AT TIME   1.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
   15   9.8137274E-07    0.000000
   16   3.1264498E-06    0.000000
   17   3.8160729E-06    0.000000
   18   3.7466897E-06    0.000000
   19   3.6773069E-06    0.000000
   20   3.6079238E-06    0.000000
   21   3.5385406E-06    0.000000
   22   3.4691575E-06    0.000000
   23   3.3997743E-06    0.000000
   24   3.3303915E-06    0.000000
   25   3.2610084E-06    0.000000
   26   3.1916253E-06    0.000000
   27   3.1222421E-06    0.000000
   28   3.0528590E-06    0.000000
   29   2.9834762E-06    0.000000
   30   2.9140930E-06    0.000000
   31   2.8447099E-06    0.000000
   32   2.7753268E-06    0.000000
   33   2.7059436E-06    0.000000
   34   2.6365605E-06    0.000000
   35   2.5671773E-06    0.000000
   36   2.4977942E-06    0.000000
   37   2.4284114E-06    0.000000
   38   2.3590282E-06    0.000000
   39   2.2896451E-06    0.000000
   40   2.2202620E-06    0.000000
   41   2.1508788E-06    0.000000
   42   2.0814960E-06    0.000000
   43   2.0121129E-06    0.000000
   44   1.9427280E-06    0.000000
   45   1.8733483E-06    0.000000
   46   1.8039652E-06    0.000000
   47   1.7345820E-06    0.000000
   48   1.6651989E-06    0.000000
   49   1.5958158E-06    0.000000
   50   1.5264326E-06    0.000000
   51   1.4570495E-06    0.000000
   52   1.3876663E-06    0.000000
   53   1.3182832E-06    0.000000
   54   1.2489000E-06    0.000000
   55   1.1795169E-06    0.000000
   56   1.1101338E-06    0.000000
   57   1.0407506E-06    0.000000
   58   9.7136747E-07    0.000000
   59   9.0198433E-07    0.000000
   60   8.3260118E-07    0.000000
   61   7.6321804E-07    0.000000
   62   6.9383490E-07    0.000000
   63   6.2445175E-07    0.000000
   64   5.5506861E-07    0.000000
   65   4.8568547E-07    0.000000
   66   4.1630233E-07    0.000000
   67   3.4691918E-07    0.000000
   68   2.7753604E-07    0.000000
   69   2.0815290E-07    0.000000
   70   1.3876975E-07    0.000000
   71   6.9386612E-08    0.000000
```

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:36:09                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                        :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      1.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   1.600       0.000       32.00       16.00       32.00       16.00            V-C  1.6905E+05  -1.600       0.000
1.000       1.000       16.00       0.000       0.000       0.000       0.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D   3.600       0.000       36.00       18.00       36.00       18.00            V-C  1.6905E+05  -1.800       0.000
1.000       1.000       18.00       0.000       0.000       0.000       0.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   4.000       0.000       40.00       20.00       40.00       20.00            V-C  1.6905E+05  -2.000       0.000
1.000       1.000       20.00       0.000       0.000       0.000       0.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   4.400       0.000       44.00       22.00       44.00       22.00            V-C  1.6905E+05  -2.200       0.000
1.000       1.000       22.00       0.000       0.000       0.000       0.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   4.800       0.000       48.00       24.00       48.00       24.00            V-C  1.6905E+05  -2.400       0.000
1.000       1.000       24.00       0.000       0.000       0.000       0.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   5.200       0.000       52.00       26.00       52.00       26.00            V-C  1.6905E+05  -2.600       0.000
1.000       1.000       26.00       0.000       0.000       0.000       0.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   5.600       0.000       56.00       28.00       56.00       28.00            V-C  1.6905E+05  -2.800       0.000
1.000       1.000       28.00       0.000       0.000       0.000       0.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   6.000       0.000       60.00       30.00       60.00       30.00            V-C  1.6905E+05  -3.000       0.000
1.000       1.000       30.00       0.000       0.000       0.000       0.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   6.400       0.000       64.00       32.00       64.00       32.00            V-C  1.2603E+05  -3.200       0.000
1.000       1.000       32.00       0.000       0.000       0.000       0.000     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   6.860       0.000       68.60       34.30       68.60       34.30            V-C  1.2603E+05  -3.400       0.000
1.000       1.000       34.30       0.000       0.000       0.000       0.000     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   7.320       0.000       73.20       36.60       73.20       36.60            V-C  1.2603E+05  -3.600       0.000
1.000       1.000       36.60       0.000       0.000       0.000       0.000     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   7.780       0.000       77.80       38.90       77.80       38.90            V-C  1.2603E+05  -3.800       0.000
1.000       1.000       38.90       0.000       0.000       0.000       0.000     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   8.240       0.000       82.40       41.20       82.40       41.20            V-C  1.2603E+05  -4.000       0.000
1.000       1.000       41.20       0.000       0.000       0.000       0.000     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   8.700       0.000       87.00       43.50       87.00       43.50            V-C  1.2603E+05  -4.200       0.000
1.000       1.000       43.50       0.000       0.000       0.000       0.000     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   9.176     -9.8137E-07   90.70       44.98       90.70       45.35          UL-RL  3.7808E+05  -4.400       0.9004
1.000       1.000       45.88       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   9.670     -3.1264E-06   93.33       45.48       93.33       46.67          UL-RL  3.7808E+05  -4.600       2.869
1.000       1.000       48.35       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   10.28     -3.8161E-06   95.96       46.54       95.96       47.98          UL-RL  3.7808E+05  -4.800       4.837
1.000       1.000       51.38       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   10.94     -3.7467E-06   98.60       47.88       98.60       49.30          UL-RL  3.7808E+05  -5.000       6.805
1.000       1.000       54.69       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   11.60     -3.6773E-06   101.2       49.22       101.2       50.61          UL-RL  3.7808E+05  -5.200       8.773
1.000       1.000       58.00       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   12.26     -3.6079E-06   103.9       50.57       103.9       51.93          UL-RL  3.7808E+05  -5.400       10.74
1.000       1.000       61.31       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   12.92     -3.5385E-06   106.5       51.91       106.5       53.25          UL-RL  3.7808E+05  -5.600       12.71
1.000       1.000       64.62       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   13.59     -3.4692E-06   109.1       53.25       109.1       54.56          UL-RL  3.7808E+05  -5.800       14.68
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1.000       1.000       67.93       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   14.25     -3.3998E-06   111.8       54.59       111.8       55.88          UL-RL  3.7808E+05  -6.000       16.65
1.000       1.000       71.24       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   14.91     -3.3304E-06   114.4       55.93       114.4       57.19          UL-RL  3.7808E+05  -6.200       18.61
1.000       1.000       74.55       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   15.57     -3.2610E-06   117.0       57.28       117.0       58.51          UL-RL  3.7808E+05  -6.400       20.58
1.000       1.000       77.86       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   16.23     -3.1916E-06   119.6       58.62       119.6       59.82          UL-RL  3.7808E+05  -6.600       22.55
1.000       1.000       81.17       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   16.90     -3.1222E-06   122.3       59.96       122.3       61.14          UL-RL  3.7808E+05  -6.800       24.52
1.000       1.000       84.48       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   17.56     -3.0529E-06   124.9       61.30       124.9       62.46          UL-RL  3.7808E+05  -7.000       26.49
1.000       1.000       87.79       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   18.22     -2.9835E-06   127.5       62.64       127.5       63.77          UL-RL  3.7808E+05  -7.200       28.45
1.000       1.000       91.10       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   18.88     -2.9141E-06   130.2       63.99       130.2       65.09          UL-RL  3.7808E+05  -7.400       30.42
1.000       1.000       94.41       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   19.54     -2.8447E-06   132.8       65.33       132.8       66.40          UL-RL  3.7808E+05  -7.600       32.39
1.000       1.000       97.72       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   20.21     -2.7753E-06   135.4       66.67       135.4       67.72          UL-RL  3.7808E+05  -7.800       34.36
1.000       1.000       101.0       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   20.87     -2.7059E-06   138.1       68.01       138.1       69.04          UL-RL  3.7808E+05  -8.000       36.33
1.000       1.000       104.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   21.53     -2.6366E-06   140.7       69.36       140.7       70.35          UL-RL  3.7808E+05  -8.200       38.30
1.000       1.000       107.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   22.19     -2.5672E-06   143.3       70.70       143.3       71.67          UL-RL  3.7808E+05  -8.400       40.26
1.000       1.000       111.0       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   22.85     -2.4978E-06   146.0       72.04       146.0       72.98          UL-RL  3.7808E+05  -8.600       42.23
1.000       1.000       114.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   23.52     -2.4284E-06   148.6       73.38       148.6       74.30          UL-RL  3.7808E+05  -8.800       44.20
1.000       1.000       117.6       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   24.18     -2.3590E-06   151.2       74.72       151.2       75.62          UL-RL  3.7808E+05  -9.000       46.17
1.000       1.000       120.9       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   24.84     -2.2896E-06   153.9       76.07       153.9       76.93          UL-RL  3.7808E+05  -9.200       48.14
1.000       1.000       124.2       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   25.50     -2.2203E-06   156.5       77.41       156.5       78.25          UL-RL  3.7808E+05  -9.400       50.10
1.000       1.000       127.5       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   26.16     -2.1509E-06   159.1       78.75       159.1       79.56          UL-RL  3.7808E+05  -9.600       52.07
1.000       1.000       130.8       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   26.83     -2.0815E-06   161.8       80.09       161.8       80.88          UL-RL  3.7808E+05  -9.800       54.04
1.000       1.000       134.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   27.49     -2.0121E-06   164.4       81.43       164.4       82.20          UL-RL  3.7808E+05  -10.00       56.01
1.000       1.000       137.4       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   28.15     -1.9427E-06   167.0       82.78       167.0       83.51          UL-RL  3.7808E+05  -10.20       57.98
1.000       1.000       140.8       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   28.81     -1.8733E-06   169.7       84.12       169.7       84.83          UL-RL  3.7808E+05  -10.40       59.95
1.000       1.000       144.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   29.47     -1.8040E-06   172.3       85.46       172.3       86.14          UL-RL  3.7808E+05  -10.60       61.91
1.000       1.000       147.4       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   30.14     -1.7346E-06   174.9       86.80       174.9       87.46          UL-RL  3.7808E+05  -10.80       63.88
1.000       1.000       150.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   30.80     -1.6652E-06   177.5       88.15       177.5       88.77          UL-RL  3.7808E+05  -11.00       65.85
1.000       1.000       154.0       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   31.46     -1.5958E-06   180.2       89.49       180.2       90.09          UL-RL  3.7808E+05  -11.20       67.82
1.000       1.000       157.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   32.12     -1.5264E-06   182.8       90.83       182.8       91.41          UL-RL  3.7808E+05  -11.40       69.79
1.000       1.000       160.6       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   32.79     -1.4570E-06   185.4       92.17       185.4       92.72          UL-RL  3.7808E+05  -11.60       71.75
1.000       1.000       163.9       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   33.45     -1.3877E-06   188.1       93.51       188.1       94.04          UL-RL  3.7808E+05  -11.80       73.72
1.000       1.000       167.2       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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53 D	34.11	-1.3183E-06	190.7	94.86	190.7	95.35	UL-RL	3.7808E+05	-12.00	75.69
1.000	1.000	170.5	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
54 D	34.77	-1.2489E-06	193.3	96.20	193.3	96.67	UL-RL	3.7808E+05	-12.20	77.66
1.000	1.000	173.9	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
55 D	35.43	-1.1795E-06	196.0	97.54	196.0	97.99	UL-RL	3.7808E+05	-12.40	79.63
1.000	1.000	177.2	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
56 D	36.10	-1.1101E-06	198.6	98.88	198.6	99.30	UL-RL	3.7808E+05	-12.60	81.60
1.000	1.000	180.5	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
57 D	36.76	-1.0408E-06	201.2	100.2	201.2	100.6	UL-RL	3.7808E+05	-12.80	83.56
1.000	1.000	183.8	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
58 D	37.42	-9.7137E-07	203.9	101.6	203.9	101.9	UL-RL	3.7808E+05	-13.00	85.53
1.000	1.000	187.1	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
59 D	38.08	-9.0198E-07	206.5	102.9	206.5	103.2	UL-RL	3.7808E+05	-13.20	87.50
1.000	1.000	190.4	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
60 D	38.74	-8.3260E-07	209.1	104.3	209.1	104.6	UL-RL	3.7808E+05	-13.40	89.47
1.000	1.000	193.7	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
61 D	39.41	-7.6322E-07	211.8	105.6	211.8	105.9	UL-RL	3.7808E+05	-13.60	91.44
1.000	1.000	197.0	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
62 D	40.07	-6.9383E-07	214.4	106.9	214.4	107.2	UL-RL	3.7808E+05	-13.80	93.40
1.000	1.000	200.3	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
63 D	40.73	-6.2445E-07	217.0	108.3	217.0	108.5	UL-RL	3.7808E+05	-14.00	95.37
1.000	1.000	203.7	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
64 D	41.39	-5.5507E-07	219.7	109.6	219.7	109.8	UL-RL	3.7808E+05	-14.20	97.34
1.000	1.000	207.0	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
65 D	42.05	-4.8569E-07	222.3	111.0	222.3	111.1	UL-RL	3.7808E+05	-14.40	99.31
1.000	1.000	210.3	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
66 D	42.72	-4.1630E-07	224.9	112.3	224.9	112.5	UL-RL	3.7808E+05	-14.60	101.3
1.000	1.000	213.6	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
67 D	43.38	-3.4692E-07	227.6	113.6	227.6	113.8	UL-RL	3.7808E+05	-14.80	103.2
1.000	1.000	216.9	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
68 D	44.04	-2.7754E-07	230.2	115.0	230.2	115.1	UL-RL	3.7808E+05	-15.00	105.2
1.000	1.000	220.2	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
69 D	44.70	-2.0815E-07	232.8	116.3	232.8	116.4	UL-RL	3.7808E+05	-15.20	107.2
1.000	1.000	223.5	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
70 D	45.36	-1.3877E-07	235.5	117.7	235.5	117.7	UL-RL	3.7808E+05	-15.40	109.1
1.000	1.000	226.8	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
71 D	46.03	-6.9387E-08	238.1	119.0	238.1	119.0	UL-RL	3.7808E+05	-15.60	111.1
1.000	1.000	230.1	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
72 D	23.34	1.7187E-19	240.7	120.4	240.7	120.4	V-C	1.2603E+05	-15.80	113.1
1.000	1.000	233.4	0.000	0.000	0.000	0.000	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:36:09                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      1.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
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-----------------------------------------------
   1 D   1.600       0.000       32.00       16.00       32.00       16.00            V-C  1.3201E+05  -1.600       0.000
1.000       1.000       16.00       0.000       0.000       0.000       0.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D   3.600       0.000       36.00       18.00       36.00       18.00            V-C  1.3201E+05  -1.800       0.000
1.000       1.000       18.00       0.000       0.000       0.000       0.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   4.000       0.000       40.00       20.00       40.00       20.00            V-C  1.3201E+05  -2.000       0.000
1.000       1.000       20.00       0.000       0.000       0.000       0.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   4.400       0.000       44.00       22.00       44.00       22.00            V-C  1.3201E+05  -2.200       0.000
1.000       1.000       22.00       0.000       0.000       0.000       0.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   4.800       0.000       48.00       24.00       48.00       24.00            V-C  1.3201E+05  -2.400       0.000
1.000       1.000       24.00       0.000       0.000       0.000       0.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   5.200       0.000       52.00       26.00       52.00       26.00            V-C  1.3201E+05  -2.600       0.000
1.000       1.000       26.00       0.000       0.000       0.000       0.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   5.600       0.000       56.00       28.00       56.00       28.00            V-C  1.3201E+05  -2.800       0.000
1.000       1.000       28.00       0.000       0.000       0.000       0.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   6.000       0.000       60.00       30.00       60.00       30.00            V-C  1.3201E+05  -3.000       0.000
1.000       1.000       30.00       0.000       0.000       0.000       0.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   6.400       0.000       64.00       32.00       64.00       32.00            V-C  8.0682E+04  -3.200       0.000
1.000       1.000       32.00       0.000       0.000       0.000       0.000     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   6.860       0.000       68.60       34.30       68.60       34.30            V-C  8.0682E+04  -3.400       0.000
1.000       1.000       34.30       0.000       0.000       0.000       0.000     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   7.320       0.000       73.20       36.60       73.20       36.60            V-C  8.0682E+04  -3.600       0.000
1.000       1.000       36.60       0.000       0.000       0.000       0.000     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   7.780       0.000       77.80       38.90       77.80       38.90            V-C  8.0682E+04  -3.800       0.000
1.000       1.000       38.90       0.000       0.000       0.000       0.000     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   8.240       0.000       82.40       41.20       82.40       41.20            V-C  8.0682E+04  -4.000       0.000
1.000       1.000       41.20       0.000       0.000       0.000       0.000     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   8.700       0.000       87.00       43.50       87.00       43.50            V-C  8.0682E+04  -4.200       0.000
1.000       1.000       43.50       0.000       0.000       0.000       0.000     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   9.176       9.8137E-07  91.60       45.88       91.60       45.88            V-C  8.0682E+04  -4.400       0.000
1.000       1.000       45.88       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   9.670       3.1264E-06  96.20       48.35       96.20       48.35            V-C  8.0682E+04  -4.600       0.000
1.000       1.000       48.35       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   10.28       3.8161E-06  99.46       50.04       99.46       50.04            V-C  8.0682E+04  -4.800       1.335
1.000       1.000       51.38       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   10.94       3.7467E-06  102.0       51.32       102.0       51.32            V-C  8.0682E+04  -5.000       3.367
1.000       1.000       54.69       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   11.60       3.6773E-06  104.6       52.60       104.6       52.60            V-C  8.0682E+04  -5.200       5.399
1.000       1.000       58.00       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   12.26       3.6079E-06  107.2       53.88       107.2       53.88            V-C  8.0682E+04  -5.400       7.431
1.000       1.000       61.31       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   12.92       3.5385E-06  109.7       55.15       109.7       55.15            V-C  8.0682E+04  -5.600       9.463
1.000       1.000       64.62       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   13.59       3.4692E-06  112.3       56.43       112.3       56.43            V-C  8.0682E+04  -5.800       11.49
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1.000       1.000       67.93       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   14.25      3.3998E-06   114.9       57.71       114.9       57.71           V-C  8.0682E+04  -6.000       13.53
1.000       1.000       71.24       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   14.91      3.3304E-06   117.4       58.99       117.4       58.99           V-C  8.0682E+04  -6.200       15.56
1.000       1.000       74.55       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   15.57      3.2610E-06   120.0       60.27       120.0       60.27           V-C  8.0682E+04  -6.400       17.59
1.000       1.000       77.86       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   16.23      3.1916E-06   122.6       61.55       122.6       61.55           V-C  8.0682E+04  -6.600       19.62
1.000       1.000       81.17       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   16.90      3.1222E-06   125.1       62.83       125.1       62.83           V-C  8.0682E+04  -6.800       21.65
1.000       1.000       84.48       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   17.56      3.0529E-06   127.7       64.10       127.7       64.10           V-C  8.0682E+04  -7.000       23.69
1.000       1.000       87.79       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   18.22      2.9835E-06   130.3       65.38       130.3       65.38           V-C  8.0682E+04  -7.200       25.72
1.000       1.000       91.10       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   18.88      2.9141E-06   132.9       66.66       132.9       66.66           V-C  8.0682E+04  -7.400       27.75
1.000       1.000       94.41       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   19.54      2.8447E-06   135.4       67.94       135.4       67.94           V-C  8.0682E+04  -7.600       29.78
1.000       1.000       97.72       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   20.21      2.7753E-06   138.0       69.22       138.0       69.22           V-C  8.0682E+04  -7.800       31.81
1.000       1.000       101.0       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   20.87      2.7059E-06   140.6       70.50       140.6       70.50           V-C  8.0682E+04  -8.000       33.84
1.000       1.000       104.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   21.53      2.6366E-06   143.1       71.77       143.1       71.77           V-C  8.0682E+04  -8.200       35.88
1.000       1.000       107.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   22.19      2.5672E-06   145.7       73.05       145.7       73.05           V-C  8.0682E+04  -8.400       37.91
1.000       1.000       111.0       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   22.85      2.4978E-06   148.3       74.33       148.3       74.33           V-C  8.0682E+04  -8.600       39.94
1.000       1.000       114.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   23.52      2.4284E-06   150.8       75.61       150.8       75.61           V-C  8.0682E+04  -8.800       41.97
1.000       1.000       117.6       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   24.18      2.3590E-06   153.4       76.89       153.4       76.89           V-C  8.0682E+04  -9.000       44.00
1.000       1.000       120.9       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   24.84      2.2896E-06   156.0       78.17       156.0       78.17           V-C  8.0682E+04  -9.200       46.04
1.000       1.000       124.2       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   25.50      2.2203E-06   158.5       79.45       158.5       79.45           V-C  8.0682E+04  -9.400       48.07
1.000       1.000       127.5       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   26.16      2.1509E-06   161.1       80.72       161.1       80.72           V-C  8.0682E+04  -9.600       50.10
1.000       1.000       130.8       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   26.83      2.0815E-06   163.7       82.00       163.7       82.00           V-C  8.0682E+04  -9.800       52.13
1.000       1.000       134.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   27.49      2.0121E-06   166.2       83.28       166.2       83.28           V-C  8.0682E+04  -10.00       54.16
1.000       1.000       137.4       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   28.15      1.9427E-06   168.8       84.56       168.8       84.56           V-C  8.0682E+04  -10.20       56.19
1.000       1.000       140.8       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   28.81      1.8733E-06   171.4       85.84       171.4       85.84           V-C  8.0682E+04  -10.40       58.23
1.000       1.000       144.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   29.47      1.8040E-06   173.9       87.12       173.9       87.12           V-C  8.0682E+04  -10.60       60.26
1.000       1.000       147.4       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   30.14      1.7346E-06   176.5       88.39       176.5       88.39           V-C  8.0682E+04  -10.80       62.29
1.000       1.000       150.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   30.80      1.6652E-06   179.1       89.67       179.1       89.67           V-C  8.0682E+04  -11.00       64.32
1.000       1.000       154.0       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   31.46      1.5958E-06   181.6       90.95       181.6       90.95           V-C  8.0682E+04  -11.20       66.35
1.000       1.000       157.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   32.12      1.5264E-06   184.2       92.23       184.2       92.23           V-C  8.0682E+04  -11.40       68.39
1.000       1.000       160.6       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   32.79      1.4570E-06   186.8       93.51       186.8       93.51           V-C  8.0682E+04  -11.60       70.42
1.000       1.000       163.9       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   33.45      1.3877E-06   189.4       94.79       189.4       94.79           V-C  8.0682E+04  -11.80       72.45
1.000       1.000       167.2       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   34.11      1.3183E-06   191.9       96.07       191.9       96.07            V-C  8.0682E+04  -12.00       74.48
1.000       1.000       170.5       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   34.77      1.2489E-06   194.5       97.34       194.5       97.34            V-C  8.0682E+04  -12.20       76.51
1.000       1.000       173.9       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   35.43      1.1795E-06   197.1       98.62       197.1       98.62            V-C  8.0682E+04  -12.40       78.54
1.000       1.000       177.2       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   36.10      1.1101E-06   199.6       99.90       199.6       99.90            V-C  8.0682E+04  -12.60       80.58
1.000       1.000       180.5       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   36.76      1.0408E-06   202.2       101.2       202.2       101.2            V-C  8.0682E+04  -12.80       82.61
1.000       1.000       183.8       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   37.42      9.7137E-07   204.8       102.5       204.8       102.5            V-C  8.0682E+04  -13.00       84.64
1.000       1.000       187.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   38.08      9.0198E-07   207.3       103.7       207.3       103.7            V-C  8.0682E+04  -13.20       86.67
1.000       1.000       190.4       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   38.74      8.3260E-07   209.9       105.0       209.9       105.0            V-C  8.0682E+04  -13.40       88.70
1.000       1.000       193.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   39.41      7.6322E-07   212.5       106.3       212.5       106.3            V-C  8.0682E+04  -13.60       90.74
1.000       1.000       197.0       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   40.07      6.9383E-07   215.0       107.6       215.0       107.6            V-C  8.0682E+04  -13.80       92.77
1.000       1.000       200.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   40.73      6.2445E-07   217.6       108.9       217.6       108.9            V-C  8.0682E+04  -14.00       94.80
1.000       1.000       203.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   41.39      5.5507E-07   220.2       110.1       220.2       110.1            V-C  8.0682E+04  -14.20       96.83
1.000       1.000       207.0       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   42.05      4.8569E-07   222.7       111.4       222.7       111.4            V-C  8.0682E+04  -14.40       98.86
1.000       1.000       210.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   42.72      4.1630E-07   225.3       112.7       225.3       112.7            V-C  8.0682E+04  -14.60       100.9
1.000       1.000       213.6       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   43.38      3.4692E-07   227.9       114.0       227.9       114.0            V-C  8.0682E+04  -14.80       102.9
1.000       1.000       216.9       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   44.04      2.7754E-07   230.4       115.2       230.4       115.2            V-C  8.0682E+04  -15.00       105.0
1.000       1.000       220.2       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   44.70      2.0815E-07   233.0       116.5       233.0       116.5            V-C  8.0682E+04  -15.20       107.0
1.000       1.000       223.5       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   45.36      1.3877E-07   235.6       117.8       235.6       117.8            V-C  8.0682E+04  -15.40       109.0
1.000       1.000       226.8       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   46.03      6.9387E-08   238.1       119.1       238.1       119.1            V-C  8.0682E+04  -15.60       111.1
1.000       1.000       230.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   23.34     -1.7187E-19   240.7       120.4       240.7       120.4            V-C  8.0682E+04  -15.80       113.1
1.000       1.000       233.4       0.000       0.000       0.000       0.000     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*              |
|                                                                                                                         |
|                                                ParatiePlus                                                              |
|                                  Exe Time :27 January 2022   16:36:09                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_9503                                              :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   71
C U R R E N T   T I M E   I S      1.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9099E+05 RIMNOR= 0.000
           RENORM=0.3798E-03 REMNOR= 0.000     RATIO =0.6461E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 44.37     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9099E+05 RDR   = 0.000
           RATIOT=0.6461E-04 RATIOR= 0.000
           MAX UN= 0.000     IEQ=   144 NODE     72 DOF   2   X-ROT. F
           MIN UN=-.6915E-02 IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9099E+05 RIMNOR= 0.000
           RENORM=0.8054E-27 REMNOR= 0.000     RATIO =0.9409E-16 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 44.37     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9099E+05 RDR   = 0.000
           RATIOT=0.9409E-16 RATIOR= 0.000
           MAX UN=0.7105E-14 IEQ=   125 NODE     63 DOF   1  Y-DISPL.F
           MIN UN=-.1421E-13 IEQ=   133 NODE     67 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9099E+05 RIMNOR= 0.000
           RENORM=0.6279E-27 REMNOR= 0.000     RATIO =0.8307E-16 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 44.37     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9099E+05 RDR   = 0.000
           RATIOT=0.8307E-16 RATIOR= 0.000
           MAX UN=0.1421E-13 IEQ=   133 NODE     67 DOF   1  Y-DISPL.F
           MIN UN=-.7105E-14 IEQ=    97 NODE     49 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :27 January 2022   16:36:09                                                 |
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New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    2     ( AT TIME   2.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
   15   9.6433572E-07    0.000000
   16   3.0771833E-06    0.000000
   17   3.7603198E-06    0.000000
   18   3.6953696E-06    0.000000
   19   3.6299856E-06    0.000000
   20   3.5642206E-06    0.000000
   21   3.4981203E-06    0.000000
   22   3.4317238E-06    0.000000
   23   3.3650646E-06    0.000000
   24   3.2981720E-06    0.000000
   25   3.2310702E-06    0.000000
   26   3.1637817E-06    0.000000
   27   3.0963253E-06    0.000000
   28   3.0287180E-06    0.000000
   29   2.9609746E-06    0.000000
   30   2.8931076E-06    0.000000
   31   2.8251288E-06    0.000000
   32   2.7570484E-06    0.000000
   33   2.6888756E-06    0.000000
   34   2.6206183E-06    0.000000
   35   2.5522839E-06    0.000000
   36   2.4838788E-06    0.000000
   37   2.4154093E-06    0.000000
   38   2.3468800E-06    0.000000
   39   2.2782958E-06    0.000000
   40   2.2096612E-06    0.000000
   41   2.1409801E-06    0.000000
   42   2.0722562E-06    0.000000
   43   2.0034921E-06    0.000000
   44   1.9346894E-06    0.000000
   45   1.8658576E-06    0.000000
   46   1.7969905E-06    0.000000
   47   1.7280939E-06    0.000000
   48   1.6591697E-06    0.000000
   49   1.5902198E-06    0.000000
   50   1.5212460E-06    0.000000
   51   1.4522498E-06    0.000000
   52   1.3832327E-06    0.000000
   53   1.3141960E-06    0.000000
   54   1.2451410E-06    0.000000
   55   1.1760688E-06    0.000000
   56   1.1069806E-06    0.000000
   57   1.0378772E-06    0.000000
   58   9.6875952E-07    0.000000
   59   8.9962852E-07    0.000000
   60   8.3048494E-07    0.000000
   61   7.6132950E-07    0.000000
   62   6.9216290E-07    0.000000
   63   6.2298575E-07    0.000000
   64   5.5379867E-07    0.000000
   65   4.8460220E-07    0.000000
   66   4.1539686E-07    0.000000
   67   3.4618312E-07    0.000000
   68   2.7696145E-07    0.000000
   69   2.0773227E-07    0.000000
   70   1.3849596E-07    0.000000
   71   6.9252910E-08    0.000000
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:36:09                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                          :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      2.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000       0.000       0.000       0.000       32.00       16.00          UL-RL  5.0715E+05  -1.600       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D   1.200       0.000       4.000       6.000       36.00       18.00          UL-RL  5.0715E+05  -1.800       0.000
1.000       1.000       6.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.789       0.000       8.000       8.944       40.00       20.00          UL-RL  5.0715E+05  -2.000       0.000
1.000       1.000       8.944       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   2.298       0.000       12.00       11.49       44.00       22.00          UL-RL  5.0715E+05  -2.200       0.000
1.000       1.000       11.49       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   2.771       0.000       16.00       13.86       48.00       24.00          UL-RL  5.0715E+05  -2.400       0.000
1.000       1.000       13.86       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   3.225       0.000       20.00       16.12       52.00       26.00          UL-RL  5.0715E+05  -2.600       0.000
1.000       1.000       16.12       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   3.666       0.000       24.00       18.33       56.00       28.00          UL-RL  5.0715E+05  -2.800       0.000
1.000       1.000       18.33       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   4.099       0.000       28.00       20.49       60.00       30.00          UL-RL  5.0715E+05  -3.000       0.000
1.000       1.000       20.49       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   4.525       0.000       32.00       22.63       64.00       32.00          UL-RL  3.7808E+05  -3.200       0.000
1.000       1.000       22.63       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   5.011       0.000       36.60       25.05       68.60       34.30          UL-RL  3.7808E+05  -3.400       0.000
1.000       1.000       25.05       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   5.492       0.000       41.20       27.46       73.20       36.60          UL-RL  3.7808E+05  -3.600       0.000
1.000       1.000       27.46       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   5.969       0.000       45.80       29.85       77.80       38.90          UL-RL  3.7808E+05  -3.800       0.000
1.000       1.000       29.85       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   6.444       0.000       50.40       32.22       82.40       41.20          UL-RL  3.7808E+05  -4.000       0.000
1.000       1.000       32.22       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   6.917       0.000       55.00       34.59       87.00       43.50          UL-RL  3.7808E+05  -4.200       0.000
1.000       1.000       34.59       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   7.404     -9.6434E-07   58.70       36.12       90.70       45.35          UL-RL  3.7808E+05  -4.400       0.9004
1.000       1.000       37.02       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   7.907     -3.0772E-06   61.33       36.67       93.33       46.67          UL-RL  3.7808E+05  -4.600       2.869
1.000       1.000       39.53       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   8.518     -3.7603E-06   63.96       37.75       95.96       47.98          UL-RL  3.7808E+05  -4.800       4.837
1.000       1.000       42.59       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   9.185     -3.6954E-06   66.60       39.12       98.60       49.30          UL-RL  3.7808E+05  -5.000       6.805
1.000       1.000       45.92       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   9.851     -3.6300E-06   69.23       40.48       101.2       50.61          UL-RL  3.7808E+05  -5.200       8.773
1.000       1.000       49.26       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   10.52     -3.5642E-06   71.86       41.85       103.9       51.93          UL-RL  3.7808E+05  -5.400       10.74
1.000       1.000       52.59       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   11.18     -3.4981E-06   74.49       43.21       106.5       53.25          UL-RL  3.7808E+05  -5.600       12.71
1.000       1.000       55.92       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   11.85     -3.4317E-06   77.12       44.57       109.1       54.56          UL-RL  3.7808E+05  -5.800       14.68
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1.000       1.000       59.25       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   12.52     -3.3651E-06   79.75       45.93       111.8       55.88          UL-RL  3.7808E+05  -6.000       16.65
1.000       1.000       62.58       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   13.18     -3.2982E-06   82.39       47.29       114.4       57.19          UL-RL  3.7808E+05  -6.200       18.61
1.000       1.000       65.91       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   13.85     -3.2311E-06   85.02       48.65       117.0       58.51          UL-RL  3.7808E+05  -6.400       20.58
1.000       1.000       69.23       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   14.51     -3.1638E-06   87.65       50.01       119.6       59.82          UL-RL  3.7808E+05  -6.600       22.55
1.000       1.000       72.56       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   15.18     -3.0963E-06   90.28       51.36       122.3       61.14          UL-RL  3.7808E+05  -6.800       24.52
1.000       1.000       75.88       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   15.84     -3.0287E-06   92.91       52.72       124.9       62.46          UL-RL  3.7808E+05  -7.000       26.49
1.000       1.000       79.21       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   16.51     -2.9610E-06   95.55       54.08       127.5       63.77          UL-RL  3.7808E+05  -7.200       28.45
1.000       1.000       82.53       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   17.17     -2.8931E-06   98.18       55.43       130.2       65.09          UL-RL  3.7808E+05  -7.400       30.42
1.000       1.000       85.85       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   17.84     -2.8251E-06   100.8       56.79       132.8       66.40          UL-RL  3.7808E+05  -7.600       32.39
1.000       1.000       89.18       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   18.50     -2.7570E-06   103.4       58.14       135.4       67.72          UL-RL  3.7808E+05  -7.800       34.36
1.000       1.000       92.50       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   19.16     -2.6889E-06   106.1       59.49       138.1       69.04          UL-RL  3.7808E+05  -8.000       36.33
1.000       1.000       95.82       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   19.83     -2.6206E-06   108.7       60.85       140.7       70.35          UL-RL  3.7808E+05  -8.200       38.30
1.000       1.000       99.14       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   20.49     -2.5523E-06   111.3       62.20       143.3       71.67          UL-RL  3.7808E+05  -8.400       40.26
1.000       1.000       102.5       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   21.16     -2.4839E-06   114.0       63.55       146.0       72.98          UL-RL  3.7808E+05  -8.600       42.23
1.000       1.000       105.8       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   21.82     -2.4154E-06   116.6       64.90       148.6       74.30          UL-RL  3.7808E+05  -8.800       44.20
1.000       1.000       109.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   22.48     -2.3469E-06   119.2       66.25       151.2       75.62          UL-RL  3.7808E+05  -9.000       46.17
1.000       1.000       112.4       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   23.15     -2.2783E-06   121.9       67.60       153.9       76.93          UL-RL  3.7808E+05  -9.200       48.14
1.000       1.000       115.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   23.81     -2.2097E-06   124.5       68.96       156.5       78.25          UL-RL  3.7808E+05  -9.400       50.10
1.000       1.000       119.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   24.48     -2.1410E-06   127.1       70.31       159.1       79.56          UL-RL  3.7808E+05  -9.600       52.07
1.000       1.000       122.4       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   25.14     -2.0723E-06   129.8       71.66       161.8       80.88          UL-RL  3.7808E+05  -9.800       54.04
1.000       1.000       125.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   25.80     -2.0035E-06   132.4       73.01       164.4       82.20          UL-RL  3.7808E+05  -10.00       56.01
1.000       1.000       129.0       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   26.47     -1.9347E-06   135.0       74.35       167.0       83.51          UL-RL  3.7808E+05  -10.20       57.98
1.000       1.000       132.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   27.13     -1.8659E-06   137.7       75.70       169.7       84.83          UL-RL  3.7808E+05  -10.40       59.95
1.000       1.000       135.6       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   27.79     -1.7970E-06   140.3       77.05       172.3       86.14          UL-RL  3.7808E+05  -10.60       61.91
1.000       1.000       139.0       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   28.46     -1.7281E-06   142.9       78.40       174.9       87.46          UL-RL  3.7808E+05  -10.80       63.88
1.000       1.000       142.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   29.12     -1.6592E-06   145.5       79.75       177.5       88.77          UL-RL  3.7808E+05  -11.00       65.85
1.000       1.000       145.6       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   29.78     -1.5902E-06   148.2       81.10       180.2       90.09          UL-RL  3.7808E+05  -11.20       67.82
1.000       1.000       148.9       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   30.45     -1.5212E-06   150.8       82.45       182.8       91.41          UL-RL  3.7808E+05  -11.40       69.79
1.000       1.000       152.2       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   31.11     -1.4522E-06   153.4       83.80       185.4       92.72          UL-RL  3.7808E+05  -11.60       71.75
1.000       1.000       155.5       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   31.77     -1.3832E-06   156.1       85.14       188.1       94.04          UL-RL  3.7808E+05  -11.80       73.72
1.000       1.000       158.9       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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53 D	32.44	-1.3142E-06	158.7	86.49	190.7	95.35	UL-RL	3.7808E+05	-12.00	75.69	
1.000	1.000	162.2	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
54 D	33.10	-1.2451E-06	161.3	87.84	193.3	96.67	UL-RL	3.7808E+05	-12.20	77.66	
1.000	1.000	165.5	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
55 D	33.76	-1.1761E-06	164.0	89.19	196.0	97.99	UL-RL	3.7808E+05	-12.40	79.63	
1.000	1.000	168.8	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
56 D	34.43	-1.1070E-06	166.6	90.53	198.6	99.30	UL-RL	3.7808E+05	-12.60	81.60	
1.000	1.000	172.1	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
57 D	35.09	-1.0379E-06	169.2	91.88	201.2	100.6	UL-RL	3.7808E+05	-12.80	83.56	
1.000	1.000	175.4	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
58 D	35.75	-9.6876E-07	171.9	93.23	203.9	101.9	UL-RL	3.7808E+05	-13.00	85.53	
1.000	1.000	178.8	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
59 D	36.41	-8.9963E-07	174.5	94.57	206.5	103.2	UL-RL	3.7808E+05	-13.20	87.50	
1.000	1.000	182.1	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
60 D	37.08	-8.3048E-07	177.1	95.92	209.1	104.6	UL-RL	3.7808E+05	-13.40	89.47	
1.000	1.000	185.4	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
61 D	37.74	-7.6133E-07	179.8	97.27	211.8	105.9	UL-RL	3.7808E+05	-13.60	91.44	
1.000	1.000	188.7	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
62 D	38.40	-6.9216E-07	182.4	98.61	214.4	107.2	UL-RL	3.7808E+05	-13.80	93.40	
1.000	1.000	192.0	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
63 D	39.07	-6.2299E-07	185.0	99.96	217.0	108.5	UL-RL	3.7808E+05	-14.00	95.37	
1.000	1.000	195.3	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
64 D	39.73	-5.5380E-07	187.7	101.3	219.7	109.8	UL-RL	3.7808E+05	-14.20	97.34	
1.000	1.000	198.6	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
65 D	40.39	-4.8460E-07	190.3	102.7	222.3	111.1	UL-RL	3.7808E+05	-14.40	99.31	
1.000	1.000	202.0	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
66 D	41.05	-4.1540E-07	192.9	104.0	224.9	112.5	UL-RL	3.7808E+05	-14.60	101.3	
1.000	1.000	205.3	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
67 D	41.72	-3.4618E-07	195.6	105.3	227.6	113.8	UL-RL	3.7808E+05	-14.80	103.2	
1.000	1.000	208.6	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
68 D	42.38	-2.7696E-07	198.2	106.7	230.2	115.1	UL-RL	3.7808E+05	-15.00	105.2	
1.000	1.000	211.9	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
69 D	43.04	-2.0773E-07	200.8	108.0	232.8	116.4	UL-RL	3.7808E+05	-15.20	107.2	
1.000	1.000	215.2	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
70 D	43.71	-1.3850E-07	203.5	109.4	235.5	117.7	UL-RL	3.7808E+05	-15.40	109.1	
1.000	1.000	218.5	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
71 D	44.37	-6.9253E-08	206.1	110.7	238.1	119.0	UL-RL	3.7808E+05	-15.60	111.1	
1.000	1.000	221.8	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
72 D	22.52	2.8645E-19	208.7	112.1	240.7	120.4	UL-RL	3.7808E+05	-15.80	113.1	
1.000	1.000	225.2	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:36:09                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      2.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000       0.000       0.000       0.000       32.00       16.00          UL-RL  3.9604E+05  -1.600       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D   1.200       0.000       4.000       6.000       36.00       18.00          UL-RL  3.9604E+05  -1.800       0.000
1.000       1.000       6.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.789       0.000       8.000       8.944       40.00       20.00          UL-RL  3.9604E+05  -2.000       0.000
1.000       1.000       8.944       0.000       0.000       10.00       10.00     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   2.298       0.000       12.00       11.49       44.00       22.00          UL-RL  3.9604E+05  -2.200       0.000
1.000       1.000       11.49       0.000       0.000       10.00       10.00     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   2.771       0.000       16.00       13.86       48.00       24.00          UL-RL  3.9604E+05  -2.400       0.000
1.000       1.000       13.86       0.000       0.000       10.00       10.00     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   3.225       0.000       20.00       16.12       52.00       26.00          UL-RL  3.9604E+05  -2.600       0.000
1.000       1.000       16.12       0.000       0.000       10.00       10.00     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   3.666       0.000       24.00       18.33       56.00       28.00          UL-RL  3.9604E+05  -2.800       0.000
1.000       1.000       18.33       0.000       0.000       10.00       10.00     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   4.099       0.000       28.00       20.49       60.00       30.00          UL-RL  3.9604E+05  -3.000       0.000
1.000       1.000       20.49       0.000       0.000       10.00       10.00     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   4.525       0.000       32.00       22.63       64.00       32.00          UL-RL  2.4205E+05  -3.200       0.000
1.000       1.000       22.63       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   5.011       0.000       36.60       25.05       68.60       34.30          UL-RL  2.4205E+05  -3.400       0.000
1.000       1.000       25.05       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   5.492       0.000       41.20       27.46       73.20       36.60          UL-RL  2.4205E+05  -3.600       0.000
1.000       1.000       27.46       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   5.969       0.000       45.80       29.85       77.80       38.90          UL-RL  2.4205E+05  -3.800       0.000
1.000       1.000       29.85       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   6.444       0.000       50.40       32.22       82.40       41.20          UL-RL  2.4205E+05  -4.000       0.000
1.000       1.000       32.22       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   6.917       0.000       55.00       34.59       87.00       43.50          UL-RL  2.4205E+05  -4.200       0.000
1.000       1.000       34.59       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   7.404      9.6434E-07   59.60       37.02       91.60       45.88          UL-RL  2.4205E+05  -4.400       0.000
1.000       1.000       37.02       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   7.907      3.0772E-06   64.20       39.53       96.20       48.35          UL-RL  2.4205E+05  -4.600       0.000
1.000       1.000       39.53       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   8.518      3.7603E-06   67.46       41.25       99.46       50.04          UL-RL  2.4205E+05  -4.800       1.335
1.000       1.000       42.59       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   9.185      3.6954E-06   70.03       42.56       102.0       51.32          UL-RL  2.4205E+05  -5.000       3.367
1.000       1.000       45.92       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   9.851      3.6300E-06   72.60       43.86       104.6       52.60          UL-RL  2.4205E+05  -5.200       5.399
1.000       1.000       49.26       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   10.52      3.5642E-06   75.17       45.16       107.2       53.88          UL-RL  2.4205E+05  -5.400       7.431
1.000       1.000       52.59       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   11.18      3.4981E-06   77.74       46.46       109.7       55.15          UL-RL  2.4205E+05  -5.600       9.463
1.000       1.000       55.92       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   11.85      3.4317E-06   80.31       47.75       112.3       56.43          UL-RL  2.4205E+05  -5.800       11.49
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1.000       1.000       59.25       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   12.52      3.3651E-06  82.87       49.05       114.9       57.71          UL-RL  2.4205E+05  -6.000       13.53
1.000       1.000       62.58       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   13.18      3.2982E-06  85.44       50.35       117.4       58.99          UL-RL  2.4205E+05  -6.200       15.56
1.000       1.000       65.91       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   13.85      3.2311E-06  88.01       51.64       120.0       60.27          UL-RL  2.4205E+05  -6.400       17.59
1.000       1.000       69.23       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   14.51      3.1638E-06  90.58       52.94       122.6       61.55          UL-RL  2.4205E+05  -6.600       19.62
1.000       1.000       72.56       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   15.18      3.0963E-06  93.15       54.23       125.1       62.83          UL-RL  2.4205E+05  -6.800       21.65
1.000       1.000       75.88       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   15.84      3.0287E-06  95.71       55.52       127.7       64.10          UL-RL  2.4205E+05  -7.000       23.69
1.000       1.000       79.21       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   16.51      2.9610E-06  98.28       56.81       130.3       65.38          UL-RL  2.4205E+05  -7.200       25.72
1.000       1.000       82.53       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   17.17      2.8931E-06  100.9       58.11       132.9       66.66          UL-RL  2.4205E+05  -7.400       27.75
1.000       1.000       85.85       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   17.84      2.8251E-06  103.4       59.40       135.4       67.94          UL-RL  2.4205E+05  -7.600       29.78
1.000       1.000       89.18       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   18.50      2.7570E-06  106.0       60.69       138.0       69.22          UL-RL  2.4205E+05  -7.800       31.81
1.000       1.000       92.50       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   19.16      2.6889E-06  108.6       61.98       140.6       70.50          UL-RL  2.4205E+05  -8.000       33.84
1.000       1.000       95.82       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   19.83      2.6206E-06  111.1       63.27       143.1       71.77          UL-RL  2.4205E+05  -8.200       35.88
1.000       1.000       99.14       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   20.49      2.5523E-06  113.7       64.55       145.7       73.05          UL-RL  2.4205E+05  -8.400       37.91
1.000       1.000       102.5       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   21.16      2.4839E-06  116.3       65.84       148.3       74.33          UL-RL  2.4205E+05  -8.600       39.94
1.000       1.000       105.8       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   21.82      2.4154E-06  118.8       67.13       150.8       75.61          UL-RL  2.4205E+05  -8.800       41.97
1.000       1.000       109.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   22.48      2.3469E-06  121.4       68.42       153.4       76.89          UL-RL  2.4205E+05  -9.000       44.00
1.000       1.000       112.4       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   23.15      2.2783E-06  124.0       69.71       156.0       78.17          UL-RL  2.4205E+05  -9.200       46.04
1.000       1.000       115.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   23.81      2.2097E-06  126.5       70.99       158.5       79.45          UL-RL  2.4205E+05  -9.400       48.07
1.000       1.000       119.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   24.48      2.1410E-06  129.1       72.28       161.1       80.72          UL-RL  2.4205E+05  -9.600       50.10
1.000       1.000       122.4       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   25.14      2.0723E-06  131.7       73.57       163.7       82.00          UL-RL  2.4205E+05  -9.800       52.13
1.000       1.000       125.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   25.80      2.0035E-06  134.2       74.85       166.2       83.28          UL-RL  2.4205E+05  -10.00       54.16
1.000       1.000       129.0       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   26.47      1.9347E-06  136.8       76.14       168.8       84.56          UL-RL  2.4205E+05  -10.20       56.19
1.000       1.000       132.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   27.13      1.8659E-06  139.4       77.42       171.4       85.84          UL-RL  2.4205E+05  -10.40       58.23
1.000       1.000       135.6       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   27.79      1.7970E-06  141.9       78.71       173.9       87.12          UL-RL  2.4205E+05  -10.60       60.26
1.000       1.000       139.0       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   28.46      1.7281E-06  144.5       79.99       176.5       88.39          UL-RL  2.4205E+05  -10.80       62.29
1.000       1.000       142.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   29.12      1.6592E-06  147.1       81.28       179.1       89.67          UL-RL  2.4205E+05  -11.00       64.32
1.000       1.000       145.6       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   29.78      1.5902E-06  149.6       82.56       181.6       90.95          UL-RL  2.4205E+05  -11.20       66.35
1.000       1.000       148.9       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   30.45      1.5212E-06  152.2       83.85       184.2       92.23          UL-RL  2.4205E+05  -11.40       68.39
1.000       1.000       152.2       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   31.11      1.4522E-06  154.8       85.13       186.8       93.51          UL-RL  2.4205E+05  -11.60       70.42
1.000       1.000       155.5       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   31.77      1.3832E-06  157.4       86.42       189.4       94.79          UL-RL  2.4205E+05  -11.80       72.45
1.000       1.000       158.9       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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53 D	32.44	1.3142E-06	159.9	87.70	191.9	96.07	UL-RL	2.4205E+05	-12.00	74.48
1.000	1.000	162.2	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
54 D	33.10	1.2451E-06	162.5	88.98	194.5	97.34	UL-RL	2.4205E+05	-12.20	76.51
1.000	1.000	165.5	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
55 D	33.76	1.1761E-06	165.1	90.27	197.1	98.62	UL-RL	2.4205E+05	-12.40	78.54
1.000	1.000	168.8	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
56 D	34.43	1.1070E-06	167.6	91.55	199.6	99.90	UL-RL	2.4205E+05	-12.60	80.58
1.000	1.000	172.1	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
57 D	35.09	1.0379E-06	170.2	92.83	202.2	101.2	UL-RL	2.4205E+05	-12.80	82.61
1.000	1.000	175.4	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
58 D	35.75	9.6876E-07	172.8	94.12	204.8	102.5	UL-RL	2.4205E+05	-13.00	84.64
1.000	1.000	178.8	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
59 D	36.41	8.9963E-07	175.3	95.40	207.3	103.7	UL-RL	2.4205E+05	-13.20	86.67
1.000	1.000	182.1	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
60 D	37.08	8.3048E-07	177.9	96.68	209.9	105.0	UL-RL	2.4205E+05	-13.40	88.70
1.000	1.000	185.4	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
61 D	37.74	7.6133E-07	180.5	97.97	212.5	106.3	UL-RL	2.4205E+05	-13.60	90.74
1.000	1.000	188.7	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
62 D	38.40	6.9216E-07	183.0	99.25	215.0	107.6	UL-RL	2.4205E+05	-13.80	92.77
1.000	1.000	192.0	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
63 D	39.07	6.2299E-07	185.6	100.5	217.6	108.9	UL-RL	2.4205E+05	-14.00	94.80
1.000	1.000	195.3	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
64 D	39.73	5.5380E-07	188.2	101.8	220.2	110.1	UL-RL	2.4205E+05	-14.20	96.83
1.000	1.000	198.6	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
65 D	40.39	4.8460E-07	190.7	103.1	222.7	111.4	UL-RL	2.4205E+05	-14.40	98.86
1.000	1.000	202.0	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
66 D	41.05	4.1540E-07	193.3	104.4	225.3	112.7	UL-RL	2.4205E+05	-14.60	100.9
1.000	1.000	205.3	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
67 D	41.72	3.4618E-07	195.9	105.7	227.9	114.0	UL-RL	2.4205E+05	-14.80	102.9
1.000	1.000	208.6	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
68 D	42.38	2.7696E-07	198.4	106.9	230.4	115.2	UL-RL	2.4205E+05	-15.00	105.0
1.000	1.000	211.9	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
69 D	43.04	2.0773E-07	201.0	108.2	233.0	116.5	UL-RL	2.4205E+05	-15.20	107.0
1.000	1.000	215.2	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
70 D	43.71	1.3850E-07	203.6	109.5	235.6	117.8	UL-RL	2.4205E+05	-15.40	109.0
1.000	1.000	218.5	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
71 D	44.37	6.9253E-08	206.1	110.8	238.1	119.1	UL-RL	2.4205E+05	-15.60	111.1
1.000	1.000	221.8	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
72 D	22.52	-2.8645E-19	208.7	112.1	240.7	120.4	UL-RL	2.4205E+05	-15.80	113.1
1.000	1.000	225.2	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						

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+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :27 January 2022   16:36:09                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_9503                                              :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   71
C U R R E N T   T I M E   I S      2.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9099E+05 RIMNOR= 0.000
           RENORM=0.6279E-27 REMNOR= 0.000     RATIO =0.8307E-16 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 44.37     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9099E+05 RDR   = 0.000
           RATIOT=0.8307E-16 RATIOR= 0.000
           MAX UN=0.1421E-13 IEQ=   133 NODE     67 DOF   1  Y-DISPL.F
           MIN UN=-.7105E-14 IEQ=    97 NODE     49 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9099E+05 RIMNOR= 0.000
           RENORM=0.1076E-21 REMNOR=0.4329E-24 RATIO =0.3439E-13 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 44.37     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9099E+05 RDR   = 0.000
           RATIOT=0.3439E-13 RATIOR= 0.000
           MAX UN=0.3190E-11 IEQ=    83 NODE     42 DOF   1  Y-DISPL.F
           MIN UN=-.4680E-11 IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.9099E+05 RIMNOR= 0.000
           RENORM=0.1014E-21 REMNOR=0.5508E-24 RATIO =0.3339E-13 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 44.37     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9099E+05 RDR   = 0.000
           RATIOT=0.3339E-13 RATIOR= 0.000
           MAX UN=0.3101E-11 IEQ=    81 NODE     41 DOF   1  Y-DISPL.F
           MIN UN=-.3167E-11 IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :27 January 2022   16:36:09                                                 |
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New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    3     ( AT TIME   3.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
   15   9.6433572E-07  -3.6920854E-22
   16   3.0771833E-06  -3.4296732E-22
   17   3.7603198E-06  -3.1145096E-22
   18   3.6953696E-06  -2.7402230E-22
   19   3.6299856E-06  -2.3019675E-22
   20   3.5642206E-06  -1.7943348E-22
   21   3.4981203E-06  -1.2843362E-22
   22   3.4317238E-06  -8.3861565E-23
   23   3.3650646E-06  -4.5067440E-23
   24   3.2981720E-06  -1.1384259E-23
   25   3.2310702E-06   1.7864805E-23
   26   3.1637817E-06   3.6070605E-23
   27   3.0963253E-06   4.4124341E-23
   28   3.0287180E-06   5.0413641E-23
   29   2.9609746E-06   5.6029262E-23
   30   2.8931076E-06   6.2051807E-23
   31   2.8251288E-06   6.9550377E-23
   32   2.7570484E-06   7.9581420E-23
   33   2.6888756E-06   9.3187143E-23
   34   2.6206183E-06   9.6817591E-23
   35   2.5522839E-06   7.6904180E-23
   36   2.4838788E-06   3.4435262E-23
   37   2.4154093E-06  -2.9615328E-23
   38   2.3468800E-06  -1.1428104E-22
   39   2.2782958E-06  -1.8943601E-22
   40   2.2096612E-06  -2.2493170E-22
   41   2.1409801E-06  -2.3430988E-22
   42   2.0722562E-06  -2.3106749E-22
   43   2.0034921E-06  -2.1429378E-22
   44   1.9346894E-06  -1.5409283E-22
   45   1.8658576E-06  -2.0540573E-23
   46   1.7969905E-06   1.8708200E-22
   47   1.7280939E-06   4.6936903E-22
   48   1.6591697E-06   8.2677113E-22
   49   1.5902198E-06   1.2595330E-21
   50   1.5212460E-06   1.7385771E-21
   51   1.4522498E-06   2.2200994E-21
   52   1.3832327E-06   2.6746258E-21
   53   1.3141960E-06   3.1014909E-21
   54   1.2451410E-06   3.5143844E-21
   55   1.1760688E-06   3.9412648E-21
   56   1.1069806E-06   4.3805461E-21
   57   1.0378772E-06   4.8011190E-21
   58   9.6875952E-07   5.2006740E-21
   59   8.9962852E-07   5.5764635E-21
   60   8.3048494E-07   5.9252748E-21
   61   7.6132950E-07   6.2434619E-21
   62   6.9216290E-07   6.5268737E-21
   63   6.2298575E-07   6.7708441E-21
   64   5.5379867E-07   6.9410362E-21
   65   4.8460220E-07   7.0025995E-21
   66   4.1539686E-07   6.9784397E-21
   67   3.4618312E-07   6.8908756E-21
   68   2.7696145E-07   6.7907940E-21
   69   2.0773227E-07   6.7285149E-21
   70   1.3849596E-07   6.6954663E-21
   71   6.9252910E-08   6.6824867E-21
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:36:09                                               |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      3.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -7.3190E-23   0.000       0.000       32.00       16.00          ACTIVE   0.000      -1.600       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D   1.200      1.8314E-23   4.000       6.000       36.00       18.00          UL-RL  5.0715E+05  -1.800       0.000
1.000       1.000       6.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.789      1.0982E-22   8.000       8.944       40.00       20.00          UL-RL  5.0715E+05  -2.000       0.000
1.000       1.000       8.944       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   2.298      2.0132E-22   12.00       11.49       44.00       22.00          UL-RL  5.0715E+05  -2.200       0.000
1.000       1.000       11.49       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   2.771      2.9278E-22   16.00       13.86       48.00       24.00          UL-RL  5.0715E+05  -2.400       0.000
1.000       1.000       13.86       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   3.225      3.8412E-22   20.00       16.12       52.00       26.00          UL-RL  5.0715E+05  -2.600       0.000
1.000       1.000       16.12       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   3.666      4.7522E-22   24.00       18.33       56.00       28.00          UL-RL  5.0715E+05  -2.800       0.000
1.000       1.000       18.33       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   4.099      5.6590E-22   28.00       20.49       60.00       30.00          UL-RL  5.0715E+05  -3.000       0.000
1.000       1.000       20.49       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   4.525      6.5590E-22   32.00       22.63       64.00       32.00          UL-RL  3.7808E+05  -3.200       0.000
1.000       1.000       22.63       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   5.011      7.4488E-22   36.60       25.05       68.60       34.30          UL-RL  3.7808E+05  -3.400       0.000
1.000       1.000       25.05       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   5.492      8.3243E-22   41.20       27.46       73.20       36.60          UL-RL  3.7808E+05  -3.600       0.000
1.000       1.000       27.46       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   5.969      9.1806E-22   45.80       29.85       77.80       38.90          UL-RL  3.7808E+05  -3.800       0.000
1.000       1.000       29.85       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   6.444      1.0012E-21   50.40       32.22       82.40       41.20          UL-RL  3.7808E+05  -4.000       0.000
1.000       1.000       32.22       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   6.917      1.0812E-21   55.00       34.59       87.00       43.50          UL-RL  3.7808E+05  -4.200       0.000
1.000       1.000       34.59       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   7.404     -9.6434E-07   58.70       36.12       90.70       45.35          UL-RL  3.7808E+05  -4.400       0.9004
1.000       1.000       37.02       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   7.907     -3.0772E-06   61.33       36.67       93.33       46.67          UL-RL  3.7808E+05  -4.600       2.869
1.000       1.000       39.53       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   8.518     -3.7603E-06   63.96       37.75       95.96       47.98          UL-RL  3.7808E+05  -4.800       4.837
1.000       1.000       42.59       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   9.185     -3.6954E-06   66.60       39.12       98.60       49.30          UL-RL  3.7808E+05  -5.000       6.805
1.000       1.000       45.92       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   9.851     -3.6300E-06   69.23       40.48       101.2       50.61          UL-RL  3.7808E+05  -5.200       8.773
1.000       1.000       49.26       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   10.52     -3.5642E-06   71.86       41.85       103.9       51.93          UL-RL  3.7808E+05  -5.400       10.74
1.000       1.000       52.59       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   11.18     -3.4981E-06   74.49       43.21       106.5       53.25          UL-RL  3.7808E+05  -5.600       12.71
1.000       1.000       55.92       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   11.85     -3.4317E-06   77.12       44.57       109.1       54.56          UL-RL  3.7808E+05  -5.800       14.68
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1.000       1.000       59.25       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   12.52     -3.3651E-06   79.75       45.93       111.8       55.88          UL-RL  3.7808E+05  -6.000       16.65
1.000       1.000       62.58       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   13.18     -3.2982E-06   82.39       47.29       114.4       57.19          UL-RL  3.7808E+05  -6.200       18.61
1.000       1.000       65.91       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   13.85     -3.2311E-06   85.02       48.65       117.0       58.51          UL-RL  3.7808E+05  -6.400       20.58
1.000       1.000       69.23       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   14.51     -3.1638E-06   87.65       50.01       119.6       59.82          UL-RL  3.7808E+05  -6.600       22.55
1.000       1.000       72.56       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   15.18     -3.0963E-06   90.28       51.36       122.3       61.14          UL-RL  3.7808E+05  -6.800       24.52
1.000       1.000       75.88       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   15.84     -3.0287E-06   92.91       52.72       124.9       62.46          UL-RL  3.7808E+05  -7.000       26.49
1.000       1.000       79.21       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   16.51     -2.9610E-06   95.55       54.08       127.5       63.77          UL-RL  3.7808E+05  -7.200       28.45
1.000       1.000       82.53       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   17.17     -2.8931E-06   98.18       55.43       130.2       65.09          UL-RL  3.7808E+05  -7.400       30.42
1.000       1.000       85.85       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   17.84     -2.8251E-06   100.8       56.79       132.8       66.40          UL-RL  3.7808E+05  -7.600       32.39
1.000       1.000       89.18       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   18.50     -2.7570E-06   103.4       58.14       135.4       67.72          UL-RL  3.7808E+05  -7.800       34.36
1.000       1.000       92.50       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   19.16     -2.6889E-06   106.1       59.49       138.1       69.04          UL-RL  3.7808E+05  -8.000       36.33
1.000       1.000       95.82       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   19.83     -2.6206E-06   108.7       60.85       140.7       70.35          UL-RL  3.7808E+05  -8.200       38.30
1.000       1.000       99.14       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   20.49     -2.5523E-06   111.3       62.20       143.3       71.67          UL-RL  3.7808E+05  -8.400       40.26
1.000       1.000       102.5       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   21.16     -2.4839E-06   114.0       63.55       146.0       72.98          UL-RL  3.7808E+05  -8.600       42.23
1.000       1.000       105.8       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   21.82     -2.4154E-06   116.6       64.90       148.6       74.30          UL-RL  3.7808E+05  -8.800       44.20
1.000       1.000       109.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   22.48     -2.3469E-06   119.2       66.25       151.2       75.62          UL-RL  3.7808E+05  -9.000       46.17
1.000       1.000       112.4       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   23.15     -2.2783E-06   121.9       67.60       153.9       76.93          UL-RL  3.7808E+05  -9.200       48.14
1.000       1.000       115.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   23.81     -2.2097E-06   124.5       68.96       156.5       78.25          UL-RL  3.7808E+05  -9.400       50.10
1.000       1.000       119.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   24.48     -2.1410E-06   127.1       70.31       159.1       79.56          UL-RL  3.7808E+05  -9.600       52.07
1.000       1.000       122.4       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   25.14     -2.0723E-06   129.8       71.66       161.8       80.88          UL-RL  3.7808E+05  -9.800       54.04
1.000       1.000       125.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   25.80     -2.0035E-06   132.4       73.01       164.4       82.20          UL-RL  3.7808E+05  -10.00       56.01
1.000       1.000       129.0       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   26.47     -1.9347E-06   135.0       74.35       167.0       83.51          UL-RL  3.7808E+05  -10.20       57.98
1.000       1.000       132.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   27.13     -1.8659E-06   137.7       75.70       169.7       84.83          UL-RL  3.7808E+05  -10.40       59.95
1.000       1.000       135.6       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   27.79     -1.7970E-06   140.3       77.05       172.3       86.14          UL-RL  3.7808E+05  -10.60       61.91
1.000       1.000       139.0       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   28.46     -1.7281E-06   142.9       78.40       174.9       87.46          UL-RL  3.7808E+05  -10.80       63.88
1.000       1.000       142.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   29.12     -1.6592E-06   145.5       79.75       177.5       88.77          UL-RL  3.7808E+05  -11.00       65.85
1.000       1.000       145.6       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   29.78     -1.5902E-06   148.2       81.10       180.2       90.09          UL-RL  3.7808E+05  -11.20       67.82
1.000       1.000       148.9       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   30.45     -1.5212E-06   150.8       82.45       182.8       91.41          UL-RL  3.7808E+05  -11.40       69.79
1.000       1.000       152.2       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   31.11     -1.4522E-06   153.4       83.80       185.4       92.72          UL-RL  3.7808E+05  -11.60       71.75
1.000       1.000       155.5       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   31.77     -1.3832E-06   156.1       85.14       188.1       94.04          UL-RL  3.7808E+05  -11.80       73.72
1.000       1.000       158.9       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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53 D	32.44	-1.3142E-06	158.7	86.49	190.7	95.35	UL-RL	3.7808E+05	-12.00	75.69	
1.000	1.000	162.2	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
54 D	33.10	-1.2451E-06	161.3	87.84	193.3	96.67	UL-RL	3.7808E+05	-12.20	77.66	
1.000	1.000	165.5	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
55 D	33.76	-1.1761E-06	164.0	89.19	196.0	97.99	UL-RL	3.7808E+05	-12.40	79.63	
1.000	1.000	168.8	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
56 D	34.43	-1.1070E-06	166.6	90.53	198.6	99.30	UL-RL	3.7808E+05	-12.60	81.60	
1.000	1.000	172.1	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
57 D	35.09	-1.0379E-06	169.2	91.88	201.2	100.6	UL-RL	3.7808E+05	-12.80	83.56	
1.000	1.000	175.4	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
58 D	35.75	-9.6876E-07	171.9	93.23	203.9	101.9	UL-RL	3.7808E+05	-13.00	85.53	
1.000	1.000	178.8	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
59 D	36.41	-8.9963E-07	174.5	94.57	206.5	103.2	UL-RL	3.7808E+05	-13.20	87.50	
1.000	1.000	182.1	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
60 D	37.08	-8.3048E-07	177.1	95.92	209.1	104.6	UL-RL	3.7808E+05	-13.40	89.47	
1.000	1.000	185.4	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
61 D	37.74	-7.6133E-07	179.8	97.27	211.8	105.9	UL-RL	3.7808E+05	-13.60	91.44	
1.000	1.000	188.7	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
62 D	38.40	-6.9216E-07	182.4	98.61	214.4	107.2	UL-RL	3.7808E+05	-13.80	93.40	
1.000	1.000	192.0	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
63 D	39.07	-6.2299E-07	185.0	99.96	217.0	108.5	UL-RL	3.7808E+05	-14.00	95.37	
1.000	1.000	195.3	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
64 D	39.73	-5.5380E-07	187.7	101.3	219.7	109.8	UL-RL	3.7808E+05	-14.20	97.34	
1.000	1.000	198.6	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
65 D	40.39	-4.8460E-07	190.3	102.7	222.3	111.1	UL-RL	3.7808E+05	-14.40	99.31	
1.000	1.000	202.0	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
66 D	41.05	-4.1540E-07	192.9	104.0	224.9	112.5	UL-RL	3.7808E+05	-14.60	101.3	
1.000	1.000	205.3	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
67 D	41.72	-3.4618E-07	195.6	105.3	227.6	113.8	UL-RL	3.7808E+05	-14.80	103.2	
1.000	1.000	208.6	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
68 D	42.38	-2.7696E-07	198.2	106.7	230.2	115.1	UL-RL	3.7808E+05	-15.00	105.2	
1.000	1.000	211.9	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
69 D	43.04	-2.0773E-07	200.8	108.0	232.8	116.4	UL-RL	3.7808E+05	-15.20	107.2	
1.000	1.000	215.2	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
70 D	43.71	-1.3850E-07	203.5	109.4	235.5	117.7	UL-RL	3.7808E+05	-15.40	109.1	
1.000	1.000	218.5	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
71 D	44.37	-6.9253E-08	206.1	110.7	238.1	119.0	UL-RL	3.7808E+05	-15.60	111.1	
1.000	1.000	221.8	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
72 D	22.52	2.6342E-19	208.7	112.1	240.7	120.4	UL-RL	3.7808E+05	-15.80	113.1	
1.000	1.000	225.2	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                            ParatiePlus                                                                |
|                                  Exe Time :27 January 2022   16:36:09                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      3.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
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   1 D  2.8986E-18  7.3190E-23   0.000      2.8986E-17   32.00       16.00          UL-RL  3.9604E+05  -1.600       0.000
1.000       1.000      2.8986E-17   0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D   1.200     -1.8314E-23   4.000       6.000       36.00       18.00          UL-RL  3.9604E+05  -1.800       0.000
1.000       1.000       6.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.789     -1.0982E-22   8.000       8.944       40.00       20.00          UL-RL  3.9604E+05  -2.000       0.000
1.000       1.000       8.944       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   2.298     -2.0132E-22   12.00       11.49       44.00       22.00          UL-RL  3.9604E+05  -2.200       0.000
1.000       1.000       11.49       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   2.771     -2.9278E-22   16.00       13.86       48.00       24.00          UL-RL  3.9604E+05  -2.400       0.000
1.000       1.000       13.86       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   3.225     -3.8412E-22   20.00       16.12       52.00       26.00          UL-RL  3.9604E+05  -2.600       0.000
1.000       1.000       16.12       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   3.666     -4.7522E-22   24.00       18.33       56.00       28.00          UL-RL  3.9604E+05  -2.800       0.000
1.000       1.000       18.33       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   4.099     -5.6590E-22   28.00       20.49       60.00       30.00          UL-RL  3.9604E+05  -3.000       0.000
1.000       1.000       20.49       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   4.525     -6.5590E-22   32.00       22.63       64.00       32.00          UL-RL  2.4205E+05  -3.200       0.000
1.000       1.000       22.63       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   5.011     -7.4488E-22   36.60       25.05       68.60       34.30          UL-RL  2.4205E+05  -3.400       0.000
1.000       1.000       25.05       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   5.492     -8.3243E-22   41.20       27.46       73.20       36.60          UL-RL  2.4205E+05  -3.600       0.000
1.000       1.000       27.46       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   5.969     -9.1806E-22   45.80       29.85       77.80       38.90          UL-RL  2.4205E+05  -3.800       0.000
1.000       1.000       29.85       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   6.444     -1.0012E-21   50.40       32.22       82.40       41.20          UL-RL  2.4205E+05  -4.000       0.000
1.000       1.000       32.22       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   6.917     -1.0812E-21   55.00       34.59       87.00       43.50          UL-RL  2.4205E+05  -4.200       0.000
1.000       1.000       34.59       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   7.404      9.6434E-07   59.60       37.02       91.60       45.88          UL-RL  2.4205E+05  -4.400       0.000
1.000       1.000       37.02       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   7.907      3.0772E-06   64.20       39.53       96.20       48.35          UL-RL  2.4205E+05  -4.600       0.000
1.000       1.000       39.53       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   8.518      3.7603E-06   67.46       41.25       99.46       50.04          UL-RL  2.4205E+05  -4.800       1.335
1.000       1.000       42.59       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   9.185      3.6954E-06   70.03       42.56       102.0       51.32          UL-RL  2.4205E+05  -5.000       3.367
1.000       1.000       45.92       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   9.851      3.6300E-06   72.60       43.86       104.6       52.60          UL-RL  2.4205E+05  -5.200       5.399
1.000       1.000       49.26       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   10.52      3.5642E-06   75.17       45.16       107.2       53.88          UL-RL  2.4205E+05  -5.400       7.431
1.000       1.000       52.59       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   11.18      3.4981E-06   77.74       46.46       109.7       55.15          UL-RL  2.4205E+05  -5.600       9.463
1.000       1.000       55.92       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   11.85      3.4317E-06   80.31       47.75       112.3       56.43          UL-RL  2.4205E+05  -5.800       11.49
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1.000       1.000       59.25       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   12.52      3.3651E-06  82.87       49.05       114.9       57.71          UL-RL  2.4205E+05  -6.000       13.53
1.000       1.000       62.58       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   13.18      3.2982E-06  85.44       50.35       117.4       58.99          UL-RL  2.4205E+05  -6.200       15.56
1.000       1.000       65.91       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   13.85      3.2311E-06  88.01       51.64       120.0       60.27          UL-RL  2.4205E+05  -6.400       17.59
1.000       1.000       69.23       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   14.51      3.1638E-06  90.58       52.94       122.6       61.55          UL-RL  2.4205E+05  -6.600       19.62
1.000       1.000       72.56       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   15.18      3.0963E-06  93.15       54.23       125.1       62.83          UL-RL  2.4205E+05  -6.800       21.65
1.000       1.000       75.88       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   15.84      3.0287E-06  95.71       55.52       127.7       64.10          UL-RL  2.4205E+05  -7.000       23.69
1.000       1.000       79.21       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   16.51      2.9610E-06  98.28       56.81       130.3       65.38          UL-RL  2.4205E+05  -7.200       25.72
1.000       1.000       82.53       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   17.17      2.8931E-06  100.9       58.11       132.9       66.66          UL-RL  2.4205E+05  -7.400       27.75
1.000       1.000       85.85       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   17.84      2.8251E-06  103.4       59.40       135.4       67.94          UL-RL  2.4205E+05  -7.600       29.78
1.000       1.000       89.18       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   18.50      2.7570E-06  106.0       60.69       138.0       69.22          UL-RL  2.4205E+05  -7.800       31.81
1.000       1.000       92.50       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   19.16      2.6889E-06  108.6       61.98       140.6       70.50          UL-RL  2.4205E+05  -8.000       33.84
1.000       1.000       95.82       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   19.83      2.6206E-06  111.1       63.27       143.1       71.77          UL-RL  2.4205E+05  -8.200       35.88
1.000       1.000       99.14       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   20.49      2.5523E-06  113.7       64.55       145.7       73.05          UL-RL  2.4205E+05  -8.400       37.91
1.000       1.000       102.5       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   21.16      2.4839E-06  116.3       65.84       148.3       74.33          UL-RL  2.4205E+05  -8.600       39.94
1.000       1.000       105.8       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   21.82      2.4154E-06  118.8       67.13       150.8       75.61          UL-RL  2.4205E+05  -8.800       41.97
1.000       1.000       109.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   22.48      2.3469E-06  121.4       68.42       153.4       76.89          UL-RL  2.4205E+05  -9.000       44.00
1.000       1.000       112.4       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   23.15      2.2783E-06  124.0       69.71       156.0       78.17          UL-RL  2.4205E+05  -9.200       46.04
1.000       1.000       115.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   23.81      2.2097E-06  126.5       70.99       158.5       79.45          UL-RL  2.4205E+05  -9.400       48.07
1.000       1.000       119.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   24.48      2.1410E-06  129.1       72.28       161.1       80.72          UL-RL  2.4205E+05  -9.600       50.10
1.000       1.000       122.4       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   25.14      2.0723E-06  131.7       73.57       163.7       82.00          UL-RL  2.4205E+05  -9.800       52.13
1.000       1.000       125.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   25.80      2.0035E-06  134.2       74.85       166.2       83.28          UL-RL  2.4205E+05  -10.00       54.16
1.000       1.000       129.0       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   26.47      1.9347E-06  136.8       76.14       168.8       84.56          UL-RL  2.4205E+05  -10.20       56.19
1.000       1.000       132.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   27.13      1.8659E-06  139.4       77.42       171.4       85.84          UL-RL  2.4205E+05  -10.40       58.23
1.000       1.000       135.6       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   27.79      1.7970E-06  141.9       78.71       173.9       87.12          UL-RL  2.4205E+05  -10.60       60.26
1.000       1.000       139.0       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   28.46      1.7281E-06  144.5       79.99       176.5       88.39          UL-RL  2.4205E+05  -10.80       62.29
1.000       1.000       142.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   29.12      1.6592E-06  147.1       81.28       179.1       89.67          UL-RL  2.4205E+05  -11.00       64.32
1.000       1.000       145.6       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   29.78      1.5902E-06  149.6       82.56       181.6       90.95          UL-RL  2.4205E+05  -11.20       66.35
1.000       1.000       148.9       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   30.45      1.5212E-06  152.2       83.85       184.2       92.23          UL-RL  2.4205E+05  -11.40       68.39
1.000       1.000       152.2       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   31.11      1.4522E-06  154.8       85.13       186.8       93.51          UL-RL  2.4205E+05  -11.60       70.42
1.000       1.000       155.5       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   31.77      1.3832E-06  157.4       86.42       189.4       94.79          UL-RL  2.4205E+05  -11.80       72.45
1.000       1.000       158.9       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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53 D	32.44	1.3142E-06	159.9	87.70	191.9	96.07	UL-RL	2.4205E+05	-12.00	74.48
1.000	1.000	162.2	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
54 D	33.10	1.2451E-06	162.5	88.98	194.5	97.34	UL-RL	2.4205E+05	-12.20	76.51
1.000	1.000	165.5	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
55 D	33.76	1.1761E-06	165.1	90.27	197.1	98.62	UL-RL	2.4205E+05	-12.40	78.54
1.000	1.000	168.8	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
56 D	34.43	1.1070E-06	167.6	91.55	199.6	99.90	UL-RL	2.4205E+05	-12.60	80.58
1.000	1.000	172.1	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
57 D	35.09	1.0379E-06	170.2	92.83	202.2	101.2	UL-RL	2.4205E+05	-12.80	82.61
1.000	1.000	175.4	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
58 D	35.75	9.6876E-07	172.8	94.12	204.8	102.5	UL-RL	2.4205E+05	-13.00	84.64
1.000	1.000	178.8	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
59 D	36.41	8.9963E-07	175.3	95.40	207.3	103.7	UL-RL	2.4205E+05	-13.20	86.67
1.000	1.000	182.1	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
60 D	37.08	8.3048E-07	177.9	96.68	209.9	105.0	UL-RL	2.4205E+05	-13.40	88.70
1.000	1.000	185.4	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
61 D	37.74	7.6133E-07	180.5	97.97	212.5	106.3	UL-RL	2.4205E+05	-13.60	90.74
1.000	1.000	188.7	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
62 D	38.40	6.9216E-07	183.0	99.25	215.0	107.6	UL-RL	2.4205E+05	-13.80	92.77
1.000	1.000	192.0	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
63 D	39.07	6.2299E-07	185.6	100.5	217.6	108.9	UL-RL	2.4205E+05	-14.00	94.80
1.000	1.000	195.3	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
64 D	39.73	5.5380E-07	188.2	101.8	220.2	110.1	UL-RL	2.4205E+05	-14.20	96.83
1.000	1.000	198.6	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
65 D	40.39	4.8460E-07	190.7	103.1	222.7	111.4	UL-RL	2.4205E+05	-14.40	98.86
1.000	1.000	202.0	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
66 D	41.05	4.1540E-07	193.3	104.4	225.3	112.7	UL-RL	2.4205E+05	-14.60	100.9
1.000	1.000	205.3	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
67 D	41.72	3.4618E-07	195.9	105.7	227.9	114.0	UL-RL	2.4205E+05	-14.80	102.9
1.000	1.000	208.6	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
68 D	42.38	2.7696E-07	198.4	106.9	230.4	115.2	UL-RL	2.4205E+05	-15.00	105.0
1.000	1.000	211.9	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
69 D	43.04	2.0773E-07	201.0	108.2	233.0	116.5	UL-RL	2.4205E+05	-15.20	107.0
1.000	1.000	215.2	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
70 D	43.71	1.3850E-07	203.6	109.5	235.6	117.8	UL-RL	2.4205E+05	-15.40	109.0
1.000	1.000	218.5	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
71 D	44.37	6.9253E-08	206.1	110.8	238.1	119.1	UL-RL	2.4205E+05	-15.60	111.1
1.000	1.000	221.8	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
72 D	22.52	-2.6342E-19	208.7	112.1	240.7	120.4	UL-RL	2.4205E+05	-15.80	113.1
1.000	1.000	225.2	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :27 January 2022   16:36:09                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_9503                                              :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   71
C U R R E N T   T I M E   I S      3.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
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    1-2.89864E-18 2.89864E-18 3.15544E-30-5.79728E-19
    2 4.89457E-18-4.89457E-18 5.79728E-19 3.99187E-19
    3 2.01983E-17-2.01983E-17-3.99187E-19 4.43884E-18
    4 4.30060E-17-4.30060E-17-4.43884E-18 1.30400E-17
    5 7.33034E-17-7.33034E-17-1.30400E-17 2.77007E-17
    6 1.11065E-16-1.11065E-16-2.77007E-17 4.99138E-17
    7 1.56254E-16-1.56254E-16-4.99138E-17 8.11647E-17
    8 2.08817E-16-2.08817E-16-8.11647E-17 1.22928E-16
    9 2.49923E-16-2.49923E-16-1.22928E-16 1.72913E-16
   10 2.95985E-16-2.95985E-16-1.72913E-16 2.32110E-16
   11 3.46934E-16-3.46934E-16-2.32110E-16 3.01496E-16
   12 4.02687E-16-4.02687E-16-3.01496E-16 3.82034E-16
   13 4.63149E-16-4.63149E-16-3.82034E-16 4.74664E-16
   14-7.19605E-13 7.19605E-13-7.24880E-14-7.14330E-14
   15 1.02766E-12-1.02766E-12 1.02126E-13 1.03406E-13
   16-4.78523E-13 4.78523E-13-4.86205E-14-4.70842E-14
   17-4.28109E-13 4.28109E-13-4.37232E-14-4.18987E-14
   18-3.68698E-13 3.68698E-13-3.79379E-14-3.58015E-14
   19-2.99530E-13 2.99530E-13-3.11903E-14-2.87157E-14
   20-2.25118E-13 2.25118E-13-2.37549E-14-2.12688E-14
   21 2.94160E-12-2.94160E-12 2.93074E-13 2.95246E-13
   22-9.42754E-14 9.42754E-14-1.03731E-14-8.48197E-15
   23-4.12790E-14 4.12790E-14-4.94888E-15-3.30688E-15
   24 4.73870E-15-4.73870E-15-2.39046E-16 1.18679E-15
   25 3.94386E-14-3.94386E-14 3.50011E-15 4.38761E-15
   26 5.86401E-14-5.86401E-14 5.66771E-15 6.06031E-15
   27 6.91280E-14-6.91280E-14 6.75951E-15 7.06610E-15
   28-3.01905E-12 3.01905E-12-3.02040E-13-3.01766E-13
   29 8.63432E-14-8.63432E-14 8.48752E-15 8.78111E-15
   30 9.62301E-14-9.62301E-14 9.44024E-15 9.80578E-15
   31 1.09048E-13-1.09048E-13 1.06603E-14 1.11493E-14
   32 1.26332E-13-1.26332E-13 1.23015E-14 1.29648E-14
   33 1.38935E-13-1.38935E-13 1.38050E-14 1.39820E-14
   34 1.27029E-13-1.27029E-13 1.31882E-14 1.22175E-14
   35 8.14136E-14-8.14136E-14 9.17649E-15 7.10622E-15
   36 3.52447E-15-3.52447E-15 1.91362E-15-1.20873E-15
   37-1.05220E-13 1.05220E-13-8.45834E-15-1.25856E-14
   38-2.22084E-13 2.22084E-13-2.03766E-14-2.40402E-14
   39-3.02994E-13 3.02994E-13-2.94342E-14-3.11645E-14
   40 2.76103E-12-2.76103E-12 2.76331E-13 2.75874E-13
   41-3.40296E-13 3.40296E-13-3.41085E-14-3.39504E-14
   42-3.25657E-13 3.25657E-13-3.29745E-14-3.21568E-14
   43-2.69358E-13 2.69358E-13-2.84038E-14-2.54692E-14
   44-1.27708E-13 1.27708E-13-1.60255E-14-9.51481E-15
   45 1.21778E-13-1.21778E-13 7.11725E-15 1.72384E-14
   46-1.06841E-12 1.06841E-12-1.13721E-13-9.99603E-14
   47 9.47763E-13-9.47763E-13 8.60650E-14 1.03488E-13
   48-2.28712E-14 2.28712E-14-1.28353E-14 8.26101E-15
   49-9.04558E-13 9.04558E-13-1.02132E-13-7.87796E-14
   50 1.34624E-12-1.34624E-12 1.22888E-13 1.46361E-13
   51-1.06613E-12 1.06613E-12-1.17692E-13-9.55348E-14
   52 1.12677E-12-1.12677E-12 1.02273E-13 1.23082E-13
   53-1.35601E-12 1.35601E-12-1.45665E-13-1.25537E-13
   54 8.06464E-13-8.06464E-13 7.02416E-14 9.10511E-14
   55-1.08600E-13 1.08600E-13-2.15670E-14-1.52939E-16
   56 5.20142E-13-5.20142E-13 4.17632E-14 6.22653E-14
   57-4.28582E-13 4.28582E-13-5.25969E-14-3.31194E-14
   58 1.38365E-13-1.38365E-13 4.67706E-15 2.29960E-14
   59-1.06001E-13 1.06001E-13-1.91020E-14-2.09818E-15
   60-3.92488E-13 3.92488E-13-4.70042E-14-3.14933E-14
   61 4.74133E-14-4.74133E-14-2.16655E-15 1.16492E-14
   62 4.33045E-13-4.33045E-13 3.73580E-14 4.92511E-14
   63-3.83196E-14 3.83196E-14-7.98022E-15 3.16296E-16
   64-6.43064E-13 6.43064E-13-6.58070E-14-6.28059E-14
   65 1.58495E-13-1.58495E-13 1.64383E-14 1.52606E-14
   66 7.67999E-14-7.67999E-14 9.81428E-15 5.54570E-15
   67-6.04103E-14 6.04103E-14-3.60165E-15-8.48042E-15
   68 2.07973E-13-2.07973E-13 2.23153E-14 1.92793E-14
   69-5.52848E-14 5.52848E-14-4.72296E-15-6.33401E-15
   70 7.83450E-15-7.83450E-15 1.09982E-15 4.67084E-16
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   71 5.62507E-15-5.62507E-15 6.27232E-16 4.97839E-16

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8376E+05 RIMNOR=0.7861E-24
           RENORM= 559.5     REMNOR=0.5508E-24 RATIO =0.8173E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 44.37     RMMAX =0.3020E-12
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-17
           RDT   =0.8376E+05 RDR   =0.1000E-17
           RATIOT=0.8173E-01 RATIOR= 0.000
           MAX UN= 5.492     IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           MIN UN=-.2849E-12 IEQ=    44 NODE     22 DOF   2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8376E+05 RIMNOR=0.7861E-24
           RENORM= 7.108     REMNOR=0.1611E-20 RATIO =0.9212E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 44.37     RMMAX =0.3020E-12
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-17
           RDT   =0.8376E+05 RDR   =0.1000E-17
           RATIOT=0.9212E-02 RATIOR= 0.000
           MAX UN= 2.028     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.1171E-09 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8376E+05 RIMNOR=0.7861E-24
           RENORM=0.5610     REMNOR=0.3203E-21 RATIO =0.2588E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 44.37     RMMAX =0.3020E-12
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-17
           RDT   =0.8376E+05 RDR   =0.1000E-17
           RATIOT=0.2588E-02 RATIOR= 0.000
           MAX UN=0.7238     IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           MIN UN=-.7254E-10 IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8376E+05 RIMNOR=0.7861E-24
           RENORM=0.6651E-19 REMNOR=0.2232E-21 RATIO =0.8911E-12 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 44.37     RMMAX =0.3020E-12
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-17
           RDT   =0.8376E+05 RDR   =0.1000E-17
           RATIOT=0.8911E-12 RATIOR= 0.000
           MAX UN=0.9685E-10 IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
           MIN UN=-.8282E-10 IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*              |
|                                                                                                                         |
|                                                ParatiePlus                                                              |
|                                  Exe Time :27 January 2022   16:36:09                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     4 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    4     ( AT TIME   4.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
    1   6.4183890E-05  -7.1002086E-06
    2   6.2763849E-05  -7.1002086E-06
    3   6.1343807E-05  -7.1002086E-06
    4   5.9923765E-05  -7.1002086E-06
    5   5.8503724E-05  -7.1002086E-06
    6   5.7083682E-05  -7.1002086E-06
    7   5.5663640E-05  -7.1002086E-06
    8   5.4243598E-05  -7.1002086E-06
    9   5.2823609E-05  -7.0994191E-06
   10   5.1404398E-05  -7.0901191E-06
   11   4.9989207E-05  -7.0561418E-06
   12   4.8584500E-05  -6.9837814E-06
   13   4.7198496E-05  -6.8693907E-06
   14   4.5839364E-05  -6.7157019E-06
   15   4.5478884E-05  -6.5270203E-06
   16   4.6307738E-05  -6.3083538E-06
   17   4.5753173E-05  -6.0649886E-06
   18   4.4501228E-05  -5.8021316E-06
   19   4.3302968E-05  -5.5246310E-06
   20   4.2160915E-05  -5.2368914E-06
   21   4.1076764E-05  -4.9428822E-06
   22   4.0051448E-05  -4.6461398E-06
   23   3.9085227E-05  -4.3497823E-06
   24   3.8177780E-05  -4.0565287E-06
   25   3.7328263E-05  -3.7687138E-06
   26   3.6535410E-05  -3.4883204E-06
   27   3.5797585E-05  -3.2169977E-06
   28   3.5112853E-05  -2.9560881E-06
   29   3.4479037E-05  -2.7066544E-06
   30   3.3893765E-05  -2.4695003E-06
   31   3.3354534E-05  -2.2452028E-06
   32   3.2858743E-05  -2.0341318E-06
   33   3.2403734E-05  -1.8364749E-06
   34   3.1986827E-05  -1.6522593E-06
   35   3.1605350E-05  -1.4813732E-06
   36   3.1256665E-05  -1.3235855E-06
   37   3.0938191E-05  -1.1785650E-06
   38   3.0647418E-05  -1.0458945E-06
   39   3.0381929E-05  -9.2509063E-07
   40   3.0139407E-05  -8.1561528E-07
   41   2.9917650E-05  -7.1688919E-07
   42   2.9714571E-05  -6.2830389E-07
   43   2.9528207E-05  -5.4923030E-07
   44   2.9356718E-05  -4.7902886E-07
   45   2.9198414E-05  -4.1706533E-07
   46   2.9051692E-05  -3.6269571E-07
   47   2.8915107E-05  -3.1529792E-07
   48   2.8787328E-05  -2.7426223E-07
   49   2.8667143E-05  -2.3899868E-07
   50   2.8553457E-05  -2.0894053E-07
   51   2.8445286E-05  -1.8354696E-07
   52   2.8341749E-05  -1.6230518E-07
   53   2.8242065E-05  -1.4473203E-07
   54   2.8145550E-05  -1.3037498E-07
   55   2.8051602E-05  -1.1881284E-07
   56   2.7959704E-05  -1.0965600E-07
   57   2.7869411E-05  -1.0254644E-07
   58   2.7780349E-05  -9.7157405E-08
   59   2.7692205E-05  -9.3192899E-08
   60   2.7604720E-05  -9.0387022E-08
   61   2.7517689E-05  -8.8503139E-08
   62   2.7430950E-05  -8.7332958E-08
   63   2.7344377E-05  -8.6695544E-08
   64   2.7257882E-05  -8.6436275E-08
   65   2.7171402E-05  -8.6425781E-08
   66   2.7084900E-05  -8.6558882E-08
   67   2.6998356E-05  -8.6753529E-08
   68   2.6911763E-05  -8.6949777E-08
   69   2.6825127E-05  -8.7108788E-08
   70   2.6738458E-05  -8.7211876E-08
   71   2.6651767E-05  -8.7259590E-08
   72   2.6565060E-05  -8.7270848E-08
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:36:09                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                      :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      4.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -6.4184E-05   0.000       0.000       32.00       16.00          ACTIVE   0.000      -1.600       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D   0.000     -6.2764E-05   4.000       0.000       36.00       18.00          ACTIVE   0.000      -1.800       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   0.000     -6.1344E-05   8.000       0.000       40.00       20.00          ACTIVE   0.000      -2.000       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   0.000     -5.9924E-05   12.00       0.000       44.00       22.00          ACTIVE   0.000      -2.200       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   0.000     -5.8504E-05   16.00       0.000       48.00       24.00          ACTIVE   0.000      -2.400       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   0.000     -5.7084E-05   20.00       0.000       52.00       26.00          ACTIVE   0.000      -2.600       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   0.000     -5.5664E-05   24.00       0.000       56.00       28.00          ACTIVE   0.000      -2.800       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D  0.1924     -5.4244E-05   28.00      0.9621       60.00       30.00            UL-RL  3.6008E+05  -3.000       0.000
1.000       1.000      0.9621       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   1.690     -5.2824E-05   32.00       8.448       64.00       32.00            UL-RL  2.6844E+05  -3.200       0.000
1.000       1.000       8.448       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   2.251     -5.1404E-05   36.60       11.25       68.60       34.30            UL-RL  2.6844E+05  -3.400       0.000
1.000       1.000       11.25       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   2.808     -4.9989E-05   41.20       14.04       73.20       36.60            UL-RL  2.6844E+05  -3.600       0.000
1.000       1.000       14.04       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   3.361     -4.8585E-05   45.80       16.80       77.80       38.90            UL-RL  2.6844E+05  -3.800       0.000
1.000       1.000       16.80       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   3.910     -4.7198E-05   50.40       19.55       82.40       41.20            UL-RL  2.6844E+05  -4.000       0.000
1.000       1.000       19.55       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   4.456     -4.5839E-05   55.00       22.28       87.00       43.50            UL-RL  2.6844E+05  -4.200       0.000
1.000       1.000       22.28       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.014     -4.5479E-05   58.70       24.17       90.70       45.35            UL-RL  2.6844E+05  -4.400       0.9004
1.000       1.000       25.07       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   5.586     -4.6308E-05   61.33       25.06       93.33       46.67            UL-RL  2.6844E+05  -4.600       2.869
1.000       1.000       27.93       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.263     -4.5753E-05   63.96       26.48       95.96       47.98            UL-RL  2.6844E+05  -4.800       4.837
1.000       1.000       31.32       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   6.994     -4.4501E-05   66.60       28.16       98.60       49.30            UL-RL  2.6844E+05  -5.000       6.805
1.000       1.000       34.97       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   7.721     -4.3303E-05   69.23       29.83       101.2       50.61            UL-RL  2.6844E+05  -5.200       8.773
1.000       1.000       38.61       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   8.446     -4.2161E-05   71.86       31.49       103.9       51.93            UL-RL  2.6844E+05  -5.400       10.74
1.000       1.000       42.23       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   9.166     -4.1077E-05   74.49       33.12       106.5       53.25            UL-RL  2.6844E+05  -5.600       12.71
1.000       1.000       45.83       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   9.884     -4.0051E-05   77.12       34.74       109.1       54.56            UL-RL  2.6844E+05  -5.800       14.68
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1.000       1.000       49.42       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   10.60     -3.9085E-05   79.75       36.34       111.8       55.88          UL-RL  2.6844E+05  -6.000       16.65
1.000       1.000       52.99       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   11.31     -3.8178E-05   82.39       37.93       114.4       57.19          UL-RL  2.6844E+05  -6.200       18.61
1.000       1.000       56.54       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   12.02     -3.7328E-05   85.02       39.50       117.0       58.51          UL-RL  2.6844E+05  -6.400       20.58
1.000       1.000       60.08       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   12.72     -3.6535E-05   87.65       41.05       119.6       59.82          UL-RL  2.6844E+05  -6.600       22.55
1.000       1.000       63.60       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   13.42     -3.5798E-05   90.28       42.59       122.3       61.14          UL-RL  2.6844E+05  -6.800       24.52
1.000       1.000       67.10       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   14.12     -3.5113E-05   92.91       44.11       124.9       62.46          UL-RL  2.6844E+05  -7.000       26.49
1.000       1.000       70.59       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   14.81     -3.4479E-05   95.55       45.62       127.5       63.77          UL-RL  2.6844E+05  -7.200       28.45
1.000       1.000       74.07       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   15.51     -3.3894E-05   98.18       47.11       130.2       65.09          UL-RL  2.6844E+05  -7.400       30.42
1.000       1.000       77.53       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   16.20     -3.3355E-05   100.8       48.59       132.8       66.40          UL-RL  2.6844E+05  -7.600       32.39
1.000       1.000       80.98       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   16.88     -3.2859E-05   103.4       50.06       135.4       67.72          UL-RL  2.6844E+05  -7.800       34.36
1.000       1.000       84.42       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   17.57     -3.2404E-05   106.1       51.52       138.1       69.04          UL-RL  2.6844E+05  -8.000       36.33
1.000       1.000       87.84       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   18.25     -3.1987E-05   108.7       52.96       140.7       70.35          UL-RL  2.6844E+05  -8.200       38.30
1.000       1.000       91.26       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   18.93     -3.1605E-05   111.3       54.40       143.3       71.67          UL-RL  2.6844E+05  -8.400       40.26
1.000       1.000       94.66       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   19.61     -3.1257E-05   114.0       55.83       146.0       72.98          UL-RL  2.6844E+05  -8.600       42.23
1.000       1.000       98.06       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   20.29     -3.0938E-05   116.6       57.25       148.6       74.30          UL-RL  2.6844E+05  -8.800       44.20
1.000       1.000       101.4       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   20.96     -3.0647E-05   119.2       58.66       151.2       75.62          UL-RL  2.6844E+05  -9.000       46.17
1.000       1.000       104.8       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   21.64     -3.0382E-05   121.9       60.06       153.9       76.93          UL-RL  2.6844E+05  -9.200       48.14
1.000       1.000       108.2       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   22.31     -3.0139E-05   124.5       61.46       156.5       78.25          UL-RL  2.6844E+05  -9.400       50.10
1.000       1.000       111.6       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   22.98     -2.9918E-05   127.1       62.85       159.1       79.56          UL-RL  2.6844E+05  -9.600       52.07
1.000       1.000       114.9       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   23.66     -2.9715E-05   129.8       64.24       161.8       80.88          UL-RL  2.6844E+05  -9.800       54.04
1.000       1.000       118.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   24.33     -2.9528E-05   132.4       65.62       164.4       82.20          UL-RL  2.6844E+05  -10.00       56.01
1.000       1.000       121.6       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   24.99     -2.9357E-05   135.0       66.99       167.0       83.51          UL-RL  2.6844E+05  -10.20       57.98
1.000       1.000       125.0       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   25.66     -2.9198E-05   137.7       68.37       169.7       84.83          UL-RL  2.6844E+05  -10.40       59.95
1.000       1.000       128.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   26.33     -2.9052E-05   140.3       69.74       172.3       86.14          UL-RL  2.6844E+05  -10.60       61.91
1.000       1.000       131.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   27.00     -2.8915E-05   142.9       71.10       174.9       87.46          UL-RL  2.6844E+05  -10.80       63.88
1.000       1.000       135.0       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   27.66     -2.8787E-05   145.5       72.47       177.5       88.77          UL-RL  2.6844E+05  -11.00       65.85
1.000       1.000       138.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   28.33     -2.8667E-05   148.2       73.83       180.2       90.09          UL-RL  2.6844E+05  -11.20       67.82
1.000       1.000       141.6       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   29.00     -2.8553E-05   150.8       75.19       182.8       91.41          UL-RL  2.6844E+05  -11.40       69.79
1.000       1.000       145.0       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   29.66     -2.8445E-05   153.4       76.55       185.4       92.72          UL-RL  2.6844E+05  -11.60       71.75
1.000       1.000       148.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   30.33     -2.8342E-05   156.1       77.91       188.1       94.04          UL-RL  2.6844E+05  -11.80       73.72
1.000       1.000       151.6       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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53 D	30.99	-2.8242E-05	158.7	79.26	190.7	95.35	UL-RL	2.6844E+05	-12.00	75.69	
1.000	1.000	155.0	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
54 D	31.66	-2.8146E-05	161.3	80.62	193.3	96.67	UL-RL	2.6844E+05	-12.20	77.66	
1.000	1.000	158.3	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
55 D	32.32	-2.8052E-05	164.0	81.97	196.0	97.99	UL-RL	2.6844E+05	-12.40	79.63	
1.000	1.000	161.6	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
56 D	32.98	-2.7960E-05	166.6	83.32	198.6	99.30	UL-RL	2.6844E+05	-12.60	81.60	
1.000	1.000	164.9	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
57 D	33.65	-2.7869E-05	169.2	84.68	201.2	100.6	UL-RL	2.6844E+05	-12.80	83.56	
1.000	1.000	168.2	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
58 D	34.31	-2.7780E-05	171.9	86.03	203.9	101.9	UL-RL	2.6844E+05	-13.00	85.53	
1.000	1.000	171.6	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
59 D	34.98	-2.7692E-05	174.5	87.38	206.5	103.2	UL-RL	2.6844E+05	-13.20	87.50	
1.000	1.000	174.9	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
60 D	35.64	-2.7605E-05	177.1	88.73	209.1	104.6	UL-RL	2.6844E+05	-13.40	89.47	
1.000	1.000	178.2	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
61 D	36.30	-2.7518E-05	179.8	90.08	211.8	105.9	UL-RL	2.6844E+05	-13.60	91.44	
1.000	1.000	181.5	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
62 D	36.97	-2.7431E-05	182.4	91.44	214.4	107.2	UL-RL	2.6844E+05	-13.80	93.40	
1.000	1.000	184.8	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
63 D	37.63	-2.7344E-05	185.0	92.79	217.0	108.5	UL-RL	2.6844E+05	-14.00	95.37	
1.000	1.000	188.2	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
64 D	38.30	-2.7258E-05	187.7	94.14	219.7	109.8	UL-RL	2.6844E+05	-14.20	97.34	
1.000	1.000	191.5	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
65 D	38.96	-2.7171E-05	190.3	95.49	222.3	111.1	UL-RL	2.6844E+05	-14.40	99.31	
1.000	1.000	194.8	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
66 D	39.62	-2.7085E-05	192.9	96.84	224.9	112.5	UL-RL	2.6844E+05	-14.60	101.3	
1.000	1.000	198.1	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
67 D	40.29	-2.6998E-05	195.6	98.19	227.6	113.8	UL-RL	2.6844E+05	-14.80	103.2	
1.000	1.000	201.4	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
68 D	40.95	-2.6912E-05	198.2	99.54	230.2	115.1	UL-RL	2.6844E+05	-15.00	105.2	
1.000	1.000	204.8	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
69 D	41.61	-2.6825E-05	200.8	100.9	232.8	116.4	UL-RL	2.6844E+05	-15.20	107.2	
1.000	1.000	208.1	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
70 D	42.28	-2.6738E-05	203.5	102.2	235.5	117.7	UL-RL	2.6844E+05	-15.40	109.1	
1.000	1.000	211.4	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
71 D	42.94	-2.6652E-05	206.1	103.6	238.1	119.0	UL-RL	2.6844E+05	-15.60	111.1	
1.000	1.000	214.7	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
72 D	21.80	-2.6565E-05	208.7	104.9	240.7	120.4	UL-RL	2.6844E+05	-15.80	113.1	
1.000	1.000	218.0	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:36:09                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      4.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------------
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-----------------------------------------------
   1     0.000         --          --          --          --          --         REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --         REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --         REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --         REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --         REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --         REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --         REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --         REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --         REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --         REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  11 D   1.718      4.9989E-05   0.000       8.591       73.20       36.60          UL-RL  1.7185E+05  -3.600       0.000
1.000       1.000       8.591       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   3.562      4.8585E-05   4.600       17.81       77.80       38.90          UL-RL  1.7185E+05  -3.800       0.000
1.000       1.000       17.81       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   4.376      4.7198E-05   9.200       21.88       82.40       41.20          UL-RL  1.7185E+05  -4.000       0.000
1.000       1.000       21.88       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.040      4.5839E-05   13.80       25.20       87.00       43.50          UL-RL  1.7185E+05  -4.200       0.000
1.000       1.000       25.20       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.650      4.5479E-05   18.40       28.25       91.60       45.88          UL-RL  1.7185E+05  -4.400       0.000
1.000       1.000       28.25       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   6.238      4.6308E-05   23.00       31.19       96.20       48.35          UL-RL  1.7185E+05  -4.600       0.000
1.000       1.000       31.19       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.880      4.5753E-05   26.26       33.07       99.46       50.04          UL-RL  1.7185E+05  -4.800       1.335
1.000       1.000       34.40       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   7.558      4.4501E-05   28.83       34.42       102.0       51.32          UL-RL  1.7185E+05  -5.000       3.367
1.000       1.000       37.79       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   8.232      4.3303E-05   31.40       35.76       104.6       52.60          UL-RL  1.7185E+05  -5.200       5.399
1.000       1.000       41.16       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   8.902      4.2161E-05   33.97       37.08       107.2       53.88          UL-RL  1.7185E+05  -5.400       7.431
1.000       1.000       44.51       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   9.571      4.1077E-05   36.54       38.39       109.7       55.15          UL-RL  1.7185E+05  -5.600       9.463
1.000       1.000       47.86       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   10.24      4.0051E-05   39.11       39.70       112.3       56.43          UL-RL  1.7185E+05  -5.800       11.49
1.000       1.000       51.19       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   10.91      3.9085E-05   41.67       41.00       114.9       57.71          UL-RL  1.7185E+05  -6.000       13.53
1.000       1.000       54.53       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   11.57      3.8178E-05   44.24       42.30       117.4       58.99          UL-RL  1.7185E+05  -6.200       15.56
1.000       1.000       57.85       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   12.24      3.7328E-05   46.81       43.59       120.0       60.27          UL-RL  1.7185E+05  -6.400       17.59
1.000       1.000       61.18       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
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0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   12.90      3.6535E-05   49.38       44.89       122.6       61.55          UL-RL  1.7185E+05  -6.600       19.62
1.000       1.000       64.51       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   13.57      3.5798E-05   51.95       46.18       125.1       62.83          UL-RL  1.7185E+05  -6.800       21.65
1.000       1.000       67.83       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   14.23      3.5113E-05   54.51       47.47       127.7       64.10          UL-RL  1.7185E+05  -7.000       23.69
1.000       1.000       71.16       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   14.90      3.4479E-05   57.08       48.77       130.3       65.38          UL-RL  1.7185E+05  -7.200       25.72
1.000       1.000       74.49       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   15.56      3.3894E-05   59.65       50.07       132.9       66.66          UL-RL  1.7185E+05  -7.400       27.75
1.000       1.000       77.82       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   16.23      3.3355E-05   62.22       51.37       135.4       67.94          UL-RL  1.7185E+05  -7.600       29.78
1.000       1.000       81.15       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   16.90      3.2859E-05   64.79       52.67       138.0       69.22          UL-RL  1.7185E+05  -7.800       31.81
1.000       1.000       84.48       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   17.56      3.2404E-05   67.36       53.97       140.6       70.50          UL-RL  1.7185E+05  -8.000       33.84
1.000       1.000       87.82       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   18.23      3.1987E-05   69.92       55.27       143.1       71.77          UL-RL  1.7185E+05  -8.200       35.88
1.000       1.000       91.15       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   18.90      3.1605E-05   72.49       56.58       145.7       73.05          UL-RL  1.7185E+05  -8.400       37.91
1.000       1.000       94.49       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   19.57      3.1257E-05   75.06       57.89       148.3       74.33          UL-RL  1.7185E+05  -8.600       39.94
1.000       1.000       97.83       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   20.23      3.0938E-05   77.63       59.20       150.8       75.61          UL-RL  1.7185E+05  -8.800       41.97
1.000       1.000       101.2       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   20.90      3.0647E-05   80.20       60.51       153.4       76.89          UL-RL  1.7185E+05  -9.000       44.00
1.000       1.000       104.5       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   21.57      3.0382E-05   82.76       61.82       156.0       78.17          UL-RL  1.7185E+05  -9.200       46.04
1.000       1.000       107.9       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   22.24      3.0139E-05   85.33       63.13       158.5       79.45          UL-RL  1.7185E+05  -9.400       48.07
1.000       1.000       111.2       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   22.91      2.9918E-05   87.90       64.44       161.1       80.72          UL-RL  1.7185E+05  -9.600       50.10
1.000       1.000       114.5       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   23.58      2.9715E-05   90.47       65.76       163.7       82.00          UL-RL  1.7185E+05  -9.800       52.13
1.000       1.000       117.9       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   24.25      2.9528E-05   93.04       67.07       166.2       83.28          UL-RL  1.7185E+05  -10.00       54.16
1.000       1.000       121.2       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   24.92      2.9357E-05   95.61       68.39       168.8       84.56          UL-RL  1.7185E+05  -10.20       56.19
1.000       1.000       124.6       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   25.59      2.9198E-05   98.17       69.70       171.4       85.84          UL-RL  1.7185E+05  -10.40       58.23
1.000       1.000       127.9       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   26.25      2.9052E-05   100.7       71.02       173.9       87.12          UL-RL  1.7185E+05  -10.60       60.26
1.000       1.000       131.3       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   26.92      2.8915E-05   103.3       72.33       176.5       88.39          UL-RL  1.7185E+05  -10.80       62.29
1.000       1.000       134.6       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   27.59      2.8787E-05   105.9       73.64       179.1       89.67          UL-RL  1.7185E+05  -11.00       64.32
1.000       1.000       138.0       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   28.26      2.8667E-05   108.4       74.96       181.6       90.95          UL-RL  1.7185E+05  -11.20       66.35
1.000       1.000       141.3       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   28.93      2.8553E-05   111.0       76.27       184.2       92.23          UL-RL  1.7185E+05  -11.40       68.39
1.000       1.000       144.7       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   29.60      2.8445E-05   113.6       77.58       186.8       93.51          UL-RL  1.7185E+05  -11.60       70.42
1.000       1.000       148.0       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   30.27      2.8342E-05   116.2       78.89       189.4       94.79          UL-RL  1.7185E+05  -11.80       72.45
1.000       1.000       151.3       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  53 D   30.94      2.8242E-05   118.7       80.21       191.9       96.07          UL-RL  1.7185E+05  -12.00       74.48
1.000       1.000       154.7       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   31.61      2.8146E-05   121.3       81.52       194.5       97.34          UL-RL  1.7185E+05  -12.20       76.51
1.000       1.000       158.0       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   32.27      2.8052E-05   123.9       82.83       197.1       98.62          UL-RL  1.7185E+05  -12.40       78.54
1.000       1.000       161.4       0.000       0.000       63.00       63.00      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   32.94      2.7960E-05   126.4       84.13       199.6       99.90          UL-RL  1.7185E+05  -12.60       80.58
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1.000       1.000       164.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   33.61      2.7869E-05   129.0       85.44       202.2       101.2          UL-RL  1.7185E+05  -12.80       82.61
1.000       1.000       168.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   34.28      2.7780E-05   131.6       86.75       204.8       102.5          UL-RL  1.7185E+05  -13.00       84.64
1.000       1.000       171.4       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   34.95      2.7692E-05   134.1       88.06       207.3       103.7          UL-RL  1.7185E+05  -13.20       86.67
1.000       1.000       174.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   35.61      2.7605E-05   136.7       89.36       209.9       105.0          UL-RL  1.7185E+05  -13.40       88.70
1.000       1.000       178.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   36.28      2.7518E-05   139.3       90.67       212.5       106.3          UL-RL  1.7185E+05  -13.60       90.74
1.000       1.000       181.4       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   36.95      2.7431E-05   141.8       91.97       215.0       107.6          UL-RL  1.7185E+05  -13.80       92.77
1.000       1.000       184.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   37.61      2.7344E-05   144.4       93.27       217.6       108.9          UL-RL  1.7185E+05  -14.00       94.80
1.000       1.000       188.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   38.28      2.7258E-05   147.0       94.58       220.2       110.1          UL-RL  1.7185E+05  -14.20       96.83
1.000       1.000       191.4       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   38.95      2.7171E-05   149.5       95.88       222.7       111.4          UL-RL  1.7185E+05  -14.40       98.86
1.000       1.000       194.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   39.61      2.7085E-05   152.1       97.18       225.3       112.7          UL-RL  1.7185E+05  -14.60       100.9
1.000       1.000       198.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   40.28      2.6998E-05   154.7       98.48       227.9       114.0          UL-RL  1.7185E+05  -14.80       102.9
1.000       1.000       201.4       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   40.95      2.6912E-05   157.2       99.78       230.4       115.2          UL-RL  1.7185E+05  -15.00       105.0
1.000       1.000       204.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   41.61      2.6825E-05   159.8       101.1       233.0       116.5          UL-RL  1.7185E+05  -15.20       107.0
1.000       1.000       208.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   42.28      2.6738E-05   162.4       102.4       235.6       117.8          UL-RL  1.7185E+05  -15.40       109.0
1.000       1.000       211.4       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   42.95      2.6652E-05   164.9       103.7       238.1       119.1          UL-RL  1.7185E+05  -15.60       111.1
1.000       1.000       214.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   21.81      2.6565E-05   167.5       105.0       240.7       120.4          UL-RL  1.7185E+05  -15.80       113.1
1.000       1.000       218.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_9503   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   71
C U R R E N T   T I M E   I S   4.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

EL	TA	TB	MA	MB
1	3.10365E-11	-3.10365E-11	3.46034E-12	5.54223E-13
2	3.76303E-11	-3.76303E-11	6.69331E-12	5.65592E-12
3	-4.76348E-11	4.76348E-11	-6.30251E-12	-4.64695E-12
4	-6.25278E-12	6.25278E-12	-2.41585E-13	-6.62226E-12
5	1.47793E-12	-1.47793E-12	6.60094E-12	1.60583E-12
6	1.06866E-11	-1.06866E-11	4.40536E-13	-4.57590E-12
7	-9.43601E-12	9.43601E-12	5.57066E-12	1.81899E-12
8	0.19242	-0.19242	-3.30402E-12	3.84849E-02
9	1.8819	-1.8819	-3.84849E-02	0.41487
10	4.1329	-4.1329	-0.41487	1.2415
11	5.2226	-5.2226	-1.2415	2.2860
12	5.0218	-5.0218	-2.2860	3.2903
13	4.5566	-4.5566	-3.2903	4.2017
14	3.9725	-3.9725	-4.2017	4.9962
15	3.3360	-3.3360	-4.9962	5.6634
16	2.6841	-2.6841	-5.6634	6.2002
17	2.0668	-2.0668	-6.2002	6.6136
18	1.5028	-1.5028	-6.6136	6.9141
19	0.99255	-0.99255	-6.9141	7.1126
20	0.53560	-0.53560	-7.1126	7.2197
21	0.13059	-0.13059	-7.2197	7.2459
22	-0.22441	0.22441	-7.2459	7.2010
23	-0.53178	0.53178	-7.2010	7.0946
24	-0.79423	0.79423	-7.0946	6.9358
25	-1.0147	1.0147	-6.9358	6.7328
26	-1.1962	1.1962	-6.7328	6.4936
27	-1.3419	1.3419	-6.4936	6.2252
28	-1.4549	1.4549	-6.2252	5.9342
29	-1.5384	1.5384	-5.9342	5.6266
30	-1.5953	1.5953	-5.6266	5.3075
31	-1.6286	1.6286	-5.3075	4.9818
32	-1.6410	1.6410	-4.9818	4.6536
33	-1.6352	1.6352	-4.6536	4.3265
34	-1.6137	1.6137	-4.3265	4.0038
35	-1.5789	1.5789	-4.0038	3.6880
36	-1.5328	1.5328	-3.6880	3.3815
37	-1.4775	1.4775	-3.3815	3.0860
38	-1.4148	1.4148	-3.0860	2.8030
39	-1.3464	1.3464	-2.8030	2.5337
40	-1.2736	1.2736	-2.5337	2.2790
41	-1.1980	1.1980	-2.2790	2.0394
42	-1.1205	1.1205	-2.0394	1.8153
43	-1.0424	1.0424	-1.8153	1.6068
44	-0.96438	0.96438	-1.6068	1.4139
45	-0.88736	0.88736	-1.4139	1.2365
46	-0.81196	0.81196	-1.2365	1.0741
47	-0.73874	0.73874	-1.0741	0.92633
48	-0.66816	0.66816	-0.92633	0.79270
49	-0.60060	0.60060	-0.79270	0.67258
50	-0.53634	0.53634	-0.67258	0.56531
51	-0.47562	0.47562	-0.56531	0.47019
52	-0.41857	0.41857	-0.47019	0.38647
53	-0.36532	0.36532	-0.38647	0.31341
54	-0.31591	0.31591	-0.31341	0.25022
55	-0.27036	0.27036	-0.25022	0.19615
56	-0.22864	0.22864	-0.19615	0.15042
57	-0.19072	0.19072	-0.15042	0.11228
58	-0.15650	0.15650	-0.11228	8.09808E-02
59	-0.12590	0.12590	-8.09808E-02	5.58000E-02
60	-9.88221E-02	9.88221E-02	-5.58000E-02	3.60355E-02
61	-7.51358E-02	7.51358E-02	-3.60355E-02	2.10084E-02
62	-5.47207E-02	5.47207E-02	-2.10084E-02	1.00643E-02
63	-3.74482E-02	3.74482E-02	-1.00643E-02	2.57460E-03
64	-2.31883E-02	2.31883E-02	-2.57460E-03	-2.06306E-03
65	-1.18113E-02	1.18113E-02	2.06306E-03	-4.42533E-03
66	-3.18990E-03	3.18990E-03	4.42533E-03	-5.06331E-03
67	2.79962E-03	-2.79962E-03	5.06331E-03	-4.50338E-03
68	6.27639E-03	-6.27639E-03	4.50338E-03	-3.24811E-03
69	7.35443E-03	-7.35443E-03	3.24811E-03	-1.77722E-03
70	6.14238E-03	-6.14238E-03	1.77722E-03	-5.48745E-04

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   71 2.74359E-03-2.74359E-03 5.48745E-04 1.10939E-12

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6514E+05 RIMNOR= 1804.
           RENORM= 997.8     REMNOR=0.2232E-21 RATIO =0.1238     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 41.11     RMMAX = 7.246
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.6514E+05 RDR   = 1804.
           RATIOT=0.1238     RATIOR= 0.000
           MAX UN= 8.041     IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           MIN UN=-.4138E-10 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6514E+05 RIMNOR= 1804.
           RENORM= 26.02     REMNOR=0.1754E-19 RATIO =0.1999E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 41.11     RMMAX = 7.246
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.6514E+05 RDR   = 1804.
           RATIOT=0.1999E-01 RATIOR= 0.000
           MAX UN= 4.534     IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN=-.4951E-09 IEQ=    25 NODE     13 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6514E+05 RIMNOR= 1804.
           RENORM=0.4311     REMNOR=0.5026E-20 RATIO =0.2573E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 41.11     RMMAX = 7.246
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.6514E+05 RDR   = 1804.
           RATIOT=0.2573E-02 RATIOR= 0.000
           MAX UN=0.6562     IEQ=    25 NODE     13 DOF   1  Y-DISPL.F
           MIN UN=-.2436E-09 IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6514E+05 RIMNOR= 1804.
           RENORM=0.1687E-17 REMNOR=0.3384E-20 RATIO =0.5089E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 41.11     RMMAX = 7.246
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.6514E+05 RDR   = 1804.
           RATIOT=0.5089E-11 RATIOR= 0.000
           MAX UN=0.4653E-09 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN=-.3906E-09 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :27 January 2022   16:36:09                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     4 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    5     ( AT TIME   5.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
    1   2.7770711E-04  -2.3863550E-05
    2   2.7293440E-04  -2.3863550E-05
    3   2.6816169E-04  -2.3863550E-05
    4   2.6338898E-04  -2.3863550E-05
    5   2.5861627E-04  -2.3863550E-05
    6   2.5384356E-04  -2.3863550E-05
    7   2.4907085E-04  -2.3863550E-05
    8   2.4429814E-04  -2.3863550E-05
    9   2.3952543E-04  -2.3863550E-05
   10   2.3475272E-04  -2.3863550E-05
   11   2.2998001E-04  -2.3863550E-05
   12   2.2520730E-04  -2.3863550E-05
   13   2.2043459E-04  -2.3863550E-05
   14   2.1566188E-04  -2.3863550E-05
   15   2.1185350E-04  -2.3863550E-05
   16   2.0919376E-04  -2.3861813E-05
   17   2.0510522E-04  -2.3853260E-05
   18   2.0027168E-04  -2.3829177E-05
   19   1.9544514E-04  -2.3776584E-05
   20   1.9063298E-04  -2.3678032E-05
   21   1.8584658E-04  -2.3511635E-05
   22   1.8110218E-04  -2.3249956E-05
   23   1.7642053E-04  -2.2883559E-05
   24   1.7182140E-04  -2.2424654E-05
   25   1.6732204E-04  -2.1885549E-05
   26   1.6293734E-04  -2.1278117E-05
   27   1.5867985E-04  -2.0613683E-05
   28   1.5455989E-04  -1.9902927E-05
   29   1.5058577E-04  -1.9155815E-05
   30   1.4676379E-04  -1.8381559E-05
   31   1.4309855E-04  -1.7588615E-05
   32   1.3959301E-04  -1.6784679E-05
   33   1.3624869E-04  -1.5976698E-05
   34   1.3306576E-04  -1.5170892E-05
   35   1.3004323E-04  -1.4372786E-05
   36   1.2717907E-04  -1.3587237E-05
   37   1.2447035E-04  -1.2818478E-05
   38   1.2191333E-04  -1.2070138E-05
   39   1.1950362E-04  -1.1345307E-05
   40   1.1723625E-04  -1.0646555E-05
   41   1.1510580E-04  -9.9759811E-06
   42   1.1310647E-04  -9.3352498E-06
   43   1.1123215E-04  -8.7256204E-06
   44   1.0947648E-04  -8.1479866E-06
   45   1.0783318E-04  -7.6029820E-06
   46   1.0629548E-04  -7.0908230E-06
   47   1.0485689E-04  -6.6115616E-06
   48   1.0351086E-04  -6.1649901E-06
   49   1.0225087E-04  -5.7506956E-06
   50   1.0107054E-04  -5.3680861E-06
   51   9.9963605E-05  -5.0164135E-06
   52   9.8923960E-05  -4.6947948E-06
   53   9.7945696E-05  -4.4022316E-06
   54   9.7023112E-05  -4.1376274E-06
   55   9.6150733E-05  -3.8998026E-06
   56   9.5323328E-05  -3.6875089E-06
   57   9.4535923E-05  -3.4994408E-06
   58   9.3783806E-05  -3.3342455E-06
   59   9.3062544E-05  -3.1905323E-06
   60   9.2367981E-05  -3.0668795E-06
   61   9.1696252E-05  -2.9618399E-06
   62   9.1043780E-05  -2.8739461E-06
   63   9.0407286E-05  -2.8017134E-06
   64   8.9783787E-05  -2.7436422E-06
   65   8.9170602E-05  -2.6982198E-06
   66   8.8565355E-05  -2.6639205E-06
   67   8.7965976E-05  -2.6392054E-06
   68   8.7370702E-05  -2.6225222E-06
   69   8.6778085E-05  -2.6123029E-06
   70   8.6186990E-05  -2.6069627E-06
   71   8.5596602E-05  -2.6048976E-06
   72   8.5006399E-05  -2.6044820E-06
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                  Exe Time :27 January 2022   16:36:09                                                 |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      5.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -2.7771E-04   0.000       0.000       32.00       16.00          ACTIVE   0.000      -1.600       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D   0.000     -2.7293E-04   4.000       0.000       36.00       18.00          ACTIVE   0.000      -1.800       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   0.000     -2.6816E-04   8.000       0.000       40.00       20.00          ACTIVE   0.000      -2.000       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   0.000     -2.6339E-04   12.00       0.000       44.00       22.00          ACTIVE   0.000      -2.200       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   0.000     -2.5862E-04   16.00       0.000       48.00       24.00          ACTIVE   0.000      -2.400       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   0.000     -2.5384E-04   20.00       0.000       52.00       26.00          ACTIVE   0.000      -2.600       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   0.000     -2.4907E-04   24.00       0.000       56.00       28.00          ACTIVE   0.000      -2.800       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   0.000     -2.4430E-04   28.00       0.000       60.00       30.00          ACTIVE   0.000      -3.000       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   0.000     -2.3953E-04   32.00       0.000       64.00       32.00          ACTIVE   0.000      -3.200       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   0.000     -2.3475E-04   36.60       0.000       68.60       34.30          ACTIVE   0.000      -3.400       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   0.000     -2.2998E-04   41.20       0.000       73.20       36.60          ACTIVE   0.000      -3.600       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   0.000     -2.2521E-04   45.80       0.000       77.80       38.90          ACTIVE   0.000      -3.800       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   0.000     -2.2043E-04   50.40       0.000       82.40       41.20          ACTIVE   0.000      -4.000       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   0.000     -2.1566E-04   55.00       0.000       87.00       43.50          ACTIVE   0.000      -4.200       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D  0.4234     -2.1185E-04   59.60       2.117       90.70       45.35            UL-RL  1.3422E+05  -4.400       0.000
1.000       1.000       2.117       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D  0.8146     -2.0919E-04   64.20       4.073       93.33       46.67            UL-RL  1.3422E+05  -4.600       0.000
1.000       1.000       4.073       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   1.309     -2.0511E-04   68.80       6.545       95.96       47.98            UL-RL  1.3422E+05  -4.800       0.000
1.000       1.000       6.545       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   1.855     -2.0027E-04   73.40       9.277       98.60       49.30            UL-RL  1.3422E+05  -5.000       0.000
1.000       1.000       9.277       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   2.397     -1.9545E-04   78.00       11.99       101.2       50.61            UL-RL  1.3422E+05  -5.200       0.000
1.000       1.000       11.99       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   2.937     -1.9063E-04   82.58       14.67       103.9       51.93            UL-RL  1.3422E+05  -5.400      1.7396E-02
1.000       1.000       14.69       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   3.750     -1.8585E-04   85.25       16.80       106.5       53.25            UL-RL  1.3422E+05  -5.600       1.951
1.000       1.000       18.75       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   4.560     -1.8110E-04   87.91       18.91       109.1       54.56            UL-RL  1.3422E+05  -5.800       3.885
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1.000       1.000       22.80       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   5.366     -1.7642E-04   90.58       21.01       111.8       55.88          UL-RL  1.3422E+05  -6.000       5.819
1.000       1.000       26.83       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   6.169     -1.7182E-04   93.25       23.09       114.4       57.19          UL-RL  1.3422E+05  -6.200       7.753
1.000       1.000       30.84       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   6.967     -1.6732E-04   95.91       25.15       117.0       58.51          UL-RL  1.3422E+05  -6.400       9.687
1.000       1.000       34.84       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   7.761     -1.6294E-04   98.58       27.18       119.6       59.82          UL-RL  1.3422E+05  -6.600       11.62
1.000       1.000       38.80       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   8.549     -1.5868E-04   101.2       29.19       122.3       61.14          UL-RL  1.3422E+05  -6.800       13.56
1.000       1.000       42.75       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   9.333     -1.5456E-04   103.9       31.17       124.9       62.46          UL-RL  1.3422E+05  -7.000       15.49
1.000       1.000       46.66       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   10.11     -1.5059E-04   106.6       33.13       127.5       63.77          UL-RL  1.3422E+05  -7.200       17.42
1.000       1.000       50.55       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   10.88     -1.4676E-04   109.2       35.06       130.2       65.09          UL-RL  1.3422E+05  -7.400       19.36
1.000       1.000       54.42       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   11.65     -1.4310E-04   111.9       36.96       132.8       66.40          UL-RL  1.3422E+05  -7.600       21.29
1.000       1.000       58.25       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   12.41     -1.3959E-04   114.6       38.84       135.4       67.72          UL-RL  1.3422E+05  -7.800       23.22
1.000       1.000       62.06       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   13.17     -1.3625E-04   117.2       40.68       138.1       69.04          UL-RL  1.3422E+05  -8.000       25.16
1.000       1.000       65.84       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   13.92     -1.3307E-04   119.9       42.50       140.7       70.35          UL-RL  1.3422E+05  -8.200       27.09
1.000       1.000       69.60       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   14.66     -1.3004E-04   122.6       44.30       143.3       71.67          UL-RL  1.3422E+05  -8.400       29.03
1.000       1.000       73.32       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   15.41     -1.2718E-04   125.2       46.07       146.0       72.98          UL-RL  1.3422E+05  -8.600       30.96
1.000       1.000       77.03       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   16.14     -1.2447E-04   127.9       47.81       148.6       74.30          UL-RL  1.3422E+05  -8.800       32.89
1.000       1.000       80.70       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   16.87     -1.2191E-04   130.6       49.53       151.2       75.62          UL-RL  1.3422E+05  -9.000       34.83
1.000       1.000       84.36       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   17.60     -1.1950E-04   133.2       51.22       153.9       76.93          UL-RL  1.3422E+05  -9.200       36.76
1.000       1.000       87.98       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   18.32     -1.1724E-04   135.9       52.90       156.5       78.25          UL-RL  1.3422E+05  -9.400       38.70
1.000       1.000       91.59       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   19.04     -1.1511E-04   138.6       54.55       159.1       79.56          UL-RL  1.3422E+05  -9.600       40.63
1.000       1.000       95.18       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   19.75     -1.1311E-04   141.2       56.18       161.8       80.88          UL-RL  1.3422E+05  -9.800       42.56
1.000       1.000       98.74       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   20.46     -1.1123E-04   143.9       57.79       164.4       82.20          UL-RL  1.3422E+05  -10.00       44.50
1.000       1.000       102.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   21.16     -1.0948E-04   146.6       59.38       167.0       83.51          UL-RL  1.3422E+05  -10.20       46.43
1.000       1.000       105.8       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   21.87     -1.0783E-04   149.2       60.96       169.7       84.83          UL-RL  1.3422E+05  -10.40       48.37
1.000       1.000       109.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   22.56     -1.0630E-04   151.9       62.52       172.3       86.14          UL-RL  1.3422E+05  -10.60       50.30
1.000       1.000       112.8       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   23.26     -1.0486E-04   154.6       64.07       174.9       87.46          UL-RL  1.3422E+05  -10.80       52.23
1.000       1.000       116.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   23.95     -1.0351E-04   157.2       65.60       177.5       88.77          UL-RL  1.3422E+05  -11.00       54.17
1.000       1.000       119.8       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   24.64     -1.0225E-04   159.9       67.12       180.2       90.09          UL-RL  1.3422E+05  -11.20       56.10
1.000       1.000       123.2       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   25.33     -1.0107E-04   162.6       68.63       182.8       91.41          UL-RL  1.3422E+05  -11.40       58.04
1.000       1.000       126.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   26.02     -9.9964E-05   165.2       70.13       185.4       92.72          UL-RL  1.3422E+05  -11.60       59.97
1.000       1.000       130.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   26.70     -9.8924E-05   167.9       71.62       188.1       94.04          UL-RL  1.3422E+05  -11.80       61.90
1.000       1.000       133.5       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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53 D	27.39	-9.7946E-05	170.6	73.10	190.7	95.35	UL-RL	1.3422E+05	-12.00	63.84
1.000	1.000	136.9	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
54 D	28.07	-9.7023E-05	173.2	74.57	193.3	96.67	UL-RL	1.3422E+05	-12.20	65.77
1.000	1.000	140.3	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
55 D	28.75	-9.6151E-05	175.9	76.03	196.0	97.99	UL-RL	1.3422E+05	-12.40	67.71
1.000	1.000	143.7	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
56 D	29.43	-9.5323E-05	178.6	77.49	198.6	99.30	UL-RL	1.3422E+05	-12.60	69.64
1.000	1.000	147.1	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
57 D	30.10	-9.4536E-05	181.2	78.94	201.2	100.6	UL-RL	1.3422E+05	-12.80	71.57
1.000	1.000	150.5	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
58 D	30.78	-9.3784E-05	183.9	80.39	203.9	101.9	UL-RL	1.3422E+05	-13.00	73.51
1.000	1.000	153.9	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
59 D	31.45	-9.3063E-05	186.6	81.83	206.5	103.2	UL-RL	1.3422E+05	-13.20	75.44
1.000	1.000	157.3	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
60 D	32.13	-9.2368E-05	189.2	83.27	209.1	104.6	UL-RL	1.3422E+05	-13.40	77.38
1.000	1.000	160.6	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
61 D	32.80	-9.1696E-05	191.9	84.71	211.8	105.9	UL-RL	1.3422E+05	-13.60	79.31
1.000	1.000	164.0	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
62 D	33.48	-9.1044E-05	194.6	86.14	214.4	107.2	UL-RL	1.3422E+05	-13.80	81.24
1.000	1.000	167.4	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
63 D	34.15	-9.0407E-05	197.2	87.57	217.0	108.5	UL-RL	1.3422E+05	-14.00	83.18
1.000	1.000	170.7	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
64 D	34.82	-8.9784E-05	199.9	89.00	219.7	109.8	UL-RL	1.3422E+05	-14.20	85.11
1.000	1.000	174.1	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
65 D	35.49	-8.9171E-05	202.6	90.43	222.3	111.1	UL-RL	1.3422E+05	-14.40	87.05
1.000	1.000	177.5	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
66 D	36.17	-8.8565E-05	205.2	91.85	224.9	112.5	UL-RL	1.3422E+05	-14.60	88.98
1.000	1.000	180.8	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
67 D	36.84	-8.7966E-05	207.9	93.28	227.6	113.8	UL-RL	1.3422E+05	-14.80	90.91
1.000	1.000	184.2	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
68 D	37.51	-8.7371E-05	210.6	94.71	230.2	115.1	UL-RL	1.3422E+05	-15.00	92.85
1.000	1.000	187.6	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
69 D	38.18	-8.6778E-05	213.2	96.13	232.8	116.4	UL-RL	1.3422E+05	-15.20	94.78
1.000	1.000	190.9	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
70 D	38.85	-8.6187E-05	215.9	97.56	235.5	117.7	UL-RL	1.3422E+05	-15.40	96.72
1.000	1.000	194.3	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
71 D	39.53	-8.5597E-05	218.6	98.98	238.1	119.0	UL-RL	1.3422E+05	-15.60	98.65
1.000	1.000	197.6	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
72 D	20.10	-8.5006E-05	221.2	100.4	240.7	120.4	UL-RL	1.3422E+05	-15.80	100.6
1.000	1.000	201.0	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:36:09                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      5.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                             ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1     0.000         --          --          --          --          --         REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --         REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --         REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --         REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --         REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --         REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --         REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --         REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --         REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --         REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --         REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --         REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --         REMOVED     --       -4.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --         REMOVED     --       -4.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --         REMOVED     --       -4.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --         REMOVED     --       -4.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --         REMOVED     --       -4.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --         REMOVED     --       -5.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --         REMOVED     --       -5.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --         REMOVED     --       -5.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --         REMOVED     --       -5.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  22 D   6.010      1.8110E-04   4.600       30.05       112.3       56.43          UL-RL  8.5927E+04  -5.800       0.000
1.000       1.000       30.05       0.000       0.000       63.00       63.00     Sch_168_2687_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   6.892      1.7642E-04   9.200       34.46       114.9       57.71          UL-RL  8.5927E+04  -6.000       0.000
1.000       1.000       34.46       0.000       0.000       63.00       63.00     Sch_168_2687_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   7.644      1.7182E-04   12.39       36.81       117.4       58.99          UL-RL  8.5927E+04  -6.200       1.413
1.000       1.000       38.22       0.000       0.000       63.00       63.00     Sch_168_2687_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   8.385      1.6732E-04   14.92       38.44       120.0       60.27          UL-RL  8.5927E+04  -6.400       3.479
1.000       1.000       41.92       0.000       0.000       63.00       63.00     Sch_168_2687_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   9.104      1.6294E-04   17.46       39.98       122.6       61.55          UL-RL  8.5927E+04  -6.600       5.545
1.000       1.000       45.52       0.000       0.000       63.00       63.00     Sch_168_2687_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   9.809      1.5868E-04   19.99       41.43       125.1       62.83          UL-RL  8.5927E+04  -6.800       7.611
1.000       1.000       49.04       0.000       0.000       63.00       63.00     Sch_168_2687_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   10.50      1.5456E-04   22.52       42.83       127.7       64.10          UL-RL  8.5927E+04  -7.000       9.677
1.000       1.000       52.51       0.000       0.000       63.00       63.00     Sch_168_2687_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   11.19      1.5059E-04   25.06       44.20       130.3       65.38          UL-RL  8.5927E+04  -7.200       11.74
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1.000       1.000       55.94       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   11.87      1.4676E-04   27.59       45.53       132.9       66.66          UL-RL  8.5927E+04  -7.400       13.81
1.000       1.000       59.34       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   12.54      1.4310E-04   30.12       46.84       135.4       67.94          UL-RL  8.5927E+04  -7.600       15.88
1.000       1.000       62.71       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   13.21      1.3959E-04   32.66       48.13       138.0       69.22          UL-RL  8.5927E+04  -7.800       17.94
1.000       1.000       66.07       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   13.88      1.3625E-04   35.19       49.41       140.6       70.50          UL-RL  8.5927E+04  -8.000       20.01
1.000       1.000       69.42       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   14.55      1.3307E-04   37.73       50.68       143.1       71.77          UL-RL  8.5927E+04  -8.200       22.07
1.000       1.000       72.76       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   15.22      1.3004E-04   40.26       51.95       145.7       73.05          UL-RL  8.5927E+04  -8.400       24.14
1.000       1.000       76.09       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   15.88      1.2718E-04   42.79       53.21       148.3       74.33          UL-RL  8.5927E+04  -8.600       26.21
1.000       1.000       79.42       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   16.55      1.2447E-04   45.33       54.47       150.8       75.61          UL-RL  8.5927E+04  -8.800       28.27
1.000       1.000       82.75       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   17.21      1.2191E-04   47.86       55.74       153.4       76.89          UL-RL  8.5927E+04  -9.000       30.34
1.000       1.000       86.07       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   17.88      1.1950E-04   50.40       57.00       156.0       78.17          UL-RL  8.5927E+04  -9.200       32.40
1.000       1.000       89.40       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   18.55      1.1724E-04   52.93       58.26       158.5       79.45          UL-RL  8.5927E+04  -9.400       34.47
1.000       1.000       92.73       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   19.21      1.1511E-04   55.46       59.53       161.1       80.72          UL-RL  8.5927E+04  -9.600       36.54
1.000       1.000       96.06       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   19.88      1.1311E-04   58.00       60.80       163.7       82.00          UL-RL  8.5927E+04  -9.800       38.60
1.000       1.000       99.40       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   20.55      1.1123E-04   60.53       62.07       166.2       83.28          UL-RL  8.5927E+04  -10.00       40.67
1.000       1.000       102.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   21.22      1.0948E-04   63.07       63.34       168.8       84.56          UL-RL  8.5927E+04  -10.20       42.73
1.000       1.000       106.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   21.88      1.0783E-04   65.60       64.62       171.4       85.84          UL-RL  8.5927E+04  -10.40       44.80
1.000       1.000       109.4       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   22.55      1.0630E-04   68.13       65.90       173.9       87.12          UL-RL  8.5927E+04  -10.60       46.87
1.000       1.000       112.8       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   23.22      1.0486E-04   70.67       67.18       176.5       88.39          UL-RL  8.5927E+04  -10.80       48.93
1.000       1.000       116.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   23.89      1.0351E-04   73.20       68.46       179.1       89.67          UL-RL  8.5927E+04  -11.00       51.00
1.000       1.000       119.5       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   24.56      1.0225E-04   75.74       69.75       181.6       90.95          UL-RL  8.5927E+04  -11.20       53.06
1.000       1.000       122.8       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   25.23      1.0107E-04   78.27       71.04       184.2       92.23          UL-RL  8.5927E+04  -11.40       55.13
1.000       1.000       126.2       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   25.90      9.9964E-05   80.80       72.33       186.8       93.51          UL-RL  8.5927E+04  -11.60       57.20
1.000       1.000       129.5       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   26.58      9.8924E-05   83.34       73.62       189.4       94.79          UL-RL  8.5927E+04  -11.80       59.26
1.000       1.000       132.9       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  53 D   27.25      9.7946E-05   85.87       74.91       191.9       96.07          UL-RL  8.5927E+04  -12.00       61.33
1.000       1.000       136.2       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   27.92      9.7023E-05   88.41       76.20       194.5       97.34          UL-RL  8.5927E+04  -12.20       63.39
1.000       1.000       139.6       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   28.59      9.6151E-05   90.94       77.50       197.1       98.62          UL-RL  8.5927E+04  -12.40       65.46
1.000       1.000       143.0       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   29.26      9.5323E-05   93.47       78.79       199.6       99.90          UL-RL  8.5927E+04  -12.60       67.53
1.000       1.000       146.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   29.94      9.4536E-05   96.01       80.09       202.2       101.2          UL-RL  8.5927E+04  -12.80       69.59
1.000       1.000       149.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   30.61      9.3784E-05   98.54       81.38       204.8       102.5          UL-RL  8.5927E+04  -13.00       71.66
1.000       1.000       153.0       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   31.28      9.3063E-05   101.1       82.67       207.3       103.7          UL-RL  8.5927E+04  -13.20       73.72
1.000       1.000       156.4       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
```

60 D	31.95	9.2368E-05	103.6	83.97	209.9	105.0	UL-RL	8.5927E+04	-13.40	75.79
1.000	1.000	159.8	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
61 D	32.62	9.1696E-05	106.1	85.26	212.5	106.3	UL-RL	8.5927E+04	-13.60	77.86
1.000	1.000	163.1	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
62 D	33.29	9.1044E-05	108.7	86.55	215.0	107.6	UL-RL	8.5927E+04	-13.80	79.92
1.000	1.000	166.5	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
63 D	33.97	9.0407E-05	111.2	87.84	217.6	108.9	UL-RL	8.5927E+04	-14.00	81.99
1.000	1.000	169.8	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
64 D	34.64	8.9784E-05	113.7	89.13	220.2	110.1	UL-RL	8.5927E+04	-14.20	84.05
1.000	1.000	173.2	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
65 D	35.31	8.9171E-05	116.3	90.42	222.7	111.4	UL-RL	8.5927E+04	-14.40	86.12
1.000	1.000	176.5	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
66 D	35.98	8.8565E-05	118.8	91.71	225.3	112.7	UL-RL	8.5927E+04	-14.60	88.19
1.000	1.000	179.9	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
67 D	36.65	8.7966E-05	121.3	92.99	227.9	114.0	UL-RL	8.5927E+04	-14.80	90.25
1.000	1.000	183.2	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
68 D	37.32	8.7371E-05	123.9	94.27	230.4	115.2	UL-RL	8.5927E+04	-15.00	92.32
1.000	1.000	186.6	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
69 D	37.99	8.6778E-05	126.4	95.56	233.0	116.5	UL-RL	8.5927E+04	-15.20	94.38
1.000	1.000	189.9	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
70 D	38.66	8.6187E-05	128.9	96.84	235.6	117.8	UL-RL	8.5927E+04	-15.40	96.45
1.000	1.000	193.3	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
71 D	39.33	8.5597E-05	131.5	98.11	238.1	119.1	UL-RL	8.5927E+04	-15.60	98.52
1.000	1.000	196.6	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
72 D	20.00	8.5006E-05	134.0	99.39	240.7	120.4	UL-RL	8.5927E+04	-15.80	100.6
1.000	1.000	200.0	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						

New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_9503   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   71
C U R R E N T   T I M E   I S   5.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

EL	TA	TB	MA	MB
1	-1.88379E-10	1.88379E-10	-1.89573E-11	-6.99174E-12
2	1.54273E-10	-1.54273E-10	3.91864E-12	3.78506E-11
3	6.19593E-12	-6.19593E-12	-2.07230E-11	4.24549E-11
4	-8.32756E-11	8.32756E-11	-4.96065E-11	2.47056E-11
5	1.63595E-10	-1.63595E-10	-1.62927E-11	5.58629E-11
6	-1.84116E-10	1.84116E-10	-5.76748E-11	3.01696E-11
7	2.06455E-10	-2.06455E-10	-2.67875E-11	7.35270E-11
8	-2.58808E-10	2.58808E-10	-7.77689E-11	2.25953E-12
9	2.79670E-11	-2.79670E-11	-2.41371E-11	4.33573E-11
10	-7.61702E-11	7.61702E-11	-4.71019E-11	1.26619E-11
11	-9.09495E-13	9.09495E-13	-1.91918E-11	-1.46230E-11
12	6.41194E-11	-6.41194E-11	2.23821E-11	3.62377E-11
13	2.35900E-11	-2.35900E-11	-2.58957E-11	8.68994E-12
14	2.91802E-11	-2.91802E-11	-1.75682E-12	1.19087E-11
15	0.42341	-0.42341	-2.17177E-11	8.46825E-02
16	1.2380	-1.2380	-8.46825E-02	0.33229
17	2.5470	-2.5470	-0.33229	0.84169
18	4.4023	-4.4023	-0.84169	1.7221
19	6.7996	-6.7996	-1.7221	3.0821
20	9.7370	-9.7370	-3.0821	5.0295
21	13.487	-13.487	-5.0295	7.7269
22	12.037	-12.037	-7.7269	10.134
23	10.511	-10.511	-10.134	12.237
24	9.0358	-9.0358	-12.237	14.044
25	7.6184	-7.6184	-14.044	15.567
26	6.2751	-6.2751	-15.567	16.822
27	5.0158	-5.0158	-16.822	17.826
28	3.8462	-3.8462	-17.826	18.595
29	2.7693	-2.7693	-18.595	19.149
30	1.7855	-1.7855	-19.149	19.506
31	0.89384	-0.89384	-19.506	19.685
32	9.22070E-02	-9.22070E-02	-19.685	19.703
33	-0.62252	0.62252	-19.703	19.578
34	-1.2541	1.2541	-19.578	19.328
35	-1.8067	1.8067	-19.328	18.966
36	-2.2848	2.2848	-18.966	18.509
37	-2.6932	2.6932	-18.509	17.971
38	-3.0367	3.0367	-17.971	17.363
39	-3.3200	3.3200	-17.363	16.699
40	-3.5479	3.5479	-16.699	15.990
41	-3.7252	3.7252	-15.990	15.245
42	-3.8563	3.8563	-15.245	14.473
43	-3.9457	3.9457	-14.473	13.684
44	-3.9973	3.9973	-13.684	12.885
45	-4.0153	4.0153	-12.885	12.082
46	-4.0032	4.0032	-12.082	11.281
47	-3.9646	3.9646	-11.281	10.488
48	-3.9026	3.9026	-10.488	9.7077
49	-3.8203	3.8203	-9.7077	8.9437
50	-3.7203	3.7203	-8.9437	8.1996
51	-3.6051	3.6051	-8.1996	7.4786
52	-3.4769	3.4769	-7.4786	6.7832
53	-3.3378	3.3378	-6.7832	6.1157
54	-3.1895	3.1895	-6.1157	5.4778
55	-3.0335	3.0335	-5.4778	4.8711
56	-2.8712	2.8712	-4.8711	4.2968
57	-2.7038	2.7038	-4.2968	3.7561
58	-2.5322	2.5322	-3.7561	3.2496
59	-2.3573	2.3573	-3.2496	2.7782
60	-2.1795	2.1795	-2.7782	2.3423
61	-1.9996	1.9996	-2.3423	1.9424
62	-1.8177	1.8177	-1.9424	1.5788
63	-1.6341	1.6341	-1.5788	1.2520
64	-1.4489	1.4489	-1.2520	0.96223
65	-1.2622	1.2622	-0.96223	0.70979
66	-1.0739	1.0739	-0.70979	0.49502
67	-0.88379	0.88379	-0.49502	0.31826
68	-0.69174	0.69174	-0.31826	0.17991
69	-0.49749	0.49749	-0.17991	8.04122E-02
70	-0.30077	0.30077	-8.04122E-02	2.02575E-02

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   71-0.10128     0.10128    -2.02575E-02-3.55888E-12

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4240E+05 RIMNOR=0.1511E+05
           RENORM= 1728.     REMNOR=0.3384E-20 RATIO =0.2019     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 35.97     RMMAX = 19.70
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.4240E+05 RDR   =0.1511E+05
           RATIOT=0.2019     RATIOR= 0.000
           MAX UN= 10.75     IEQ=    65 NODE     33 DOF   1  Y-DISPL.F
           MIN UN=-.2818     IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4240E+05 RIMNOR=0.1511E+05
           RENORM= 26.70     REMNOR=0.1202E-18 RATIO =0.2509E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 35.97     RMMAX = 19.70
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.4240E+05 RDR   =0.1511E+05
           RATIOT=0.2509E-01 RATIOR= 0.000
           MAX UN= 2.508     IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           MIN UN=-.1282E-08 IEQ=    69 NODE     35 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4240E+05 RIMNOR=0.1511E+05
           RENORM= 4.311     REMNOR=0.7811E-19 RATIO =0.1008E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 35.97     RMMAX = 19.70
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.4240E+05 RDR   =0.1511E+05
           RATIOT=0.1008E-01 RATIOR= 0.000
           MAX UN= 1.684     IEQ=    43 NODE     22 DOF   1  Y-DISPL.F
           MIN UN=-.2040E-08 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4240E+05 RIMNOR=0.1511E+05
           RENORM=0.7556E-01 REMNOR=0.3655E-19 RATIO =0.1335E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 35.97     RMMAX = 19.70
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.4240E+05 RDR   =0.1511E+05
           RATIOT=0.1335E-02 RATIOR= 0.000
           MAX UN=0.2749     IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           MIN UN=-.1053E-08 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4240E+05 RIMNOR=0.1511E+05
           RENORM=0.8497E-17 REMNOR=0.3496E-19 RATIO =0.1416E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 35.97     RMMAX = 19.70
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.4240E+05 RDR   =0.1511E+05
           RATIOT=0.1416E-10 RATIOR= 0.000
           MAX UN=0.8666E-09 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           MIN UN=-.1036E-08 IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*              |
|                                                                                                                         |
|                                                ParatiePlus                                                              |
|                                  Exe Time :27 January 2022   16:36:09                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    6     ( AT TIME   6.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
    1   7.4976975E-04  -4.8190909E-05
    2   7.4013157E-04  -4.8190909E-05
    3   7.3049339E-04  -4.8190909E-05
    4   7.2085521E-04  -4.8190909E-05
    5   7.1121703E-04  -4.8190909E-05
    6   7.0157885E-04  -4.8190909E-05
    7   6.9194066E-04  -4.8190909E-05
    8   6.8230248E-04  -4.8190909E-05
    9   6.7266430E-04  -4.8190909E-05
   10   6.6302612E-04  -4.8190909E-05
   11   6.5338794E-04  -4.8190909E-05
   12   6.4374976E-04  -4.8190909E-05
   13   6.3411157E-04  -4.8190909E-05
   14   6.2447339E-04  -4.8190909E-05
   15   6.1579955E-04  -4.8190909E-05
   16   6.0827421E-04  -4.8190909E-05
   17   5.9931917E-04  -4.8190909E-05
   18   5.8961603E-04  -4.8190909E-05
   19   5.7991252E-04  -4.8190909E-05
   20   5.7020857E-04  -4.8190909E-05
   21   5.6050429E-04  -4.8190909E-05
   22   5.5079971E-04  -4.8190909E-05
   23   5.4109487E-04  -4.8190909E-05
   24   5.3138984E-04  -4.8190909E-05
   25   5.2168456E-04  -4.8190909E-05
   26   5.1197909E-04  -4.8190909E-05
   27   5.0227353E-04  -4.8189707E-05
   28   4.9256854E-04  -4.8182476E-05
   29   4.8286628E-04  -4.8159556E-05
   30   4.7317117E-04  -4.8106482E-05
   31   4.6349114E-04  -4.8004022E-05
   32   4.5383840E-04  -4.7828042E-05
   33   4.4423058E-04  -4.7548386E-05
   34   4.3469201E-04  -4.7127930E-05
   35   4.2525301E-04  -4.6554573E-05
   36   4.1594243E-04  -4.5846329E-05
   37   4.0678533E-04  -4.5022824E-05
   38   3.9780276E-04  -4.4103061E-05
   39   3.8901225E-04  -4.3104475E-05
   40   3.8042795E-04  -4.2043027E-05
   41   3.7206092E-04  -4.0933638E-05
   42   3.6391940E-04  -3.9790182E-05
   43   3.5600882E-04  -3.8625462E-05
   44   3.4833209E-04  -3.7451230E-05
   45   3.4089078E-04  -3.6278355E-05
   46   3.3368269E-04  -3.5116446E-05
   47   3.2670511E-04  -3.3974353E-05
   48   3.1995328E-04  -3.2859926E-05
   49   3.1342096E-04  -3.1780119E-05
   50   3.0710060E-04  -3.0741016E-05
   51   3.0098352E-04  -2.9747868E-05
   52   2.9506008E-04  -2.8805131E-05
   53   2.8931981E-04  -2.7916494E-05
   54   2.8375158E-04  -2.7084912E-05
   55   2.7834376E-04  -2.6312640E-05
   56   2.7308431E-04  -2.5601255E-05
   57   2.6796095E-04  -2.4951687E-05
   58   2.6296127E-04  -2.4364238E-05
   59   2.5807288E-04  -2.3838606E-05
   60   2.5328349E-04  -2.3373904E-05
   61   2.4858106E-04  -2.2968671E-05
   62   2.4395387E-04  -2.2620891E-05
   63   2.3939070E-04  -2.2327999E-05
   64   2.3488085E-04  -2.2086895E-05
   65   2.3041434E-04  -2.1893942E-05
   66   2.2598194E-04  -2.1744979E-05
   67   2.2157531E-04  -2.1635313E-05
   68   2.1718711E-04  -2.1559730E-05
   69   2.1281108E-04  -2.1512482E-05
   70   2.0844218E-04  -2.1487295E-05
   71   2.0407667E-04  -2.1477355E-05
   72   1.9971200E-04  -2.1475312E-05
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                  Exe Time :27 January 2022   16:36:09                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      6.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                             ZFO         QS
QSL         ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -7.4977E-04   0.000       0.000       32.00       16.00          ACTIVE   0.000      -1.600       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D   0.000     -7.4013E-04   4.000       0.000       36.00       18.00          ACTIVE   0.000      -1.800       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   0.000     -7.3049E-04   8.000       0.000       40.00       20.00          ACTIVE   0.000      -2.000       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   0.000     -7.2086E-04   12.00       0.000       44.00       22.00          ACTIVE   0.000      -2.200       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   0.000     -7.1122E-04   16.00       0.000       48.00       24.00          ACTIVE   0.000      -2.400       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   0.000     -7.0158E-04   20.00       0.000       52.00       26.00          ACTIVE   0.000      -2.600       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   0.000     -6.9194E-04   24.00       0.000       56.00       28.00          ACTIVE   0.000      -2.800       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   0.000     -6.8230E-04   28.00       0.000       60.00       30.00          ACTIVE   0.000      -3.000       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   0.000     -6.7266E-04   32.00       0.000       64.00       32.00          ACTIVE   0.000      -3.200       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   0.000     -6.6303E-04   36.60       0.000       68.60       34.30          ACTIVE   0.000      -3.400       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   0.000     -6.5339E-04   41.20       0.000       73.20       36.60          ACTIVE   0.000      -3.600       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   0.000     -6.4375E-04   45.80       0.000       77.80       38.90          ACTIVE   0.000      -3.800       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   0.000     -6.3411E-04   50.40       0.000       82.40       41.20          ACTIVE   0.000      -4.000       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   0.000     -6.2447E-04   55.00       0.000       87.00       43.50          ACTIVE   0.000      -4.200       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   0.000     -6.1580E-04   59.60       0.000       90.70       45.35          ACTIVE   0.000      -4.400       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   0.000     -6.0827E-04   64.20       0.000       93.33       46.67          ACTIVE   0.000      -4.600       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   0.000     -5.9932E-04   68.80       0.000       95.96       47.98          ACTIVE   0.000      -4.800       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   0.000     -5.8962E-04   73.40       0.000       98.60       49.30          ACTIVE   0.000      -5.000       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   0.000     -5.7991E-04   78.00       0.000       101.2       50.61          ACTIVE   0.000      -5.200       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   0.000     -5.7021E-04   82.60       0.000       103.9       51.93          ACTIVE   0.000      -5.400       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   0.000     -5.6050E-04   87.20       0.000       106.5       53.25          ACTIVE   0.000      -5.600       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   0.000     -5.5080E-04   91.80       0.000       109.1       54.56          ACTIVE   0.000      -5.800       0.000
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1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   0.000     -5.4109E-04   96.40       0.000       111.8       55.88         ACTIVE   0.000      -6.000       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   0.000     -5.3139E-04   101.0       0.000       114.4       57.19         ACTIVE   0.000      -6.200       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   0.000     -5.2168E-04   105.6       0.000       117.0       58.51         ACTIVE   0.000      -6.400       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D  0.2929     -5.1198E-04   110.2       1.464       119.6       59.82          UL-RL  8.2596E+04  -6.600       0.000
1.000       1.000       1.464       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D  0.8838     -5.0227E-04   114.8       4.419       122.3       61.14          UL-RL  8.2596E+04  -6.800       0.000
1.000       1.000       4.419       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   1.471     -4.9257E-04   119.4       7.355       124.9       62.46          UL-RL  8.2596E+04  -7.000       0.000
1.000       1.000       7.355       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   2.054     -4.8287E-04   124.0       10.27       127.5       63.77          UL-RL  8.2596E+04  -7.200       0.000
1.000       1.000       10.27       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   2.634     -4.7317E-04   128.6       13.17       130.2       65.09          UL-RL  8.2596E+04  -7.400       0.000
1.000       1.000       13.17       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   3.249     -4.6349E-04   133.0       16.04       133.0       66.40          UL-RL  8.2596E+04  -7.600       0.2037
1.000       1.000       16.25       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   4.101     -4.5384E-04   135.8       18.49       135.8       67.72          UL-RL  8.2596E+04  -7.800       2.014
1.000       1.000       20.50       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   4.949     -4.4423E-04   138.6       20.92       138.6       69.04          UL-RL  8.2596E+04  -8.000       3.825
1.000       1.000       24.74       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   5.793     -4.3469E-04   141.4       23.33       141.4       70.35          UL-RL  8.2596E+04  -8.200       5.636
1.000       1.000       28.96       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   6.633     -4.2525E-04   144.2       25.72       144.2       71.67          UL-RL  8.2596E+04  -8.400       7.446
1.000       1.000       33.16       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   7.468     -4.1594E-04   146.9       28.08       146.9       72.98          UL-RL  8.2596E+04  -8.600       9.257
1.000       1.000       37.34       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   8.298     -4.0679E-04   149.7       30.42       149.7       74.30          UL-RL  8.2596E+04  -8.800       11.07
1.000       1.000       41.49       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   9.124     -3.9780E-04   152.5       32.74       152.5       75.62          UL-RL  8.2596E+04  -9.000       12.88
1.000       1.000       45.62       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   9.943     -3.8901E-04   155.3       35.03       155.3       76.93          UL-RL  8.2596E+04  -9.200       14.69
1.000       1.000       49.72       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   10.76     -3.8043E-04   158.1       37.29       158.1       78.25          UL-RL  8.2596E+04  -9.400       16.50
1.000       1.000       53.79       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   11.57     -3.7206E-04   160.9       39.52       160.9       79.56          UL-RL  8.2596E+04  -9.600       18.31
1.000       1.000       57.83       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   12.37     -3.6392E-04   163.7       41.73       163.7       80.88          UL-RL  8.2596E+04  -9.800       20.12
1.000       1.000       61.85       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   13.17     -3.5601E-04   166.5       43.90       166.5       82.20          UL-RL  8.2596E+04  -10.00       21.93
1.000       1.000       65.84       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   13.96     -3.4833E-04   169.3       46.05       169.3       83.51          UL-RL  8.2596E+04  -10.20       23.74
1.000       1.000       69.80       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   14.75     -3.4089E-04   172.0       48.18       172.0       84.83          UL-RL  8.2596E+04  -10.40       25.55
1.000       1.000       73.73       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   15.53     -3.3368E-04   174.8       50.27       174.8       86.14          UL-RL  8.2596E+04  -10.60       27.36
1.000       1.000       77.64       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   16.30     -3.2671E-04   177.6       52.35       177.6       87.46          UL-RL  8.2596E+04  -10.80       29.17
1.000       1.000       81.52       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   17.08     -3.1995E-04   180.4       54.39       180.4       88.77          UL-RL  8.2596E+04  -11.00       30.98
1.000       1.000       85.38       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   17.84     -3.1342E-04   183.2       56.41       183.2       90.09          UL-RL  8.2596E+04  -11.20       32.79
1.000       1.000       89.21       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   18.60     -3.0710E-04   186.0       58.42       186.0       91.41          UL-RL  8.2596E+04  -11.40       34.61
1.000       1.000       93.02       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   19.36     -3.0098E-04   188.8       60.39       188.8       92.72          UL-RL  8.2596E+04  -11.60       36.42
1.000       1.000       96.81       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   20.12     -2.9506E-04   191.6       62.35       191.6       94.04          UL-RL  8.2596E+04  -11.80       38.23
1.000       1.000       100.6       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   20.87     -2.8932E-04   194.4       64.29       194.4       95.35          UL-RL  8.2596E+04  -12.00       40.04
1.000       1.000       104.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   21.61     -2.8375E-04   197.2       66.22       197.2       96.67          UL-RL  8.2596E+04  -12.20       41.85
1.000       1.000       108.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   22.36     -2.7834E-04   199.9       68.12       199.9       97.99          UL-RL  8.2596E+04  -12.40       43.66
1.000       1.000       111.8       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   23.10     -2.7308E-04   202.7       70.01       202.7       99.30          UL-RL  8.2596E+04  -12.60       45.47
1.000       1.000       115.5       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   23.83     -2.6796E-04   205.5       71.89       205.5       100.6          UL-RL  8.2596E+04  -12.80       47.28
1.000       1.000       119.2       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   24.57     -2.6296E-04   208.3       73.76       208.3       101.9          UL-RL  8.2596E+04  -13.00       49.09
1.000       1.000       122.8       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   25.30     -2.5807E-04   211.1       75.61       211.1       103.2          UL-RL  8.2596E+04  -13.20       50.90
1.000       1.000       126.5       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   26.03     -2.5328E-04   213.9       77.46       213.9       104.6          UL-RL  8.2596E+04  -13.40       52.71
1.000       1.000       130.2       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   26.76     -2.4858E-04   216.7       79.30       216.7       105.9          UL-RL  8.2596E+04  -13.60       54.52
1.000       1.000       133.8       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   27.49     -2.4395E-04   219.5       81.13       219.5       107.2          UL-RL  8.2596E+04  -13.80       56.33
1.000       1.000       137.5       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   28.22     -2.3939E-04   222.3       82.95       222.3       108.5          UL-RL  8.2596E+04  -14.00       58.14
1.000       1.000       141.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   28.94     -2.3488E-04   225.0       84.77       225.0       109.8          UL-RL  8.2596E+04  -14.20       59.95
1.000       1.000       144.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   29.67     -2.3041E-04   227.8       86.58       227.8       111.1          UL-RL  8.2596E+04  -14.40       61.76
1.000       1.000       148.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   30.39     -2.2598E-04   230.6       88.39       230.6       112.5          UL-RL  8.2596E+04  -14.60       63.58
1.000       1.000       152.0       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   31.12     -2.2158E-04   233.4       90.20       233.4       113.8          UL-RL  8.2596E+04  -14.80       65.39
1.000       1.000       155.6       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   31.84     -2.1719E-04   236.2       92.01       236.2       115.1          UL-RL  8.2596E+04  -15.00       67.20
1.000       1.000       159.2       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   32.56     -2.1281E-04   239.0       93.82       239.0       116.4          UL-RL  8.2596E+04  -15.20       69.01
1.000       1.000       162.8       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   33.29     -2.0844E-04   241.8       95.62       241.8       117.7          UL-RL  8.2596E+04  -15.40       70.82
1.000       1.000       166.4       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   34.01     -2.0408E-04   244.6       97.43       244.6       119.0          UL-RL  8.2596E+04  -15.60       72.63
1.000       1.000       170.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   17.37     -1.9971E-04   247.4       99.23       247.4       120.4          UL-RL  8.2596E+04  -15.80       74.44
1.000       1.000       173.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                  Exe Time :27 January 2022   16:36:09                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      6.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                            ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1     0.000         --          --          --          --          --         REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --         REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --         REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --         REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --         REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --         REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --         REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --         REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --         REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --         REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --         REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --         REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --         REMOVED     --       -4.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --         REMOVED     --       -4.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --         REMOVED     --       -4.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --         REMOVED     --       -4.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --         REMOVED     --       -4.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --         REMOVED     --       -5.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --         REMOVED     --       -5.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --         REMOVED     --       -5.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --         REMOVED     --       -5.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --         REMOVED     --       -5.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --         REMOVED     --       -6.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  24     0.000         --          --          --          --          --         REMOVED     --       -6.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  25     0.000         --          --          --          --          --         REMOVED     --       -6.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  26     0.000         --          --          --          --          --         REMOVED     --       -6.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  27     0.000         --          --          --          --          --         REMOVED     --       -6.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  28     0.000         --          --          --          --          --         REMOVED     --       -7.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  29     0.000         --          --          --          --          --         REMOVED     --       -7.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  30     0.000         --          --          --          --          --         REMOVED     --       -7.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  31     0.000         --          --          --          --          --         REMOVED     --       -7.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  32     0.000         --          --          --          --          --         REMOVED     --       -7.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
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  33     0.000         --          --          --          --          --          REMOVED     --        -8.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  34 D   7.792      4.3469E-04   2.300       38.96       143.1       71.77          UL-RL  5.2878E+04  -8.200       0.000
1.000       1.000       38.96       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   9.024      4.2525E-04   6.900       45.12       145.7       73.05          UL-RL  5.2878E+04  -8.400       0.000
1.000       1.000       45.12       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   9.860      4.1594E-04   11.50       49.30       148.3       74.33          UL-RL  5.2878E+04  -8.600       0.000
1.000       1.000       49.30       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   10.54      4.0679E-04   16.10       52.70       150.8       75.61          UL-RL  5.2878E+04  -8.800       0.000
1.000       1.000       52.70       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   11.13      3.9780E-04   20.70       55.66       153.4       76.89          UL-RL  5.2878E+04  -9.000       0.000
1.000       1.000       55.66       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   11.83      3.8901E-04   23.11       56.94       156.0       78.17          UL-RL  5.2878E+04  -9.200       2.189
1.000       1.000       59.13       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   12.51      3.8043E-04   25.52       58.18       158.5       79.45          UL-RL  5.2878E+04  -9.400       4.379
1.000       1.000       62.56       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   13.19      3.7206E-04   27.93       59.39       161.1       80.72          UL-RL  5.2878E+04  -9.600       6.568
1.000       1.000       65.96       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   13.87      3.6392E-04   30.34       60.58       163.7       82.00          UL-RL  5.2878E+04  -9.800       8.757
1.000       1.000       69.34       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   14.54      3.5601E-04   32.75       61.75       166.2       83.28          UL-RL  5.2878E+04  -10.00       10.95
1.000       1.000       72.70       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   15.21      3.4833E-04   35.16       62.90       168.8       84.56          UL-RL  5.2878E+04  -10.20       13.14
1.000       1.000       76.04       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   15.87      3.4089E-04   37.57       64.05       171.4       85.84          UL-RL  5.2878E+04  -10.40       15.33
1.000       1.000       79.37       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   16.54      3.3368E-04   39.98       65.19       173.9       87.12          UL-RL  5.2878E+04  -10.60       17.51
1.000       1.000       82.70       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   17.20      3.2671E-04   42.40       66.32       176.5       88.39          UL-RL  5.2878E+04  -10.80       19.70
1.000       1.000       86.02       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   17.87      3.1995E-04   44.81       67.45       179.1       89.67          UL-RL  5.2878E+04  -11.00       21.89
1.000       1.000       89.34       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   18.53      3.1342E-04   47.22       68.57       181.6       90.95          UL-RL  5.2878E+04  -11.20       24.08
1.000       1.000       92.66       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   19.19      3.0710E-04   49.63       69.70       184.2       92.23          UL-RL  5.2878E+04  -11.40       26.27
1.000       1.000       95.97       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   19.86      3.0098E-04   52.04       70.82       186.8       93.51          UL-RL  5.2878E+04  -11.60       28.46
1.000       1.000       99.29       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   20.52      2.9506E-04   54.45       71.95       189.4       94.79          UL-RL  5.2878E+04  -11.80       30.65
1.000       1.000       102.6       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  53 D   21.18      2.8932E-04   56.86       73.07       191.9       96.07          UL-RL  5.2878E+04  -12.00       32.84
1.000       1.000       105.9       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   21.85      2.8375E-04   59.27       74.20       194.5       97.34          UL-RL  5.2878E+04  -12.20       35.03
1.000       1.000       109.2       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   22.51      2.7834E-04   61.68       75.32       197.1       98.62          UL-RL  5.2878E+04  -12.40       37.22
1.000       1.000       112.5       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   23.17      2.7308E-04   64.09       76.45       199.6       99.90          UL-RL  5.2878E+04  -12.60       39.41
1.000       1.000       115.9       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   23.83      2.6796E-04   66.50       77.57       202.2       101.2          UL-RL  5.2878E+04  -12.80       41.60
1.000       1.000       119.2       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   24.50      2.6296E-04   68.91       78.70       204.8       102.5          UL-RL  5.2878E+04  -13.00       43.79
1.000       1.000       122.5       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   25.16      2.5807E-04   71.32       79.82       207.3       103.7          UL-RL  5.2878E+04  -13.20       45.98
1.000       1.000       125.8       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   25.82      2.5328E-04   73.73       80.94       209.9       105.0          UL-RL  5.2878E+04  -13.40       48.17
1.000       1.000       129.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   26.48      2.4858E-04   76.14       82.07       212.5       106.3          UL-RL  5.2878E+04  -13.60       50.36
1.000       1.000       132.4       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   27.15      2.4395E-04   78.55       83.19       215.0       107.6          UL-RL  5.2878E+04  -13.80       52.55
1.000       1.000       135.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   27.81      2.3939E-04   80.97       84.31       217.6       108.9          UL-RL  5.2878E+04  -14.00       54.73
1.000       1.000       139.0       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  64 D   28.47      2.3488E-04   83.38       85.42       220.2       110.1          UL-RL  5.2878E+04  -14.20       56.92
1.000       1.000       142.3       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   29.13      2.3041E-04   85.79       86.54       222.7       111.4          UL-RL  5.2878E+04  -14.40       59.11
1.000       1.000       145.6       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   29.79      2.2598E-04   88.20       87.65       225.3       112.7          UL-RL  5.2878E+04  -14.60       61.30
1.000       1.000       149.0       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   30.45      2.2158E-04   90.61       88.76       227.9       114.0          UL-RL  5.2878E+04  -14.80       63.49
1.000       1.000       152.2       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   31.11      2.1719E-04   93.02       89.86       230.4       115.2          UL-RL  5.2878E+04  -15.00       65.68
1.000       1.000       155.5       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   31.77      2.1281E-04   95.43       90.97       233.0       116.5          UL-RL  5.2878E+04  -15.20       67.87
1.000       1.000       158.8       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   32.42      2.0844E-04   97.84       92.06       235.6       117.8          UL-RL  5.2878E+04  -15.40       70.06
1.000       1.000       162.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   33.08      2.0408E-04   100.3       93.16       238.1       119.1          UL-RL  5.2878E+04  -15.60       72.25
1.000       1.000       165.4       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   16.87      1.9971E-04   102.7       94.25       240.7       120.4          UL-RL  5.2878E+04  -15.80       74.44
1.000       1.000       168.7       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_9503   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   71
C U R R E N T   T I M E   I S   6.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

EL	TA	TB	MA	MB
1	5.56497E-11	-5.56497E-11	5.23315E-12	2.45635E-11
2	2.28795E-10	-2.28795E-10	3.27915E-12	-2.99138E-12
3	-1.91676E-10	1.91676E-10	7.71649E-12	4.93117E-11
4	-1.19542E-10	1.19542E-10	-7.94920E-11	2.99636E-11
5	1.26590E-10	-1.26590E-10	-2.83293E-11	9.18163E-11
6	-9.76570E-11	9.76570E-11	-8.71552E-11	1.07718E-11
7	8.56630E-11	-8.56630E-11	-1.08287E-11	2.26805E-11
8	2.48178E-10	-2.48178E-10	1.11804E-11	5.37383E-11
9	-6.18456E-10	6.18456E-10	-8.89848E-11	-6.04174E-11
10	-7.13953E-11	7.13953E-11	-6.88871E-12	-5.15215E-11
11	3.56181E-10	-3.56181E-10	8.12115E-11	3.15694E-11
12	9.87939E-11	-9.87939E-11	1.52696E-11	5.24807E-11
13	2.20439E-10	-2.20439E-10	-2.00586E-11	1.43373E-10
14	-5.79840E-10	5.79840E-10	-1.78856E-10	-7.59570E-12
15	4.55832E-10	-4.55832E-10	-3.50653E-12	1.78648E-10
16	-2.82025E-10	2.82025E-10	-1.60458E-10	1.33031E-10
17	-1.24119E-10	1.24119E-10	-1.73070E-10	1.50145E-10
18	-1.80336E-10	1.80336E-10	-1.79746E-10	1.34690E-10
19	2.55724E-10	-2.55724E-10	-1.26569E-10	1.35252E-10
20	2.18792E-10	-2.18792E-10	-8.74145E-11	1.56369E-10
21	-1.92557E-11	1.92557E-11	-1.35696E-10	6.05738E-12
22	-4.06724E-10	4.06724E-10	-4.77378E-11	-4.02665E-11
23	3.37836E-10	-3.37836E-10	3.44293E-11	3.27773E-11
24	-2.57439E-10	2.57439E-10	-2.35936E-11	2.93454E-12
25	1.13072E-10	-1.13072E-10	-1.64491E-11	-1.29248E-11
26	0.29286	-0.29286	5.52447E-11	5.85724E-02
27	1.1767	-1.1767	-5.85724E-02	0.29391
28	2.6476	-2.6476	-0.29391	0.82344
29	4.7018	-4.7018	-0.82344	1.7638
30	7.3354	-7.3354	-1.7638	3.2309
31	10.585	-10.585	-3.2309	5.3478
32	14.685	-14.685	-5.3478	8.2848
33	19.634	-19.634	-8.2848	12.212
34	17.634	-17.634	-12.212	15.738
35	15.243	-15.243	-15.738	18.787
36	12.851	-12.851	-18.787	21.357
37	10.610	-10.610	-21.357	23.479
38	8.6022	-8.6022	-23.479	25.200
39	6.7198	-6.7198	-25.200	26.544
40	4.9654	-4.9654	-26.544	27.537
41	3.3396	-3.3396	-27.537	28.205
42	1.8417	-1.8417	-28.205	28.573
43	0.46971	-0.46971	-28.573	28.667
44	-0.77916	0.77916	-28.667	28.511
45	-1.9082	1.9082	-28.511	28.130
46	-2.9213	2.9213	-28.130	27.545
47	-3.8224	3.8224	-27.545	26.781
48	-4.6157	4.6157	-26.781	25.858
49	-5.3054	5.3054	-25.858	24.797
50	-5.8959	5.8959	-24.797	23.617
51	-6.3911	6.3911	-23.617	22.339
52	-6.7951	6.7951	-22.339	20.980
53	-7.1117	7.1117	-20.980	19.558
54	-7.3443	7.3443	-19.558	18.089
55	-7.4964	7.4964	-18.089	16.590
56	-7.5708	7.5708	-16.590	15.075
57	-7.5702	7.5702	-15.075	13.561
58	-7.4972	7.4972	-13.561	12.062
59	-7.3537	7.3537	-12.062	10.591
60	-7.1415	7.1415	-10.591	9.1630
61	-6.8621	6.8621	-9.1630	7.7906
62	-6.5166	6.5166	-7.7906	6.4873
63	-6.1059	6.1059	-6.4873	5.2661
64	-5.6307	5.6307	-5.2661	4.1400
65	-5.0911	5.0911	-4.1400	3.1217
66	-4.4875	4.4875	-3.1217	2.2242
67	-3.8196	3.8196	-2.2242	1.4603
68	-3.0871	3.0871	-1.4603	0.84290
69	-2.2897	2.2897	-0.84290	0.38495
70	-1.4269	1.4269	-0.38495	9.95790E-02

```
   71-0.49787     0.49787    -9.95790E-02-1.14392E-12

ITER     0 RNORM = 71.06     RMNORM= 0.000
           RINORM=0.4270E+05 RIMNOR=0.2833E+05
           RENORM= 71.06     REMNOR=0.3496E-19 RATIO =0.4079E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 34.01     RMMAX = 28.67
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.4270E+05 RDR   =0.2833E+05
           RATIOT=0.4079E-01 RATIOR= 0.000
           MAX UN= 1.495     IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           MIN UN=-.4228E-09 IEQ=    91 NODE     46 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 71.06     RMNORM= 0.000
           RINORM=0.4270E+05 RIMNOR=0.2833E+05
           RENORM= 91.72     REMNOR=0.6184E-18 RATIO =0.4635E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 34.01     RMMAX = 28.67
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.4270E+05 RDR   =0.2833E+05
           RATIOT=0.4635E-01 RATIOR= 0.000
           MAX UN= 6.046     IEQ=    51 NODE     26 DOF   1  Y-DISPL.F
           MIN UN=-.3288E-08 IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 71.06     RMNORM= 0.000
           RINORM=0.4270E+05 RIMNOR=0.2833E+05
           RENORM= 2.184     REMNOR=0.3246E-18 RATIO =0.7151E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 34.01     RMMAX = 28.67
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.4270E+05 RDR   =0.2833E+05
           RATIOT=0.7151E-02 RATIOR= 0.000
           MAX UN= 1.409     IEQ=    65 NODE     33 DOF   1  Y-DISPL.F
           MIN UN=-.3984E-08 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 71.06     RMNORM= 0.000
           RINORM=0.4270E+05 RIMNOR=0.2833E+05
           RENORM=0.5548E-16 REMNOR=0.1755E-18 RATIO =0.3604E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.01     RMMAX = 28.67
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.4270E+05 RDR   =0.2833E+05
           RATIOT=0.3604E-10 RATIOR= 0.000
           MAX UN=0.2904E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           MIN UN=-.2580E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*              |
|                                                                                                                         |
|                                                ParatiePlus                                                              |
|                                  Exe Time :27 January 2022   16:36:09                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     4 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    7     ( AT TIME   7.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
    1   2.3829375E-03  -2.6570645E-04
    2   2.3297964E-03  -2.6570338E-04
    3   2.2766570E-03  -2.6568805E-04
    4   2.2235228E-03  -2.6564820E-04
    5   2.1704002E-03  -2.6557155E-04
    6   2.1172975E-03  -2.6544585E-04
    7   2.0642259E-03  -2.6525882E-04
    8   2.0111989E-03  -2.6499822E-04
    9   1.9582323E-03  -2.6465177E-04
   10   1.9053447E-03  -2.6420720E-04
   11   1.8525568E-03  -2.6365227E-04
   12   1.7998920E-03  -2.6297469E-04
   13   1.7473759E-03  -2.6216222E-04
   14   1.6950369E-03  -2.6120258E-04
   15   1.6438699E-03  -2.6008351E-04
   16   1.5940921E-03  -2.5879274E-04
   17   1.5431610E-03  -2.5731802E-04
   18   1.4917962E-03  -2.5564708E-04
   19   1.4407860E-03  -2.5376767E-04
   20   1.3901729E-03  -2.5166750E-04
   21   1.3400027E-03  -2.4933431E-04
   22   1.2903231E-03  -2.4675585E-04
   23   1.2411845E-03  -2.4391985E-04
   24   1.1926398E-03  -2.4081407E-04
   25   1.1447439E-03  -2.3742620E-04
   26   1.0975546E-03  -2.3374400E-04
   27   1.0511320E-03  -2.2975521E-04
   28   1.0055387E-03  -2.2544756E-04
   29   9.6083989E-04  -2.2080881E-04
   30   9.1710265E-04  -2.1582666E-04
   31   8.7439709E-04  -2.1048885E-04
   32   8.3279559E-04  -2.0478296E-04
   33   7.9237313E-04  -1.9869491E-04
   34   7.5320771E-04  -1.9220919E-04
   35   7.1537715E-04  -1.8535923E-04
   36   6.7894601E-04  -1.7822826E-04
   37   6.4396247E-04  -1.7089743E-04
   38   6.1045857E-04  -1.6344128E-04
   39   5.7845270E-04  -1.5592728E-04
   40   5.4795025E-04  -1.4841609E-04
   41   5.1894512E-04  -1.4096231E-04
   42   4.9142098E-04  -1.3361479E-04
   43   4.6535189E-04  -1.2641679E-04
   44   4.4070359E-04  -1.1940626E-04
   45   4.1743752E-04  -1.1261707E-04
   46   3.9550363E-04  -1.0607689E-04
   47   3.7485076E-04  -9.9810247E-05
   48   3.5542214E-04  -9.3837206E-05
   49   3.3715735E-04  -8.8174018E-05
   50   3.1999311E-04  -8.2833350E-05
   51   3.0386392E-04  -7.7824524E-05
   52   2.8870275E-04  -7.3153750E-05
   53   2.7444161E-04  -6.8824329E-05
   54   2.6101213E-04  -6.4836857E-05
   55   2.4834607E-04  -6.1189407E-05
   56   2.3637582E-04  -5.7877693E-05
   57   2.2503485E-04  -5.4895230E-05
   58   2.1425813E-04  -5.2233467E-05
   59   2.0398253E-04  -4.9881918E-05
   60   1.9414723E-04  -4.7828267E-05
   61   1.8469400E-04  -4.6058468E-05
   62   1.7556764E-04  -4.4556828E-05
   63   1.6671620E-04  -4.3306080E-05
   64   1.5809137E-04  -4.2287441E-05
   65   1.4964872E-04  -4.1480661E-05
   66   1.4134802E-04  -4.0864063E-05
   67   1.3315353E-04  -4.0414570E-05
   68   1.2503425E-04  -4.0107727E-05
   69   1.1696420E-04  -3.9917717E-05
   70   1.0892272E-04  -3.9817363E-05
   71   1.0089470E-04  -3.9778138E-05
   72   9.2870490E-05  -3.9770156E-05
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:36:09                                               |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                        :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      7.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL         ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -2.3829E-03   0.000       0.000       32.00       16.00          ACTIVE   0.000      -1.600       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D   0.000     -2.3298E-03   4.000       0.000       36.00       18.00          ACTIVE   0.000      -1.800       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   0.000     -2.2767E-03   8.000       0.000       40.00       20.00          ACTIVE   0.000      -2.000       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   0.000     -2.2235E-03   12.00       0.000       44.00       22.00          ACTIVE   0.000      -2.200       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   0.000     -2.1704E-03   16.00       0.000       48.00       24.00          ACTIVE   0.000      -2.400       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   0.000     -2.1173E-03   20.00       0.000       52.00       26.00          ACTIVE   0.000      -2.600       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   0.000     -2.0642E-03   24.00       0.000       56.00       28.00          ACTIVE   0.000      -2.800       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   0.000     -2.0112E-03   28.00       0.000       60.00       30.00          ACTIVE   0.000      -3.000       0.000
1.000       1.000       0.000       0.000       0.000       10.00       10.00     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   0.000     -1.9582E-03   32.00       0.000       64.00       32.00          ACTIVE   0.000      -3.200       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   0.000     -1.9053E-03   36.60       0.000       68.60       34.30          ACTIVE   0.000      -3.400       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   0.000     -1.8526E-03   41.20       0.000       73.20       36.60          ACTIVE   0.000      -3.600       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   0.000     -1.7999E-03   45.80       0.000       77.80       38.90          ACTIVE   0.000      -3.800       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   0.000     -1.7474E-03   50.40       0.000       82.40       41.20          ACTIVE   0.000      -4.000       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   0.000     -1.6950E-03   55.00       0.000       87.00       43.50          ACTIVE   0.000      -4.200       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   0.000     -1.6439E-03   59.60       0.000       90.70       45.35          ACTIVE   0.000      -4.400       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   0.000     -1.5941E-03   64.20       0.000       93.33       46.67          ACTIVE   0.000      -4.600       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   0.000     -1.5432E-03   68.80       0.000       95.96       47.98          ACTIVE   0.000      -4.800       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   0.000     -1.4918E-03   73.40       0.000       98.60       49.30          ACTIVE   0.000      -5.000       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   0.000     -1.4408E-03   78.00       0.000       101.2       50.61          ACTIVE   0.000      -5.200       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   0.000     -1.3902E-03   82.60       0.000       103.9       51.93          ACTIVE   0.000      -5.400       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   0.000     -1.3400E-03   87.20       0.000       106.5       53.25          ACTIVE   0.000      -5.600       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   0.000     -1.2903E-03   91.80       0.000       109.1       54.56          ACTIVE   0.000      -5.800       0.000
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1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   0.000     -1.2412E-03   96.40       0.000       111.8       55.88         ACTIVE   0.000      -6.000       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   0.000     -1.1926E-03   101.0       0.000       114.4       57.19         ACTIVE   0.000      -6.200       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   0.000     -1.1447E-03   105.6       0.000       117.0       58.51         ACTIVE   0.000      -6.400       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   0.000     -1.0976E-03   110.2       0.000       119.6       59.82         ACTIVE   0.000      -6.600       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   0.000     -1.0511E-03   114.8       0.000       122.3       61.14         ACTIVE   0.000      -6.800       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   0.000     -1.0055E-03   119.4       0.000       124.9       62.46         ACTIVE   0.000      -7.000       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   0.000     -9.6084E-04   124.0       0.000       127.5       63.77         ACTIVE   0.000      -7.200       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   0.000     -9.1710E-04   128.6       0.000       130.2       65.09         ACTIVE   0.000      -7.400       0.000
1.000       1.000       0.000       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   4.0733E-02 -8.7440E-04   133.0       0.000       133.0       66.40         ACTIVE   0.000      -7.600       0.2037
1.000       1.000       0.2037      0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   0.4029    -8.3280E-04   135.8       0.000       135.8       67.72         ACTIVE   0.000      -7.800       2.014
1.000       1.000       2.014       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   0.7650    -7.9237E-04   138.6       0.000       138.6       69.04         ACTIVE   0.000      -8.000       3.825
1.000       1.000       3.825       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   1.127     -7.5321E-04   141.4       0.000       141.4       70.35         ACTIVE   0.000      -8.200       5.636
1.000       1.000       5.636       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   1.840     -7.1538E-04   144.2       1.754       144.2       71.67          UL-RL  8.2596E+04  -8.400       7.446
1.000       1.000       9.200       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   3.123     -6.7895E-04   146.9       6.360       146.9       72.98          UL-RL  8.2596E+04  -8.600       9.257
1.000       1.000       15.62       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   4.380     -6.4396E-04   149.7       10.83       149.7       74.30          UL-RL  8.2596E+04  -8.800       11.07
1.000       1.000       21.90       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   5.611     -6.1046E-04   152.5       15.18       152.5       75.62          UL-RL  8.2596E+04  -9.000       12.88
1.000       1.000       28.05       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   6.814     -5.7845E-04   155.3       19.38       155.3       76.93          UL-RL  8.2596E+04  -9.200       14.69
1.000       1.000       34.07       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   7.990     -5.4795E-04   158.1       23.45       158.1       78.25          UL-RL  8.2596E+04  -9.400       16.50
1.000       1.000       39.95       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   9.140     -5.1895E-04   160.9       27.39       160.9       79.56          UL-RL  8.2596E+04  -9.600       18.31
1.000       1.000       45.70       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   10.26     -4.9142E-04   163.7       31.20       163.7       80.88          UL-RL  8.2596E+04  -9.800       20.12
1.000       1.000       51.32       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   11.36     -4.6535E-04   166.5       34.87       166.5       82.20          UL-RL  8.2596E+04  -10.00       21.93
1.000       1.000       56.80       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   12.43     -4.4070E-04   169.3       38.42       169.3       83.51          UL-RL  8.2596E+04  -10.20       23.74
1.000       1.000       62.17       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   13.48     -4.1744E-04   172.0       41.85       172.0       84.83          UL-RL  8.2596E+04  -10.40       25.55
1.000       1.000       67.41       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   14.51     -3.9550E-04   174.8       45.17       174.8       86.14          UL-RL  8.2596E+04  -10.60       27.36
1.000       1.000       72.53       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   15.51     -3.7485E-04   177.6       48.37       177.6       87.46          UL-RL  8.2596E+04  -10.80       29.17
1.000       1.000       77.54       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   16.49     -3.5542E-04   180.4       51.46       180.4       88.77          UL-RL  8.2596E+04  -11.00       30.98
1.000       1.000       82.45       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   17.45     -3.3716E-04   183.2       54.45       183.2       90.09          UL-RL  8.2596E+04  -11.20       32.79
1.000       1.000       87.25       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   18.39     -3.1999E-04   186.0       57.35       186.0       91.41          UL-RL  8.2596E+04  -11.40       34.61
1.000       1.000       91.96       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   19.31     -3.0386E-04   188.8       60.16       188.8       92.72          UL-RL  8.2596E+04  -11.60       36.42
1.000       1.000       96.57       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   20.22     -2.8870E-04   191.6       62.88       191.6       94.04          UL-RL  8.2596E+04  -11.80       38.23
1.000       1.000       101.1       0.000       0.000       63.00       63.00     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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53 D	21.11	-2.7444E-04	194.4	65.52	194.4	95.35	UL-RL	8.2596E+04	-12.00	40.04
1.000	1.000	105.6	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
54 D	21.99	-2.6101E-04	197.2	68.09	197.2	96.67	UL-RL	8.2596E+04	-12.20	41.85
1.000	1.000	109.9	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
55 D	22.85	-2.4835E-04	199.9	70.60	199.9	97.99	UL-RL	8.2596E+04	-12.40	43.66
1.000	1.000	114.3	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
56 D	23.70	-2.3638E-04	202.7	73.05	202.7	99.30	UL-RL	8.2596E+04	-12.60	45.47
1.000	1.000	118.5	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
57 D	24.54	-2.2503E-04	205.5	75.44	205.5	100.6	UL-RL	8.2596E+04	-12.80	47.28
1.000	1.000	122.7	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
58 D	25.37	-2.1426E-04	208.3	77.78	208.3	101.9	UL-RL	8.2596E+04	-13.00	49.09
1.000	1.000	126.9	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
59 D	26.20	-2.0398E-04	211.1	80.08	211.1	103.2	UL-RL	8.2596E+04	-13.20	50.90
1.000	1.000	131.0	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
60 D	27.01	-1.9415E-04	213.9	82.34	213.9	104.6	UL-RL	8.2596E+04	-13.40	52.71
1.000	1.000	135.1	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
61 D	27.82	-1.8469E-04	216.7	84.57	216.7	105.9	UL-RL	8.2596E+04	-13.60	54.52
1.000	1.000	139.1	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
62 D	28.62	-1.7557E-04	219.5	86.77	219.5	107.2	UL-RL	8.2596E+04	-13.80	56.33
1.000	1.000	143.1	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
63 D	29.42	-1.6672E-04	222.3	88.95	222.3	108.5	UL-RL	8.2596E+04	-14.00	58.14
1.000	1.000	147.1	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
64 D	30.21	-1.5809E-04	225.0	91.11	225.0	109.8	UL-RL	8.2596E+04	-14.20	59.95
1.000	1.000	151.1	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
65 D	31.00	-1.4965E-04	227.8	93.25	227.8	111.1	UL-RL	8.2596E+04	-14.40	61.76
1.000	1.000	155.0	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
66 D	31.79	-1.4135E-04	230.6	95.38	230.6	112.5	UL-RL	8.2596E+04	-14.60	63.58
1.000	1.000	159.0	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
67 D	32.58	-1.3315E-04	233.4	97.51	233.4	113.8	UL-RL	8.2596E+04	-14.80	65.39
1.000	1.000	162.9	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
68 D	33.36	-1.2503E-04	236.2	99.62	236.2	115.1	UL-RL	8.2596E+04	-15.00	67.20
1.000	1.000	166.8	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
69 D	34.15	-1.1696E-04	239.0	101.7	239.0	116.4	UL-RL	8.2596E+04	-15.20	69.01
1.000	1.000	170.7	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
70 D	34.93	-1.0892E-04	241.8	103.8	241.8	117.7	UL-RL	8.2596E+04	-15.40	70.82
1.000	1.000	174.7	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
71 D	35.72	-1.0089E-04	244.6	105.9	244.6	119.0	UL-RL	8.2596E+04	-15.60	72.63
1.000	1.000	178.6	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
72 D	18.25	-9.2870E-05	247.4	108.1	247.4	120.4	UL-RL	8.2596E+04	-15.80	74.44
1.000	1.000	182.5	0.000	0.000	63.00	63.00	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*              |
|                                                                                                                         |
|                                                ParatiePlus                                                              |
|                                  Exe Time :27 January 2022   16:36:09                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      7.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                             ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1     0.000         --          --          --          --          --         REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --         REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --         REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --         REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --         REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --         REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --         REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --         REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --         REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --         REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --         REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --         REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --         REMOVED     --       -4.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --         REMOVED     --       -4.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --         REMOVED     --       -4.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --         REMOVED     --       -4.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --         REMOVED     --       -4.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --         REMOVED     --       -5.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --         REMOVED     --       -5.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --         REMOVED     --       -5.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --         REMOVED     --       -5.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --         REMOVED     --       -5.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --         REMOVED     --       -6.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  24     0.000         --          --          --          --          --         REMOVED     --       -6.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  25     0.000         --          --          --          --          --         REMOVED     --       -6.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  26     0.000         --          --          --          --          --         REMOVED     --       -6.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  27     0.000         --          --          --          --          --         REMOVED     --       -6.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  28     0.000         --          --          --          --          --         REMOVED     --       -7.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  29     0.000         --          --          --          --          --         REMOVED     --       -7.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  30     0.000         --          --          --          --          --         REMOVED     --       -7.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  31     0.000         --          --          --          --          --         REMOVED     --       -7.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  32     0.000         --          --          --          --          --         REMOVED     --       -7.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
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  33     0.000         --          --          --          --          --          REMOVED     --        -8.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  34 D   11.16      7.5321E-04   2.300       55.80       143.1       71.77          UL-RL  5.2878E+04  -8.200       0.000
1.000       1.000       55.80       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   12.09      7.1538E-04   6.900       60.46       145.7       73.05          UL-RL  5.2878E+04  -8.400       0.000
1.000       1.000       60.46       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   12.64      6.7895E-04   11.50       63.21       148.3       74.33          UL-RL  5.2878E+04  -8.600       0.000
1.000       1.000       63.21       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   13.05      6.4396E-04   16.10       65.24       150.8       75.61          UL-RL  5.2878E+04  -8.800       0.000
1.000       1.000       65.24       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   13.38      6.1046E-04   20.70       66.90       153.4       76.89          UL-RL  5.2878E+04  -9.000       0.000
1.000       1.000       66.90       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   13.83      5.7845E-04   23.11       66.96       156.0       78.17          UL-RL  5.2878E+04  -9.200       2.189
1.000       1.000       69.15       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   14.28      5.4795E-04   25.52       67.04       158.5       79.45          UL-RL  5.2878E+04  -9.400       4.379
1.000       1.000       71.42       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   14.75      5.1895E-04   27.93       67.16       161.1       80.72          UL-RL  5.2878E+04  -9.600       6.568
1.000       1.000       73.73       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   15.22      4.9142E-04   30.34       67.32       163.7       82.00          UL-RL  5.2878E+04  -9.800       8.757
1.000       1.000       76.08       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   15.70      4.6535E-04   32.75       67.53       166.2       83.28          UL-RL  5.2878E+04  -10.00       10.95
1.000       1.000       78.48       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   16.18      4.4070E-04   35.16       67.79       168.8       84.56          UL-RL  5.2878E+04  -10.20       13.14
1.000       1.000       80.92       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   16.68      4.1744E-04   37.57       68.10       171.4       85.84          UL-RL  5.2878E+04  -10.40       15.33
1.000       1.000       83.42       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   17.19      3.9550E-04   39.98       68.46       173.9       87.12          UL-RL  5.2878E+04  -10.60       17.51
1.000       1.000       85.97       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   17.71      3.7485E-04   42.40       68.87       176.5       88.39          UL-RL  5.2878E+04  -10.80       19.70
1.000       1.000       88.57       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   18.24      3.5542E-04   44.81       69.32       179.1       89.67          UL-RL  5.2878E+04  -11.00       21.89
1.000       1.000       91.22       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   18.78      3.3716E-04   47.22       69.83       181.6       90.95          UL-RL  5.2878E+04  -11.20       24.08
1.000       1.000       93.91       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   19.33      3.1999E-04   49.63       70.38       184.2       92.23          UL-RL  5.2878E+04  -11.40       26.27
1.000       1.000       96.65       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   19.89      3.0386E-04   52.04       70.98       186.8       93.51          UL-RL  5.2878E+04  -11.60       28.46
1.000       1.000       99.44       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   20.45      2.8870E-04   54.45       71.61       189.4       94.79          UL-RL  5.2878E+04  -11.80       30.65
1.000       1.000       102.3       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  53 D   21.03      2.7444E-04   56.86       72.29       191.9       96.07          UL-RL  5.2878E+04  -12.00       32.84
1.000       1.000       105.1       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   21.60      2.6101E-04   59.27       72.99       194.5       97.34          UL-RL  5.2878E+04  -12.20       35.03
1.000       1.000       108.0       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   22.19      2.4835E-04   61.68       73.74       197.1       98.62          UL-RL  5.2878E+04  -12.40       37.22
1.000       1.000       111.0       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   22.78      2.3638E-04   64.09       74.51       199.6       99.90          UL-RL  5.2878E+04  -12.60       39.41
1.000       1.000       113.9       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   23.38      2.2503E-04   66.50       75.30       202.2       101.2          UL-RL  5.2878E+04  -12.80       41.60
1.000       1.000       116.9       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   23.98      2.1426E-04   68.91       76.12       204.8       102.5          UL-RL  5.2878E+04  -13.00       43.79
1.000       1.000       119.9       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   24.59      2.0398E-04   71.32       76.96       207.3       103.7          UL-RL  5.2878E+04  -13.20       45.98
1.000       1.000       122.9       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   25.20      1.9415E-04   73.73       77.82       209.9       105.0          UL-RL  5.2878E+04  -13.40       48.17
1.000       1.000       126.0       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   25.81      1.8469E-04   76.14       78.69       212.5       106.3          UL-RL  5.2878E+04  -13.60       50.36
1.000       1.000       129.0       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   26.42      1.7557E-04   78.55       79.57       215.0       107.6          UL-RL  5.2878E+04  -13.80       52.55
1.000       1.000       132.1       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   27.04      1.6672E-04   80.97       80.46       217.6       108.9          UL-RL  5.2878E+04  -14.00       54.73
1.000       1.000       135.2       0.000       0.000       64.51       64.51     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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1.000       1.000       67.98       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   14.26     -3.6286E-06   111.8       54.64       111.8       55.88          UL-RL  3.4016E+05  -6.000       16.65
1.000       1.000       71.29       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   14.92     -3.5545E-06   114.4       55.98       114.4       57.19          UL-RL  3.4016E+05  -6.200       18.61
1.000       1.000       74.60       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   15.58     -3.4805E-06   117.0       57.33       117.0       58.51          UL-RL  3.4016E+05  -6.400       20.58
1.000       1.000       77.91       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   16.24     -3.4064E-06   119.6       58.67       119.6       59.82          UL-RL  3.4016E+05  -6.600       22.55
1.000       1.000       81.22       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   16.91     -3.3324E-06   122.3       60.01       122.3       61.14          UL-RL  3.4016E+05  -6.800       24.52
1.000       1.000       84.53       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   17.57     -3.2583E-06   124.9       61.35       124.9       62.46          UL-RL  3.4016E+05  -7.000       26.49
1.000       1.000       87.83       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   18.23     -3.1843E-06   127.5       62.69       127.5       63.77          UL-RL  3.4016E+05  -7.200       28.45
1.000       1.000       91.14       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   18.89     -3.1102E-06   130.2       64.03       130.2       65.09          UL-RL  3.4016E+05  -7.400       30.42
1.000       1.000       94.45       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   19.55     -3.0361E-06   132.8       65.37       132.8       66.40          UL-RL  3.4016E+05  -7.600       32.39
1.000       1.000       97.76       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   20.21     -2.9621E-06   135.4       66.71       135.4       67.72          UL-RL  3.4016E+05  -7.800       34.36
1.000       1.000       101.1       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   20.88     -2.8880E-06   138.1       68.05       138.1       69.04          UL-RL  3.4016E+05  -8.000       36.33
1.000       1.000       104.4       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   21.54     -2.8140E-06   140.7       69.39       140.7       70.35          UL-RL  3.4016E+05  -8.200       38.30
1.000       1.000       107.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   22.20     -2.7399E-06   143.3       70.74       143.3       71.67          UL-RL  3.4016E+05  -8.400       40.26
1.000       1.000       111.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   22.86     -2.6659E-06   146.0       72.08       146.0       72.98          UL-RL  3.4016E+05  -8.600       42.23
1.000       1.000       114.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   23.52     -2.5918E-06   148.6       73.42       148.6       74.30          UL-RL  3.4016E+05  -8.800       44.20
1.000       1.000       117.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   24.19     -2.5178E-06   151.2       74.76       151.2       75.62          UL-RL  3.4016E+05  -9.000       46.17
1.000       1.000       120.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   24.85     -2.4437E-06   153.9       76.10       153.9       76.93          UL-RL  3.4016E+05  -9.200       48.14
1.000       1.000       124.2       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   25.51     -2.3697E-06   156.5       77.44       156.5       78.25          UL-RL  3.4016E+05  -9.400       50.10
1.000       1.000       127.5       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   26.17     -2.2956E-06   159.1       78.78       159.1       79.56          UL-RL  3.4016E+05  -9.600       52.07
1.000       1.000       130.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   26.83     -2.2216E-06   161.8       80.12       161.8       80.88          UL-RL  3.4016E+05  -9.800       54.04
1.000       1.000       134.2       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   27.49     -2.1475E-06   164.4       81.46       164.4       82.20          UL-RL  3.4016E+05  -10.00       56.01
1.000       1.000       137.5       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   28.16     -2.0735E-06   167.0       82.81       167.0       83.51          UL-RL  3.4016E+05  -10.20       57.98
1.000       1.000       140.8       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   28.82     -1.9994E-06   169.7       84.15       169.7       84.83          UL-RL  3.4016E+05  -10.40       59.95
1.000       1.000       144.1       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   29.48     -1.9254E-06   172.3       85.49       172.3       86.14          UL-RL  3.4016E+05  -10.60       61.91
1.000       1.000       147.4       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   30.14     -1.8513E-06   174.9       86.83       174.9       87.46          UL-RL  3.4016E+05  -10.80       63.88
1.000       1.000       150.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   30.80     -1.7773E-06   177.5       88.17       177.5       88.77          UL-RL  3.4016E+05  -11.00       65.85
1.000       1.000       154.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   31.47     -1.7032E-06   180.2       89.51       180.2       90.09          UL-RL  3.4016E+05  -11.20       67.82
1.000       1.000       157.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   32.13     -1.6292E-06   182.8       90.85       182.8       91.41          UL-RL  3.4016E+05  -11.40       69.79
1.000       1.000       160.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   32.79     -1.5551E-06   185.4       92.19       185.4       92.72          UL-RL  3.4016E+05  -11.60       71.75
1.000       1.000       163.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   33.45     -1.4811E-06   188.1       93.53       188.1       94.04          UL-RL  3.4016E+05  -11.80       73.72
1.000       1.000       167.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   34.11     -1.4070E-06   190.7       94.88       190.7       95.35          UL-RL  3.4016E+05  -12.00       75.69
1.000       1.000       170.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   34.78     -1.3329E-06   193.3       96.22       193.3       96.67          UL-RL  3.4016E+05  -12.20       77.66
1.000       1.000       173.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   35.44     -1.2589E-06   196.0       97.56       196.0       97.99          UL-RL  3.4016E+05  -12.40       79.63
1.000       1.000       177.2       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   36.10     -1.1848E-06   198.6       98.90       198.6       99.30          UL-RL  3.4016E+05  -12.60       81.60
1.000       1.000       180.5       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   36.76     -1.1108E-06   201.2       100.2       201.2       100.6          UL-RL  3.4016E+05  -12.80       83.56
1.000       1.000       183.8       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   37.42     -1.0367E-06   203.9       101.6       203.9       101.9          UL-RL  3.4016E+05  -13.00       85.53
1.000       1.000       187.1       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   38.08     -9.6268E-07   206.5       102.9       206.5       103.2          UL-RL  3.4016E+05  -13.20       87.50
1.000       1.000       190.4       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   38.75     -8.8863E-07   209.1       104.3       209.1       104.6          UL-RL  3.4016E+05  -13.40       89.47
1.000       1.000       193.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   39.41     -8.1458E-07   211.8       105.6       211.8       105.9          UL-RL  3.4016E+05  -13.60       91.44
1.000       1.000       197.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   40.07     -7.4053E-07   214.4       106.9       214.4       107.2          UL-RL  3.4016E+05  -13.80       93.40
1.000       1.000       200.4       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   40.73     -6.6647E-07   217.0       108.3       217.0       108.5          UL-RL  3.4016E+05  -14.00       95.37
1.000       1.000       203.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   41.39     -5.9242E-07   219.7       109.6       219.7       109.8          UL-RL  3.4016E+05  -14.20       97.34
1.000       1.000       207.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   42.06     -5.1837E-07   222.3       111.0       222.3       111.1          UL-RL  3.4016E+05  -14.40       99.31
1.000       1.000       210.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   42.72     -4.4432E-07   224.9       112.3       224.9       112.5          UL-RL  3.4016E+05  -14.60       101.3
1.000       1.000       213.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   43.38     -3.7027E-07   227.6       113.7       227.6       113.8          UL-RL  3.4016E+05  -14.80       103.2
1.000       1.000       216.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   44.04     -2.9621E-07   230.2       115.0       230.2       115.1          UL-RL  3.4016E+05  -15.00       105.2
1.000       1.000       220.2       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   44.70     -2.2216E-07   232.8       116.3       232.8       116.4          UL-RL  3.4016E+05  -15.20       107.2
1.000       1.000       223.5       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   45.36     -1.4811E-07   235.5       117.7       235.5       117.7          UL-RL  3.4016E+05  -15.40       109.1
1.000       1.000       226.8       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   46.03     -7.4056E-08   238.1       119.0       238.1       119.0          UL-RL  3.4016E+05  -15.60       111.1
1.000       1.000       230.1       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   23.34      1.7496E-19   240.7       120.4       240.7       120.4           V-C  1.1339E+05  -15.80       113.1
1.000       1.000       233.4       0.000       0.000       0.000       0.000     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:36:15                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                          :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      1.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   1.600       0.000       32.00       16.00       32.00       16.00            V-C  1.4435E+05  -1.600       0.000
1.000       1.000       16.00       0.000       0.000       0.000       0.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D   3.600       0.000       36.00       18.00       36.00       18.00            V-C  1.4435E+05  -1.800       0.000
1.000       1.000       18.00       0.000       0.000       0.000       0.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   4.000       0.000       40.00       20.00       40.00       20.00            V-C  1.4435E+05  -2.000       0.000
1.000       1.000       20.00       0.000       0.000       0.000       0.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   4.400       0.000       44.00       22.00       44.00       22.00            V-C  1.4435E+05  -2.200       0.000
1.000       1.000       22.00       0.000       0.000       0.000       0.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   4.800       0.000       48.00       24.00       48.00       24.00            V-C  1.4435E+05  -2.400       0.000
1.000       1.000       24.00       0.000       0.000       0.000       0.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   5.200       0.000       52.00       26.00       52.00       26.00            V-C  1.4435E+05  -2.600       0.000
1.000       1.000       26.00       0.000       0.000       0.000       0.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   5.600       0.000       56.00       28.00       56.00       28.00            V-C  1.4435E+05  -2.800       0.000
1.000       1.000       28.00       0.000       0.000       0.000       0.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   6.000       0.000       60.00       30.00       60.00       30.00            V-C  1.4435E+05  -3.000       0.000
1.000       1.000       30.00       0.000       0.000       0.000       0.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   6.400       0.000       64.00       32.00       64.00       32.00            V-C  8.9677E+04  -3.200       0.000
1.000       1.000       32.00       0.000       0.000       0.000       0.000     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   6.860       0.000       68.60       34.30       68.60       34.30            V-C  8.9677E+04  -3.400       0.000
1.000       1.000       34.30       0.000       0.000       0.000       0.000     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   7.320       0.000       73.20       36.60       73.20       36.60            V-C  8.9677E+04  -3.600       0.000
1.000       1.000       36.60       0.000       0.000       0.000       0.000     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   7.780       0.000       77.80       38.90       77.80       38.90            V-C  8.9677E+04  -3.800       0.000
1.000       1.000       38.90       0.000       0.000       0.000       0.000     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   8.240       0.000       82.40       41.20       82.40       41.20            V-C  8.9677E+04  -4.000       0.000
1.000       1.000       41.20       0.000       0.000       0.000       0.000     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   8.700       0.000       87.00       43.50       87.00       43.50            V-C  8.9677E+04  -4.200       0.000
1.000       1.000       43.50       0.000       0.000       0.000       0.000     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   9.179       1.0474E-06  91.60       45.89       91.60       45.89            V-C  8.9677E+04  -4.400       0.000
1.000       1.000       45.89       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   9.680       3.3368E-06  96.20       48.40       96.20       48.40            V-C  8.9677E+04  -4.600       0.000
1.000       1.000       48.40       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   10.29       4.0729E-06  99.46       50.10       99.46       50.10            V-C  8.9677E+04  -4.800       1.335
1.000       1.000       51.43       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   10.95       3.9988E-06  102.0       51.37       102.0       51.37            V-C  8.9677E+04  -5.000       3.367
1.000       1.000       54.74       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   11.61       3.9248E-06  104.6       52.65       104.6       52.65            V-C  8.9677E+04  -5.200       5.399
1.000       1.000       58.05       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   12.27       3.8507E-06  107.2       53.93       107.2       53.93            V-C  8.9677E+04  -5.400       7.431
1.000       1.000       61.36       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   12.93       3.7767E-06  109.7       55.21       109.7       55.21            V-C  8.9677E+04  -5.600       9.463
1.000       1.000       64.67       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   13.60       3.7026E-06  112.3       56.48       112.3       56.48            V-C  8.9677E+04  -5.800       11.49
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1.000       1.000       67.98       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   14.26      3.6286E-06   114.9       57.76       114.9       57.76           V-C  8.9677E+04  -6.000       13.53
1.000       1.000       71.29       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   14.92      3.5545E-06   117.4       59.04       117.4       59.04           V-C  8.9677E+04  -6.200       15.56
1.000       1.000       74.60       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   15.58      3.4805E-06   120.0       60.32       120.0       60.32           V-C  8.9677E+04  -6.400       17.59
1.000       1.000       77.91       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   16.24      3.4064E-06   122.6       61.59       122.6       61.59           V-C  8.9677E+04  -6.600       19.62
1.000       1.000       81.22       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   16.91      3.3324E-06   125.1       62.87       125.1       62.87           V-C  8.9677E+04  -6.800       21.65
1.000       1.000       84.53       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   17.57      3.2583E-06   127.7       64.15       127.7       64.15           V-C  8.9677E+04  -7.000       23.69
1.000       1.000       87.83       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   18.23      3.1843E-06   130.3       65.43       130.3       65.43           V-C  8.9677E+04  -7.200       25.72
1.000       1.000       91.14       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   18.89      3.1102E-06   132.9       66.70       132.9       66.70           V-C  8.9677E+04  -7.400       27.75
1.000       1.000       94.45       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   19.55      3.0361E-06   135.4       67.98       135.4       67.98           V-C  8.9677E+04  -7.600       29.78
1.000       1.000       97.76       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   20.21      2.9621E-06   138.0       69.26       138.0       69.26           V-C  8.9677E+04  -7.800       31.81
1.000       1.000       101.1       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   20.88      2.8880E-06   140.6       70.54       140.6       70.54           V-C  8.9677E+04  -8.000       33.84
1.000       1.000       104.4       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   21.54      2.8140E-06   143.1       71.81       143.1       71.81           V-C  8.9677E+04  -8.200       35.88
1.000       1.000       107.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   22.20      2.7399E-06   145.7       73.09       145.7       73.09           V-C  8.9677E+04  -8.400       37.91
1.000       1.000       111.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   22.86      2.6659E-06   148.3       74.37       148.3       74.37           V-C  8.9677E+04  -8.600       39.94
1.000       1.000       114.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   23.52      2.5918E-06   150.8       75.65       150.8       75.65           V-C  8.9677E+04  -8.800       41.97
1.000       1.000       117.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   24.19      2.5178E-06   153.4       76.92       153.4       76.92           V-C  8.9677E+04  -9.000       44.00
1.000       1.000       120.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   24.85      2.4437E-06   156.0       78.20       156.0       78.20           V-C  8.9677E+04  -9.200       46.04
1.000       1.000       124.2       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   25.51      2.3697E-06   158.5       79.48       158.5       79.48           V-C  8.9677E+04  -9.400       48.07
1.000       1.000       127.5       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   26.17      2.2956E-06   161.1       80.76       161.1       80.76           V-C  8.9677E+04  -9.600       50.10
1.000       1.000       130.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   26.83      2.2216E-06   163.7       82.03       163.7       82.03           V-C  8.9677E+04  -9.800       52.13
1.000       1.000       134.2       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   27.49      2.1475E-06   166.2       83.31       166.2       83.31           V-C  8.9677E+04  -10.00       54.16
1.000       1.000       137.5       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   28.16      2.0735E-06   168.8       84.59       168.8       84.59           V-C  8.9677E+04  -10.20       56.19
1.000       1.000       140.8       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   28.82      1.9994E-06   171.4       85.87       171.4       85.87           V-C  8.9677E+04  -10.40       58.23
1.000       1.000       144.1       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   29.48      1.9254E-06   173.9       87.14       173.9       87.14           V-C  8.9677E+04  -10.60       60.26
1.000       1.000       147.4       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   30.14      1.8513E-06   176.5       88.42       176.5       88.42           V-C  8.9677E+04  -10.80       62.29
1.000       1.000       150.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   30.80      1.7773E-06   179.1       89.70       179.1       89.70           V-C  8.9677E+04  -11.00       64.32
1.000       1.000       154.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   31.47      1.7032E-06   181.6       90.98       181.6       90.98           V-C  8.9677E+04  -11.20       66.35
1.000       1.000       157.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   32.13      1.6292E-06   184.2       92.25       184.2       92.25           V-C  8.9677E+04  -11.40       68.39
1.000       1.000       160.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   32.79      1.5551E-06   186.8       93.53       186.8       93.53           V-C  8.9677E+04  -11.60       70.42
1.000       1.000       163.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   33.45      1.4811E-06   189.4       94.81       189.4       94.81           V-C  8.9677E+04  -11.80       72.45
1.000       1.000       167.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   34.11      1.4070E-06   191.9       96.09       191.9       96.09            V-C  8.9677E+04  -12.00       74.48
1.000       1.000       170.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   34.78      1.3329E-06   194.5       97.36       194.5       97.36            V-C  8.9677E+04  -12.20       76.51
1.000       1.000       173.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   35.44      1.2589E-06   197.1       98.64       197.1       98.64            V-C  8.9677E+04  -12.40       78.54
1.000       1.000       177.2       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   36.10      1.1848E-06   199.6       99.92       199.6       99.92            V-C  8.9677E+04  -12.60       80.58
1.000       1.000       180.5       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   36.76      1.1108E-06   202.2       101.2       202.2       101.2            V-C  8.9677E+04  -12.80       82.61
1.000       1.000       183.8       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   37.42      1.0367E-06   204.8       102.5       204.8       102.5            V-C  8.9677E+04  -13.00       84.64
1.000       1.000       187.1       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   38.08      9.6268E-07   207.3       103.8       207.3       103.8            V-C  8.9677E+04  -13.20       86.67
1.000       1.000       190.4       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   38.75      8.8863E-07   209.9       105.0       209.9       105.0            V-C  8.9677E+04  -13.40       88.70
1.000       1.000       193.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   39.41      8.1458E-07   212.5       106.3       212.5       106.3            V-C  8.9677E+04  -13.60       90.74
1.000       1.000       197.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   40.07      7.4053E-07   215.0       107.6       215.0       107.6            V-C  8.9677E+04  -13.80       92.77
1.000       1.000       200.4       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   40.73      6.6647E-07   217.6       108.9       217.6       108.9            V-C  8.9677E+04  -14.00       94.80
1.000       1.000       203.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   41.39      5.9242E-07   220.2       110.1       220.2       110.1            V-C  8.9677E+04  -14.20       96.83
1.000       1.000       207.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   42.06      5.1837E-07   222.7       111.4       222.7       111.4            V-C  8.9677E+04  -14.40       98.86
1.000       1.000       210.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   42.72      4.4432E-07   225.3       112.7       225.3       112.7            V-C  8.9677E+04  -14.60       100.9
1.000       1.000       213.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   43.38      3.7027E-07   227.9       114.0       227.9       114.0            V-C  8.9677E+04  -14.80       102.9
1.000       1.000       216.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   44.04      2.9621E-07   230.4       115.2       230.4       115.2            V-C  8.9677E+04  -15.00       105.0
1.000       1.000       220.2       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   44.70      2.2216E-07   233.0       116.5       233.0       116.5            V-C  8.9677E+04  -15.20       107.0
1.000       1.000       223.5       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   45.36      1.4811E-07   235.6       117.8       235.6       117.8            V-C  8.9677E+04  -15.40       109.0
1.000       1.000       226.8       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   46.03      7.4056E-08   238.1       119.1       238.1       119.1            V-C  8.9677E+04  -15.60       111.1
1.000       1.000       230.1       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   23.34     -1.7496E-19   240.7       120.4       240.7       120.4            V-C  8.9677E+04  -15.80       113.1
1.000       1.000       233.4       0.000       0.000       0.000       0.000     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_9503   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   71
C U R R E N T   T I M E   I S   1.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

   EL   TA   TB   MA   MB

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER   0 RNORM = 0.000   RMNORM= 0.000
           RINORM=0.9101E+05 RIMNOR= 0.000
           RENORM=0.3798E-03 REMNOR= 0.000   RATIO =0.6460E-04 TOLER =0.1000E-03   CONVERGED !
           RFMAX = 44.37   RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9101E+05 RDR   = 0.000
           RATIOT=0.6460E-04 RATIOR= 0.000
           MAX UN= 0.000   IEQ=   144 NODE   72 DOF   2   X-ROT. F
           MIN UN=-.6915E-02 IEQ=   33 NODE   17 DOF   1 Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS   0

ITER   1 RNORM = 0.000   RMNORM= 0.000
           RINORM=0.9101E+05 RIMNOR= 0.000
           RENORM=0.7991E-27 REMNOR= 0.000   RATIO =0.9370E-16 TOLER =0.1000E-03   CONVERGED !
           RFMAX = 44.37   RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9101E+05 RDR   = 0.000
           RATIOT=0.9370E-16 RATIOR= 0.000
           MAX UN=0.1421E-13 IEQ=   121 NODE   61 DOF   1 Y-DISPL.F
           MIN UN=-.1421E-13 IEQ=   117 NODE   59 DOF   1 Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS   0

ITER   2 RNORM = 0.000   RMNORM= 0.000
           RINORM=0.9101E+05 RIMNOR= 0.000
           RENORM=0.6003E-27 REMNOR= 0.000   RATIO =0.8122E-16 TOLER =0.1000E-03   CONVERGED !
           RFMAX = 44.37   RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9101E+05 RDR   = 0.000
           RATIOT=0.8122E-16 RATIOR= 0.000
           MAX UN=0.1421E-13 IEQ=   117 NODE   59 DOF   1 Y-DISPL.F
           MIN UN=-.1421E-13 IEQ=   121 NODE   61 DOF   1 Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS   0

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :27 January 2022   16:36:15                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    2     ( AT TIME   2.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
   15   1.0300722E-06    0.000000
   16   3.2866959E-06    0.000000
   17   4.0161247E-06    0.000000
   18   3.9465850E-06    0.000000
   19   3.8766036E-06    0.000000
   20   3.8062343E-06    0.000000
   21   3.7355238E-06    0.000000
   22   3.6645117E-06    0.000000
   23   3.5932322E-06    0.000000
   24   3.5217151E-06    0.000000
   25   3.4499851E-06    0.000000
   26   3.3780649E-06    0.000000
   27   3.3059740E-06    0.000000
   28   3.2337293E-06    0.000000
   29   3.1613462E-06    0.000000
   30   3.0888373E-06    0.000000
   31   3.0162145E-06    0.000000
   32   2.9434883E-06    0.000000
   33   2.8706679E-06    0.000000
   34   2.7977617E-06    0.000000
   35   2.7247769E-06    0.000000
   36   2.6517202E-06    0.000000
   37   2.5785979E-06    0.000000
   38   2.5054147E-06    0.000000
   39   2.4321757E-06    0.000000
   40   2.3588854E-06    0.000000
   41   2.2855476E-06    0.000000
   42   2.2121664E-06    0.000000
   43   2.1387442E-06    0.000000
   44   2.0652826E-06    0.000000
   45   1.9917917E-06    0.000000
   46   1.9182647E-06    0.000000
   47   1.8447076E-06    0.000000
   48   1.7711224E-06    0.000000
   49   1.6975111E-06    0.000000
   50   1.6238755E-06    0.000000
   51   1.5502170E-06    0.000000
   52   1.4765373E-06    0.000000
   53   1.4028376E-06    0.000000
   54   1.3291193E-06    0.000000
   55   1.2553836E-06    0.000000
   56   1.1816314E-06    0.000000
   57   1.1078638E-06    0.000000
   58   1.0340817E-06    0.000000
   59   9.6028604E-07    0.000000
   60   8.8647756E-07    0.000000
   61   8.1265701E-07    0.000000
   62   7.3882510E-07    0.000000
   63   6.6498246E-07    0.000000
   64   5.9112969E-07    0.000000
   65   5.1726738E-07    0.000000
   66   4.4339603E-07    0.000000
   67   3.6951613E-07    0.000000
   68   2.9562816E-07    0.000000
   69   2.2173254E-07    0.000000
   70   1.4782968E-07    0.000000
   71   7.3919942E-08    0.000000
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:36:15                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                        :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      2.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000       0.000       0.000       0.000       32.00       16.00          UL-RL  4.6382E+05  -1.600       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D   1.200       0.000       4.000       6.000       36.00       18.00          UL-RL  4.6382E+05  -1.800       0.000
1.000       1.000       6.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.789       0.000       8.000       8.944       40.00       20.00          UL-RL  4.6382E+05  -2.000       0.000
1.000       1.000       8.944       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   2.298       0.000       12.00       11.49       44.00       22.00          UL-RL  4.6382E+05  -2.200       0.000
1.000       1.000       11.49       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   2.771       0.000       16.00       13.86       48.00       24.00          UL-RL  4.6382E+05  -2.400       0.000
1.000       1.000       13.86       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   3.225       0.000       20.00       16.12       52.00       26.00          UL-RL  4.6382E+05  -2.600       0.000
1.000       1.000       16.12       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   3.666       0.000       24.00       18.33       56.00       28.00          UL-RL  4.6382E+05  -2.800       0.000
1.000       1.000       18.33       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   4.099       0.000       28.00       20.49       60.00       30.00          UL-RL  4.6382E+05  -3.000       0.000
1.000       1.000       20.49       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   4.525       0.000       32.00       22.63       64.00       32.00          UL-RL  3.4016E+05  -3.200       0.000
1.000       1.000       22.63       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   5.011       0.000       36.60       25.05       68.60       34.30          UL-RL  3.4016E+05  -3.400       0.000
1.000       1.000       25.05       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   5.492       0.000       41.20       27.46       73.20       36.60          UL-RL  3.4016E+05  -3.600       0.000
1.000       1.000       27.46       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   5.969       0.000       45.80       29.85       77.80       38.90          UL-RL  3.4016E+05  -3.800       0.000
1.000       1.000       29.85       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   6.444       0.000       50.40       32.22       82.40       41.20          UL-RL  3.4016E+05  -4.000       0.000
1.000       1.000       32.22       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   6.917       0.000       55.00       34.59       87.00       43.50          UL-RL  3.4016E+05  -4.200       0.000
1.000       1.000       34.59       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   7.407     -1.0301E-06   58.70       36.13       90.70       45.35          UL-RL  3.4016E+05  -4.400       0.9004
1.000       1.000       37.03       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   7.916     -3.2867E-06   61.33       36.71       93.33       46.67          UL-RL  3.4016E+05  -4.600       2.869
1.000       1.000       39.58       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   8.529     -4.0161E-06   63.96       37.81       95.96       47.98          UL-RL  3.4016E+05  -4.800       4.837
1.000       1.000       42.64       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   9.196     -3.9466E-06   66.60       39.17       98.60       49.30          UL-RL  3.4016E+05  -5.000       6.805
1.000       1.000       45.98       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   9.862     -3.8766E-06   69.23       40.54       101.2       50.61          UL-RL  3.4016E+05  -5.200       8.773
1.000       1.000       49.31       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   10.53     -3.8062E-06   71.86       41.90       103.9       51.93          UL-RL  3.4016E+05  -5.400       10.74
1.000       1.000       52.64       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   11.19     -3.7355E-06   74.49       43.26       106.5       53.25          UL-RL  3.4016E+05  -5.600       12.71
1.000       1.000       55.97       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   11.86     -3.6645E-06   77.12       44.62       109.1       54.56          UL-RL  3.4016E+05  -5.800       14.68
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1.000       1.000       59.30       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   12.53     -3.5932E-06   79.75       45.98       111.8       55.88          UL-RL  3.4016E+05  -6.000       16.65
1.000       1.000       62.63       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   13.19     -3.5217E-06   82.39       47.34       114.4       57.19          UL-RL  3.4016E+05  -6.200       18.61
1.000       1.000       65.95       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   13.86     -3.4500E-06   85.02       48.70       117.0       58.51          UL-RL  3.4016E+05  -6.400       20.58
1.000       1.000       69.28       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   14.52     -3.3781E-06   87.65       50.05       119.6       59.82          UL-RL  3.4016E+05  -6.600       22.55
1.000       1.000       72.60       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   15.19     -3.3060E-06   90.28       51.41       122.3       61.14          UL-RL  3.4016E+05  -6.800       24.52
1.000       1.000       75.93       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   15.85     -3.2337E-06   92.91       52.77       124.9       62.46          UL-RL  3.4016E+05  -7.000       26.49
1.000       1.000       79.25       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   16.52     -3.1613E-06   95.55       54.12       127.5       63.77          UL-RL  3.4016E+05  -7.200       28.45
1.000       1.000       82.58       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   17.18     -3.0888E-06   98.18       55.47       130.2       65.09          UL-RL  3.4016E+05  -7.400       30.42
1.000       1.000       85.90       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   17.84     -3.0162E-06   100.8       56.83       132.8       66.40          UL-RL  3.4016E+05  -7.600       32.39
1.000       1.000       89.22       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   18.51     -2.9435E-06   103.4       58.18       135.4       67.72          UL-RL  3.4016E+05  -7.800       34.36
1.000       1.000       92.54       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   19.17     -2.8707E-06   106.1       59.53       138.1       69.04          UL-RL  3.4016E+05  -8.000       36.33
1.000       1.000       95.86       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   19.84     -2.7978E-06   108.7       60.89       140.7       70.35          UL-RL  3.4016E+05  -8.200       38.30
1.000       1.000       99.18       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   20.50     -2.7248E-06   111.3       62.24       143.3       71.67          UL-RL  3.4016E+05  -8.400       40.26
1.000       1.000       102.5       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   21.16     -2.6517E-06   114.0       63.59       146.0       72.98          UL-RL  3.4016E+05  -8.600       42.23
1.000       1.000       105.8       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   21.83     -2.5786E-06   116.6       64.94       148.6       74.30          UL-RL  3.4016E+05  -8.800       44.20
1.000       1.000       109.1       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   22.49     -2.5054E-06   119.2       66.29       151.2       75.62          UL-RL  3.4016E+05  -9.000       46.17
1.000       1.000       112.5       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   23.16     -2.4322E-06   121.9       67.64       153.9       76.93          UL-RL  3.4016E+05  -9.200       48.14
1.000       1.000       115.8       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   23.82     -2.3589E-06   124.5       68.99       156.5       78.25          UL-RL  3.4016E+05  -9.400       50.10
1.000       1.000       119.1       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   24.48     -2.2855E-06   127.1       70.34       159.1       79.56          UL-RL  3.4016E+05  -9.600       52.07
1.000       1.000       122.4       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   25.15     -2.2122E-06   129.8       71.69       161.8       80.88          UL-RL  3.4016E+05  -9.800       54.04
1.000       1.000       125.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   25.81     -2.1387E-06   132.4       73.04       164.4       82.20          UL-RL  3.4016E+05  -10.00       56.01
1.000       1.000       129.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   26.47     -2.0653E-06   135.0       74.38       167.0       83.51          UL-RL  3.4016E+05  -10.20       57.98
1.000       1.000       132.4       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   27.14     -1.9918E-06   137.7       75.73       169.7       84.83          UL-RL  3.4016E+05  -10.40       59.95
1.000       1.000       135.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   27.80     -1.9183E-06   140.3       77.08       172.3       86.14          UL-RL  3.4016E+05  -10.60       61.91
1.000       1.000       139.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   28.46     -1.8447E-06   142.9       78.43       174.9       87.46          UL-RL  3.4016E+05  -10.80       63.88
1.000       1.000       142.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   29.13     -1.7711E-06   145.5       79.78       177.5       88.77          UL-RL  3.4016E+05  -11.00       65.85
1.000       1.000       145.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   29.79     -1.6975E-06   148.2       81.12       180.2       90.09          UL-RL  3.4016E+05  -11.20       67.82
1.000       1.000       148.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   30.45     -1.6239E-06   150.8       82.47       182.8       91.41          UL-RL  3.4016E+05  -11.40       69.79
1.000       1.000       152.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   31.11     -1.5502E-06   153.4       83.82       185.4       92.72          UL-RL  3.4016E+05  -11.60       71.75
1.000       1.000       155.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   31.78     -1.4765E-06   156.1       85.16       188.1       94.04          UL-RL  3.4016E+05  -11.80       73.72
1.000       1.000       158.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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53 D	32.44	-1.4028E-06	158.7	86.51	190.7	95.35	UL-RL	3.4016E+05	-12.00	75.69	
1.000	1.000	162.2	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
54 D	33.10	-1.3291E-06	161.3	87.86	193.3	96.67	UL-RL	3.4016E+05	-12.20	77.66	
1.000	1.000	165.5	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
55 D	33.77	-1.2554E-06	164.0	89.20	196.0	97.99	UL-RL	3.4016E+05	-12.40	79.63	
1.000	1.000	168.8	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
56 D	34.43	-1.1816E-06	166.6	90.55	198.6	99.30	UL-RL	3.4016E+05	-12.60	81.60	
1.000	1.000	172.1	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
57 D	35.09	-1.1079E-06	169.2	91.90	201.2	100.6	UL-RL	3.4016E+05	-12.80	83.56	
1.000	1.000	175.5	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
58 D	35.75	-1.0341E-06	171.9	93.24	203.9	101.9	UL-RL	3.4016E+05	-13.00	85.53	
1.000	1.000	178.8	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
59 D	36.42	-9.6029E-07	174.5	94.59	206.5	103.2	UL-RL	3.4016E+05	-13.20	87.50	
1.000	1.000	182.1	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
60 D	37.08	-8.8648E-07	177.1	95.93	209.1	104.6	UL-RL	3.4016E+05	-13.40	89.47	
1.000	1.000	185.4	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
61 D	37.74	-8.1266E-07	179.8	97.28	211.8	105.9	UL-RL	3.4016E+05	-13.60	91.44	
1.000	1.000	188.7	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
62 D	38.41	-7.3883E-07	182.4	98.62	214.4	107.2	UL-RL	3.4016E+05	-13.80	93.40	
1.000	1.000	192.0	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
63 D	39.07	-6.6498E-07	185.0	99.97	217.0	108.5	UL-RL	3.4016E+05	-14.00	95.37	
1.000	1.000	195.3	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
64 D	39.73	-5.9113E-07	187.7	101.3	219.7	109.8	UL-RL	3.4016E+05	-14.20	97.34	
1.000	1.000	198.7	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
65 D	40.39	-5.1727E-07	190.3	102.7	222.3	111.1	UL-RL	3.4016E+05	-14.40	99.31	
1.000	1.000	202.0	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
66 D	41.06	-4.4340E-07	192.9	104.0	224.9	112.5	UL-RL	3.4016E+05	-14.60	101.3	
1.000	1.000	205.3	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
67 D	41.72	-3.6952E-07	195.6	105.3	227.6	113.8	UL-RL	3.4016E+05	-14.80	103.2	
1.000	1.000	208.6	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
68 D	42.38	-2.9563E-07	198.2	106.7	230.2	115.1	UL-RL	3.4016E+05	-15.00	105.2	
1.000	1.000	211.9	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
69 D	43.04	-2.2173E-07	200.8	108.0	232.8	116.4	UL-RL	3.4016E+05	-15.20	107.2	
1.000	1.000	215.2	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
70 D	43.71	-1.4783E-07	203.5	109.4	235.5	117.7	UL-RL	3.4016E+05	-15.40	109.1	
1.000	1.000	218.5	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
71 D	44.37	-7.3920E-08	206.1	110.7	238.1	119.0	UL-RL	3.4016E+05	-15.60	111.1	
1.000	1.000	221.8	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
72 D	22.52	2.9159E-19	208.7	112.1	240.7	120.4	UL-RL	3.4016E+05	-15.80	113.1	
1.000	1.000	225.2	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                            ParatiePlus                                                                |
|                                  Exe Time :27 January 2022   16:36:15                                                 |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      2.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
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-----------------------------------------------
   1 D   0.000       0.000       0.000       0.000       32.00       16.00          UL-RL  4.3304E+05  -1.600       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D   1.200       0.000       4.000       6.000       36.00       18.00          UL-RL  4.3304E+05  -1.800       0.000
1.000       1.000       6.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.789       0.000       8.000       8.944       40.00       20.00          UL-RL  4.3304E+05  -2.000       0.000
1.000       1.000       8.944       0.000       0.000       8.000       8.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   2.298       0.000       12.00       11.49       44.00       22.00          UL-RL  4.3304E+05  -2.200       0.000
1.000       1.000       11.49       0.000       0.000       8.000       8.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   2.771       0.000       16.00       13.86       48.00       24.00          UL-RL  4.3304E+05  -2.400       0.000
1.000       1.000       13.86       0.000       0.000       8.000       8.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   3.225       0.000       20.00       16.12       52.00       26.00          UL-RL  4.3304E+05  -2.600       0.000
1.000       1.000       16.12       0.000       0.000       8.000       8.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   3.666       0.000       24.00       18.33       56.00       28.00          UL-RL  4.3304E+05  -2.800       0.000
1.000       1.000       18.33       0.000       0.000       8.000       8.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   4.099       0.000       28.00       20.49       60.00       30.00          UL-RL  4.3304E+05  -3.000       0.000
1.000       1.000       20.49       0.000       0.000       8.000       8.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   4.525       0.000       32.00       22.63       64.00       32.00          UL-RL  2.6903E+05  -3.200       0.000
1.000       1.000       22.63       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   5.011       0.000       36.60       25.05       68.60       34.30          UL-RL  2.6903E+05  -3.400       0.000
1.000       1.000       25.05       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   5.492       0.000       41.20       27.46       73.20       36.60          UL-RL  2.6903E+05  -3.600       0.000
1.000       1.000       27.46       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   5.969       0.000       45.80       29.85       77.80       38.90          UL-RL  2.6903E+05  -3.800       0.000
1.000       1.000       29.85       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   6.444       0.000       50.40       32.22       82.40       41.20          UL-RL  2.6903E+05  -4.000       0.000
1.000       1.000       32.22       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   6.917       0.000       55.00       34.59       87.00       43.50          UL-RL  2.6903E+05  -4.200       0.000
1.000       1.000       34.59       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   7.407      1.0301E-06   59.60       37.03       91.60       45.89          UL-RL  2.6903E+05  -4.400       0.000
1.000       1.000       37.03       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   7.916      3.2867E-06   64.20       39.58       96.20       48.40          UL-RL  2.6903E+05  -4.600       0.000
1.000       1.000       39.58       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   8.529      4.0161E-06   67.46       41.31       99.46       50.10          UL-RL  2.6903E+05  -4.800       1.335
1.000       1.000       42.64       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   9.196      3.9466E-06   70.03       42.61       102.0       51.37          UL-RL  2.6903E+05  -5.000       3.367
1.000       1.000       45.98       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   9.862      3.8766E-06   72.60       43.91       104.6       52.65          UL-RL  2.6903E+05  -5.200       5.399
1.000       1.000       49.31       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   10.53      3.8062E-06   75.17       45.21       107.2       53.93          UL-RL  2.6903E+05  -5.400       7.431
1.000       1.000       52.64       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   11.19      3.7355E-06   77.74       46.51       109.7       55.21          UL-RL  2.6903E+05  -5.600       9.463
1.000       1.000       55.97       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   11.86      3.6645E-06   80.31       47.81       112.3       56.48          UL-RL  2.6903E+05  -5.800       11.49
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1.000       1.000       59.30       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   12.53      3.5932E-06   82.87       49.10       114.9       57.76          UL-RL  2.6903E+05  -6.000       13.53
1.000       1.000       62.63       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   13.19      3.5217E-06   85.44       50.40       117.4       59.04          UL-RL  2.6903E+05  -6.200       15.56
1.000       1.000       65.95       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   13.86      3.4500E-06   88.01       51.69       120.0       60.32          UL-RL  2.6903E+05  -6.400       17.59
1.000       1.000       69.28       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   14.52      3.3781E-06   90.58       52.98       122.6       61.59          UL-RL  2.6903E+05  -6.600       19.62
1.000       1.000       72.60       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   15.19      3.3060E-06   93.15       54.28       125.1       62.87          UL-RL  2.6903E+05  -6.800       21.65
1.000       1.000       75.93       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   15.85      3.2337E-06   95.71       55.57       127.7       64.15          UL-RL  2.6903E+05  -7.000       23.69
1.000       1.000       79.25       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   16.52      3.1613E-06   98.28       56.86       130.3       65.43          UL-RL  2.6903E+05  -7.200       25.72
1.000       1.000       82.58       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   17.18      3.0888E-06   100.9       58.15       132.9       66.70          UL-RL  2.6903E+05  -7.400       27.75
1.000       1.000       85.90       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   17.84      3.0162E-06   103.4       59.44       135.4       67.98          UL-RL  2.6903E+05  -7.600       29.78
1.000       1.000       89.22       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   18.51      2.9435E-06   106.0       60.73       138.0       69.26          UL-RL  2.6903E+05  -7.800       31.81
1.000       1.000       92.54       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   19.17      2.8707E-06   108.6       62.02       140.6       70.54          UL-RL  2.6903E+05  -8.000       33.84
1.000       1.000       95.86       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   19.84      2.7978E-06   111.1       63.30       143.1       71.81          UL-RL  2.6903E+05  -8.200       35.88
1.000       1.000       99.18       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   20.50      2.7248E-06   113.7       64.59       145.7       73.09          UL-RL  2.6903E+05  -8.400       37.91
1.000       1.000       102.5       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   21.16      2.6517E-06   116.3       65.88       148.3       74.37          UL-RL  2.6903E+05  -8.600       39.94
1.000       1.000       105.8       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   21.83      2.5786E-06   118.8       67.17       150.8       75.65          UL-RL  2.6903E+05  -8.800       41.97
1.000       1.000       109.1       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   22.49      2.5054E-06   121.4       68.45       153.4       76.92          UL-RL  2.6903E+05  -9.000       44.00
1.000       1.000       112.5       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   23.16      2.4322E-06   124.0       69.74       156.0       78.20          UL-RL  2.6903E+05  -9.200       46.04
1.000       1.000       115.8       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   23.82      2.3589E-06   126.5       71.03       158.5       79.48          UL-RL  2.6903E+05  -9.400       48.07
1.000       1.000       119.1       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   24.48      2.2855E-06   129.1       72.31       161.1       80.76          UL-RL  2.6903E+05  -9.600       50.10
1.000       1.000       122.4       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   25.15      2.2122E-06   131.7       73.60       163.7       82.03          UL-RL  2.6903E+05  -9.800       52.13
1.000       1.000       125.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   25.81      2.1387E-06   134.2       74.88       166.2       83.31          UL-RL  2.6903E+05  -10.00       54.16
1.000       1.000       129.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   26.47      2.0653E-06   136.8       76.17       168.8       84.59          UL-RL  2.6903E+05  -10.20       56.19
1.000       1.000       132.4       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   27.14      1.9918E-06   139.4       77.45       171.4       85.87          UL-RL  2.6903E+05  -10.40       58.23
1.000       1.000       135.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   27.80      1.9183E-06   141.9       78.74       173.9       87.14          UL-RL  2.6903E+05  -10.60       60.26
1.000       1.000       139.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   28.46      1.8447E-06   144.5       80.02       176.5       88.42          UL-RL  2.6903E+05  -10.80       62.29
1.000       1.000       142.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   29.13      1.7711E-06   147.1       81.30       179.1       89.70          UL-RL  2.6903E+05  -11.00       64.32
1.000       1.000       145.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   29.79      1.6975E-06   149.6       82.59       181.6       90.98          UL-RL  2.6903E+05  -11.20       66.35
1.000       1.000       148.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   30.45      1.6239E-06   152.2       83.87       184.2       92.25          UL-RL  2.6903E+05  -11.40       68.39
1.000       1.000       152.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   31.11      1.5502E-06   154.8       85.15       186.8       93.53          UL-RL  2.6903E+05  -11.60       70.42
1.000       1.000       155.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   31.78      1.4765E-06   157.4       86.44       189.4       94.81          UL-RL  2.6903E+05  -11.80       72.45
1.000       1.000       158.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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53 D	32.44	1.4028E-06	159.9	87.72	191.9	96.09	UL-RL	2.6903E+05	-12.00	74.48
1.000	1.000	162.2	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
54 D	33.10	1.3291E-06	162.5	89.00	194.5	97.36	UL-RL	2.6903E+05	-12.20	76.51
1.000	1.000	165.5	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
55 D	33.77	1.2554E-06	165.1	90.29	197.1	98.64	UL-RL	2.6903E+05	-12.40	78.54
1.000	1.000	168.8	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
56 D	34.43	1.1816E-06	167.6	91.57	199.6	99.92	UL-RL	2.6903E+05	-12.60	80.58
1.000	1.000	172.1	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
57 D	35.09	1.1079E-06	170.2	92.85	202.2	101.2	UL-RL	2.6903E+05	-12.80	82.61
1.000	1.000	175.5	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
58 D	35.75	1.0341E-06	172.8	94.13	204.8	102.5	UL-RL	2.6903E+05	-13.00	84.64
1.000	1.000	178.8	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
59 D	36.42	9.6029E-07	175.3	95.41	207.3	103.8	UL-RL	2.6903E+05	-13.20	86.67
1.000	1.000	182.1	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
60 D	37.08	8.8648E-07	177.9	96.70	209.9	105.0	UL-RL	2.6903E+05	-13.40	88.70
1.000	1.000	185.4	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
61 D	37.74	8.1266E-07	180.5	97.98	212.5	106.3	UL-RL	2.6903E+05	-13.60	90.74
1.000	1.000	188.7	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
62 D	38.41	7.3883E-07	183.0	99.26	215.0	107.6	UL-RL	2.6903E+05	-13.80	92.77
1.000	1.000	192.0	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
63 D	39.07	6.6498E-07	185.6	100.5	217.6	108.9	UL-RL	2.6903E+05	-14.00	94.80
1.000	1.000	195.3	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
64 D	39.73	5.9113E-07	188.2	101.8	220.2	110.1	UL-RL	2.6903E+05	-14.20	96.83
1.000	1.000	198.7	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
65 D	40.39	5.1727E-07	190.7	103.1	222.7	111.4	UL-RL	2.6903E+05	-14.40	98.86
1.000	1.000	202.0	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
66 D	41.06	4.4340E-07	193.3	104.4	225.3	112.7	UL-RL	2.6903E+05	-14.60	100.9
1.000	1.000	205.3	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
67 D	41.72	3.6952E-07	195.9	105.7	227.9	114.0	UL-RL	2.6903E+05	-14.80	102.9
1.000	1.000	208.6	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
68 D	42.38	2.9563E-07	198.4	106.9	230.4	115.2	UL-RL	2.6903E+05	-15.00	105.0
1.000	1.000	211.9	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
69 D	43.04	2.2173E-07	201.0	108.2	233.0	116.5	UL-RL	2.6903E+05	-15.20	107.0
1.000	1.000	215.2	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
70 D	43.71	1.4783E-07	203.6	109.5	235.6	117.8	UL-RL	2.6903E+05	-15.40	109.0
1.000	1.000	218.5	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
71 D	44.37	7.3920E-08	206.1	110.8	238.1	119.1	UL-RL	2.6903E+05	-15.60	111.1
1.000	1.000	221.8	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
72 D	22.52	-2.9159E-19	208.7	112.1	240.7	120.4	UL-RL	2.6903E+05	-15.80	113.1
1.000	1.000	225.2	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						

New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_9503   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   71
C U R R E N T   T I M E   I S   2.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

   EL   TA   TB   MA   MB

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER   0 RNORM = 0.000   RMNORM= 0.000
           RINORM=0.9101E+05 RIMNOR= 0.000
           RENORM=0.6003E-27 REMNOR= 0.000   RATIO =0.8122E-16 TOLER =0.1000E-03   CONVERGED !
           RFMAX = 44.37   RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9101E+05 RDR   = 0.000
           RATIOT=0.8122E-16 RATIOR= 0.000
           MAX UN=0.1421E-13 IEQ=   117 NODE   59 DOF   1 Y-DISPL.F
           MIN UN=-.1421E-13 IEQ=   121 NODE   61 DOF   1 Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS   0

ITER   1 RNORM = 0.000   RMNORM= 0.000
           RINORM=0.9101E+05 RIMNOR= 0.000
           RENORM=0.2420E-21 REMNOR=0.9104E-24 RATIO =0.5156E-13 TOLER =0.1000E-03   CONVERGED !
           RFMAX = 44.37   RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9101E+05 RDR   = 0.000
           RATIOT=0.5156E-13 RATIOR= 0.000
           MAX UN=0.6150E-11 IEQ=   35 NODE   18 DOF   1 Y-DISPL.F
           MIN UN=-.6253E-11 IEQ=   37 NODE   19 DOF   1 Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS   0

ITER   2 RNORM = 0.000   RMNORM= 0.000
           RINORM=0.9101E+05 RIMNOR= 0.000
           RENORM=0.2461E-21 REMNOR=0.5823E-24 RATIO =0.5199E-13 TOLER =0.1000E-03   CONVERGED !
           RFMAX = 44.37   RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.9101E+05 RDR   = 0.000
           RATIOT=0.5199E-13 RATIOR= 0.000
           MAX UN=0.6169E-11 IEQ=   35 NODE   18 DOF   1 Y-DISPL.F
           MIN UN=-.6228E-11 IEQ=   37 NODE   19 DOF   1 Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS   0

New Project
SOLUTION REACHED USING   2 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P   3   (AT TIME   3.000   ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

	Y-DISPL.F 02	X-ROT. F 04
15	1.0300722E-06	1.9207040E-21
16	3.2866959E-06	1.9383807E-21
17	4.0161247E-06	1.9565279E-21
18	3.9465850E-06	1.9730304E-21
19	3.8766036E-06	1.9926693E-21
20	3.8062343E-06	2.0202549E-21
21	3.7355238E-06	2.0460463E-21
22	3.6645117E-06	2.0598986E-21
23	3.5932322E-06	2.0587578E-21
24	3.5217151E-06	2.0393704E-21
25	3.4499851E-06	1.9982833E-21
26	3.3780649E-06	1.9318484E-21
27	3.3059740E-06	1.8362302E-21
28	3.2337293E-06	1.7076317E-21
29	3.1613462E-06	1.5421021E-21
30	3.0888373E-06	1.3355599E-21
31	3.0162145E-06	1.0838304E-21
32	2.9434883E-06	7.9704864E-22
33	2.8706679E-06	4.9992168E-22
34	2.7977617E-06	2.0263331E-22
35	2.7247769E-06	-8.4732544E-23
36	2.6517202E-06	-3.3755701E-22
37	2.5785979E-06	-5.4578031E-22
38	2.5054147E-06	-7.1385553E-22
39	2.4321757E-06	-8.4633643E-22
40	2.3588854E-06	-9.4784807E-22
41	2.2855476E-06	-1.0374232E-21
42	2.2121664E-06	-1.1339049E-21
43	2.1387442E-06	-1.2415659E-21
44	2.0652826E-06	-1.3646654E-21
45	1.9917917E-06	-1.5071974E-21
46	1.9182647E-06	-1.6729129E-21
47	1.8447076E-06	-1.8654493E-21
48	1.7711224E-06	-2.1029022E-21
49	1.6975111E-06	-2.3739473E-21
50	1.6238755E-06	-2.6524744E-21
51	1.5502170E-06	-2.9412617E-21
52	1.4765373E-06	-3.2427686E-21
53	1.4028376E-06	-3.5445016E-21
54	1.3291193E-06	-3.8336366E-21
55	1.2553836E-06	-4.1116403E-21
56	1.1816314E-06	-4.3796367E-21
57	1.1078638E-06	-4.6383514E-21
58	1.0340817E-06	-4.8880580E-21
59	9.6028604E-07	-5.1286323E-21
60	8.8647756E-07	-5.3013048E-21
61	8.1265701E-07	-5.3468649E-21
62	7.3882510E-07	-5.3222351E-21
63	6.6498246E-07	-5.2839065E-21
64	5.9112969E-07	-5.2295851E-21
65	5.1726738E-07	-5.1565032E-21
66	4.4339603E-07	-5.0614302E-21
67	3.6951613E-07	-4.9697862E-21
68	2.9562816E-07	-4.9065084E-21
69	2.2173254E-07	-4.8668905E-21
70	1.4782968E-07	-4.8457338E-21
71	7.3919942E-08	-4.8373688E-21

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:36:15                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      3.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
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-----------------------------------------------
   1 D  8.1961E-17  1.7671E-21   0.000      8.1961E-16   32.00       16.00          UL-RL  4.6382E+05  -1.600       0.000
1.000       1.000      8.1961E-16   0.000       0.000       8.000       8.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D   1.200      1.4249E-21   4.000       6.000       36.00       18.00          UL-RL  4.6382E+05  -1.800       0.000
1.000       1.000       6.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.789      1.0825E-21   8.000       8.944       40.00       20.00          UL-RL  4.6382E+05  -2.000       0.000
1.000       1.000       8.944       0.000       0.000       8.000       8.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   2.298      7.3963E-22   12.00       11.49       44.00       22.00          UL-RL  4.6382E+05  -2.200       0.000
1.000       1.000       11.49       0.000       0.000       8.000       8.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   2.771      3.9568E-22   16.00       13.86       48.00       24.00          UL-RL  4.6382E+05  -2.400       0.000
1.000       1.000       13.86       0.000       0.000       8.000       8.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   3.225      5.0031E-23   20.00       16.12       52.00       26.00          UL-RL  4.6382E+05  -2.600       0.000
1.000       1.000       16.12       0.000       0.000       8.000       8.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   3.666     -2.9802E-22   24.00       18.33       56.00       28.00          UL-RL  4.6382E+05  -2.800       0.000
1.000       1.000       18.33       0.000       0.000       8.000       8.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   4.099     -6.4915E-22   28.00       20.49       60.00       30.00          UL-RL  4.6382E+05  -3.000       0.000
1.000       1.000       20.49       0.000       0.000       8.000       8.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   4.525     -1.0040E-21   32.00       22.63       64.00       32.00          UL-RL  3.4016E+05  -3.200       0.000
1.000       1.000       22.63       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   5.011     -1.3631E-21   36.60       25.05       68.60       34.30          UL-RL  3.4016E+05  -3.400       0.000
1.000       1.000       25.05       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   5.492     -1.7269E-21   41.20       27.46       73.20       36.60          UL-RL  3.4016E+05  -3.600       0.000
1.000       1.000       27.46       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   5.969     -2.0955E-21   45.80       29.85       77.80       38.90          UL-RL  3.4016E+05  -3.800       0.000
1.000       1.000       29.85       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   6.444     -2.4689E-21   50.40       32.22       82.40       41.20          UL-RL  3.4016E+05  -4.000       0.000
1.000       1.000       32.22       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   6.917     -2.8471E-21   55.00       34.59       87.00       43.50          UL-RL  3.4016E+05  -4.200       0.000
1.000       1.000       34.59       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   7.407     -1.0301E-06   58.70       36.13       90.70       45.35          UL-RL  3.4016E+05  -4.400       0.9004
1.000       1.000       37.03       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   7.916     -3.2867E-06   61.33       36.71       93.33       46.67          UL-RL  3.4016E+05  -4.600       2.869
1.000       1.000       39.58       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   8.529     -4.0161E-06   63.96       37.81       95.96       47.98          UL-RL  3.4016E+05  -4.800       4.837
1.000       1.000       42.64       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   9.196     -3.9466E-06   66.60       39.17       98.60       49.30          UL-RL  3.4016E+05  -5.000       6.805
1.000       1.000       45.98       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   9.862     -3.8766E-06   69.23       40.54       101.2       50.61          UL-RL  3.4016E+05  -5.200       8.773
1.000       1.000       49.31       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   10.53     -3.8062E-06   71.86       41.90       103.9       51.93          UL-RL  3.4016E+05  -5.400       10.74
1.000       1.000       52.64       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   11.19     -3.7355E-06   74.49       43.26       106.5       53.25          UL-RL  3.4016E+05  -5.600       12.71
1.000       1.000       55.97       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   11.86     -3.6645E-06   77.12       44.62       109.1       54.56          UL-RL  3.4016E+05  -5.800       14.68
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1.000       1.000       59.30       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   12.53     -3.5932E-06   79.75       45.98       111.8       55.88          UL-RL  3.4016E+05  -6.000       16.65
1.000       1.000       62.63       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   13.19     -3.5217E-06   82.39       47.34       114.4       57.19          UL-RL  3.4016E+05  -6.200       18.61
1.000       1.000       65.95       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   13.86     -3.4500E-06   85.02       48.70       117.0       58.51          UL-RL  3.4016E+05  -6.400       20.58
1.000       1.000       69.28       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   14.52     -3.3781E-06   87.65       50.05       119.6       59.82          UL-RL  3.4016E+05  -6.600       22.55
1.000       1.000       72.60       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   15.19     -3.3060E-06   90.28       51.41       122.3       61.14          UL-RL  3.4016E+05  -6.800       24.52
1.000       1.000       75.93       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   15.85     -3.2337E-06   92.91       52.77       124.9       62.46          UL-RL  3.4016E+05  -7.000       26.49
1.000       1.000       79.25       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   16.52     -3.1613E-06   95.55       54.12       127.5       63.77          UL-RL  3.4016E+05  -7.200       28.45
1.000       1.000       82.58       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   17.18     -3.0888E-06   98.18       55.47       130.2       65.09          UL-RL  3.4016E+05  -7.400       30.42
1.000       1.000       85.90       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   17.84     -3.0162E-06   100.8       56.83       132.8       66.40          UL-RL  3.4016E+05  -7.600       32.39
1.000       1.000       89.22       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   18.51     -2.9435E-06   103.4       58.18       135.4       67.72          UL-RL  3.4016E+05  -7.800       34.36
1.000       1.000       92.54       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   19.17     -2.8707E-06   106.1       59.53       138.1       69.04          UL-RL  3.4016E+05  -8.000       36.33
1.000       1.000       95.86       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   19.84     -2.7978E-06   108.7       60.89       140.7       70.35          UL-RL  3.4016E+05  -8.200       38.30
1.000       1.000       99.18       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   20.50     -2.7248E-06   111.3       62.24       143.3       71.67          UL-RL  3.4016E+05  -8.400       40.26
1.000       1.000       102.5       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   21.16     -2.6517E-06   114.0       63.59       146.0       72.98          UL-RL  3.4016E+05  -8.600       42.23
1.000       1.000       105.8       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   21.83     -2.5786E-06   116.6       64.94       148.6       74.30          UL-RL  3.4016E+05  -8.800       44.20
1.000       1.000       109.1       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   22.49     -2.5054E-06   119.2       66.29       151.2       75.62          UL-RL  3.4016E+05  -9.000       46.17
1.000       1.000       112.5       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   23.16     -2.4322E-06   121.9       67.64       153.9       76.93          UL-RL  3.4016E+05  -9.200       48.14
1.000       1.000       115.8       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   23.82     -2.3589E-06   124.5       68.99       156.5       78.25          UL-RL  3.4016E+05  -9.400       50.10
1.000       1.000       119.1       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   24.48     -2.2855E-06   127.1       70.34       159.1       79.56          UL-RL  3.4016E+05  -9.600       52.07
1.000       1.000       122.4       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   25.15     -2.2122E-06   129.8       71.69       161.8       80.88          UL-RL  3.4016E+05  -9.800       54.04
1.000       1.000       125.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   25.81     -2.1387E-06   132.4       73.04       164.4       82.20          UL-RL  3.4016E+05  -10.00       56.01
1.000       1.000       129.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   26.47     -2.0653E-06   135.0       74.38       167.0       83.51          UL-RL  3.4016E+05  -10.20       57.98
1.000       1.000       132.4       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   27.14     -1.9918E-06   137.7       75.73       169.7       84.83          UL-RL  3.4016E+05  -10.40       59.95
1.000       1.000       135.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   27.80     -1.9183E-06   140.3       77.08       172.3       86.14          UL-RL  3.4016E+05  -10.60       61.91
1.000       1.000       139.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   28.46     -1.8447E-06   142.9       78.43       174.9       87.46          UL-RL  3.4016E+05  -10.80       63.88
1.000       1.000       142.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   29.13     -1.7711E-06   145.5       79.78       177.5       88.77          UL-RL  3.4016E+05  -11.00       65.85
1.000       1.000       145.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   29.79     -1.6975E-06   148.2       81.12       180.2       90.09          UL-RL  3.4016E+05  -11.20       67.82
1.000       1.000       148.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   30.45     -1.6239E-06   150.8       82.47       182.8       91.41          UL-RL  3.4016E+05  -11.40       69.79
1.000       1.000       152.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   31.11     -1.5502E-06   153.4       83.82       185.4       92.72          UL-RL  3.4016E+05  -11.60       71.75
1.000       1.000       155.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   31.78     -1.4765E-06   156.1       85.16       188.1       94.04          UL-RL  3.4016E+05  -11.80       73.72
1.000       1.000       158.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  53 D   32.44     -1.4028E-06   158.7       86.51       190.7       95.35          UL-RL  3.4016E+05  -12.00       75.69
1.000       1.000       162.2       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   33.10     -1.3291E-06   161.3       87.86       193.3       96.67          UL-RL  3.4016E+05  -12.20       77.66
1.000       1.000       165.5       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   33.77     -1.2554E-06   164.0       89.20       196.0       97.99          UL-RL  3.4016E+05  -12.40       79.63
1.000       1.000       168.8       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   34.43     -1.1816E-06   166.6       90.55       198.6       99.30          UL-RL  3.4016E+05  -12.60       81.60
1.000       1.000       172.1       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   35.09     -1.1079E-06   169.2       91.90       201.2       100.6          UL-RL  3.4016E+05  -12.80       83.56
1.000       1.000       175.5       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   35.75     -1.0341E-06   171.9       93.24       203.9       101.9          UL-RL  3.4016E+05  -13.00       85.53
1.000       1.000       178.8       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   36.42     -9.6029E-07   174.5       94.59       206.5       103.2          UL-RL  3.4016E+05  -13.20       87.50
1.000       1.000       182.1       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   37.08     -8.8648E-07   177.1       95.93       209.1       104.6          UL-RL  3.4016E+05  -13.40       89.47
1.000       1.000       185.4       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   37.74     -8.1266E-07   179.8       97.28       211.8       105.9          UL-RL  3.4016E+05  -13.60       91.44
1.000       1.000       188.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   38.41     -7.3883E-07   182.4       98.62       214.4       107.2          UL-RL  3.4016E+05  -13.80       93.40
1.000       1.000       192.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   39.07     -6.6498E-07   185.0       99.97       217.0       108.5          UL-RL  3.4016E+05  -14.00       95.37
1.000       1.000       195.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   39.73     -5.9113E-07   187.7       101.3       219.7       109.8          UL-RL  3.4016E+05  -14.20       97.34
1.000       1.000       198.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   40.39     -5.1727E-07   190.3       102.7       222.3       111.1          UL-RL  3.4016E+05  -14.40       99.31
1.000       1.000       202.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   41.06     -4.4340E-07   192.9       104.0       224.9       112.5          UL-RL  3.4016E+05  -14.60       101.3
1.000       1.000       205.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   41.72     -3.6952E-07   195.6       105.3       227.6       113.8          UL-RL  3.4016E+05  -14.80       103.2
1.000       1.000       208.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   42.38     -2.9563E-07   198.2       106.7       230.2       115.1          UL-RL  3.4016E+05  -15.00       105.2
1.000       1.000       211.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   43.04     -2.2173E-07   200.8       108.0       232.8       116.4          UL-RL  3.4016E+05  -15.20       107.2
1.000       1.000       215.2       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   43.71     -1.4783E-07   203.5       109.4       235.5       117.7          UL-RL  3.4016E+05  -15.40       109.1
1.000       1.000       218.5       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   44.37     -7.3920E-08   206.1       110.7       238.1       119.0          UL-RL  3.4016E+05  -15.60       111.1
1.000       1.000       221.8       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   22.52      3.0610E-19   208.7       112.1       240.7       120.4          UL-RL  3.4016E+05  -15.80       113.1
1.000       1.000       225.2       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                            ParatiePlus                                                                |
|                                  Exe Time :27 January 2022   16:36:15                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      3.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                                ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------------
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-----------------------------------------------
   1 D   0.000     -1.7671E-21   0.000       0.000       32.00       16.00          ACTIVE   0.000      -1.600       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D   1.200     -1.4249E-21   4.000       6.000       36.00       18.00          UL-RL  4.3304E+05  -1.800       0.000
1.000       1.000       6.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   1.789     -1.0825E-21   8.000       8.944       40.00       20.00          UL-RL  4.3304E+05  -2.000       0.000
1.000       1.000       8.944       0.000       0.000       8.000       8.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   2.298     -7.3963E-22   12.00       11.49       44.00       22.00          UL-RL  4.3304E+05  -2.200       0.000
1.000       1.000       11.49       0.000       0.000       8.000       8.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   2.771     -3.9568E-22   16.00       13.86       48.00       24.00          UL-RL  4.3304E+05  -2.400       0.000
1.000       1.000       13.86       0.000       0.000       8.000       8.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   3.225     -5.0031E-23   20.00       16.12       52.00       26.00          UL-RL  4.3304E+05  -2.600       0.000
1.000       1.000       16.12       0.000       0.000       8.000       8.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   3.666      2.9802E-22   24.00       18.33       56.00       28.00          UL-RL  4.3304E+05  -2.800       0.000
1.000       1.000       18.33       0.000       0.000       8.000       8.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D   4.099      6.4915E-22   28.00       20.49       60.00       30.00          UL-RL  4.3304E+05  -3.000       0.000
1.000       1.000       20.49       0.000       0.000       8.000       8.000     Salt_167_12_L_0                    0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   4.525      1.0040E-21   32.00       22.63       64.00       32.00          UL-RL  2.6903E+05  -3.200       0.000
1.000       1.000       22.63       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   5.011      1.3631E-21   36.60       25.05       68.60       34.30          UL-RL  2.6903E+05  -3.400       0.000
1.000       1.000       25.05       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   5.492      1.7269E-21   41.20       27.46       73.20       36.60          UL-RL  2.6903E+05  -3.600       0.000
1.000       1.000       27.46       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   5.969      2.0955E-21   45.80       29.85       77.80       38.90          UL-RL  2.6903E+05  -3.800       0.000
1.000       1.000       29.85       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   6.444      2.4689E-21   50.40       32.22       82.40       41.20          UL-RL  2.6903E+05  -4.000       0.000
1.000       1.000       32.22       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   6.917      2.8471E-21   55.00       34.59       87.00       43.50          UL-RL  2.6903E+05  -4.200       0.000
1.000       1.000       34.59       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   7.407      1.0301E-06   59.60       37.03       91.60       45.89          UL-RL  2.6903E+05  -4.400       0.000
1.000       1.000       37.03       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   7.916      3.2867E-06   64.20       39.58       96.20       48.40          UL-RL  2.6903E+05  -4.600       0.000
1.000       1.000       39.58       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   8.529      4.0161E-06   67.46       41.31       99.46       50.10          UL-RL  2.6903E+05  -4.800       1.335
1.000       1.000       42.64       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   9.196      3.9466E-06   70.03       42.61       102.0       51.37          UL-RL  2.6903E+05  -5.000       3.367
1.000       1.000       45.98       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   9.862      3.8766E-06   72.60       43.91       104.6       52.65          UL-RL  2.6903E+05  -5.200       5.399
1.000       1.000       49.31       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   10.53      3.8062E-06   75.17       45.21       107.2       53.93          UL-RL  2.6903E+05  -5.400       7.431
1.000       1.000       52.64       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   11.19      3.7355E-06   77.74       46.51       109.7       55.21          UL-RL  2.6903E+05  -5.600       9.463
1.000       1.000       55.97       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   11.86      3.6645E-06   80.31       47.81       112.3       56.48          UL-RL  2.6903E+05  -5.800       11.49
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1.000       1.000       59.30       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   12.53      3.5932E-06   82.87       49.10       114.9       57.76          UL-RL  2.6903E+05  -6.000       13.53
1.000       1.000       62.63       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   13.19      3.5217E-06   85.44       50.40       117.4       59.04          UL-RL  2.6903E+05  -6.200       15.56
1.000       1.000       65.95       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   13.86      3.4500E-06   88.01       51.69       120.0       60.32          UL-RL  2.6903E+05  -6.400       17.59
1.000       1.000       69.28       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   14.52      3.3781E-06   90.58       52.98       122.6       61.59          UL-RL  2.6903E+05  -6.600       19.62
1.000       1.000       72.60       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   15.19      3.3060E-06   93.15       54.28       125.1       62.87          UL-RL  2.6903E+05  -6.800       21.65
1.000       1.000       75.93       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   15.85      3.2337E-06   95.71       55.57       127.7       64.15          UL-RL  2.6903E+05  -7.000       23.69
1.000       1.000       79.25       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   16.52      3.1613E-06   98.28       56.86       130.3       65.43          UL-RL  2.6903E+05  -7.200       25.72
1.000       1.000       82.58       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   17.18      3.0888E-06   100.9       58.15       132.9       66.70          UL-RL  2.6903E+05  -7.400       27.75
1.000       1.000       85.90       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   17.84      3.0162E-06   103.4       59.44       135.4       67.98          UL-RL  2.6903E+05  -7.600       29.78
1.000       1.000       89.22       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   18.51      2.9435E-06   106.0       60.73       138.0       69.26          UL-RL  2.6903E+05  -7.800       31.81
1.000       1.000       92.54       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   19.17      2.8707E-06   108.6       62.02       140.6       70.54          UL-RL  2.6903E+05  -8.000       33.84
1.000       1.000       95.86       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   19.84      2.7978E-06   111.1       63.30       143.1       71.81          UL-RL  2.6903E+05  -8.200       35.88
1.000       1.000       99.18       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   20.50      2.7248E-06   113.7       64.59       145.7       73.09          UL-RL  2.6903E+05  -8.400       37.91
1.000       1.000       102.5       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   21.16      2.6517E-06   116.3       65.88       148.3       74.37          UL-RL  2.6903E+05  -8.600       39.94
1.000       1.000       105.8       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   21.83      2.5786E-06   118.8       67.17       150.8       75.65          UL-RL  2.6903E+05  -8.800       41.97
1.000       1.000       109.1       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   22.49      2.5054E-06   121.4       68.45       153.4       76.92          UL-RL  2.6903E+05  -9.000       44.00
1.000       1.000       112.5       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   23.16      2.4322E-06   124.0       69.74       156.0       78.20          UL-RL  2.6903E+05  -9.200       46.04
1.000       1.000       115.8       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   23.82      2.3589E-06   126.5       71.03       158.5       79.48          UL-RL  2.6903E+05  -9.400       48.07
1.000       1.000       119.1       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   24.48      2.2855E-06   129.1       72.31       161.1       80.76          UL-RL  2.6903E+05  -9.600       50.10
1.000       1.000       122.4       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   25.15      2.2122E-06   131.7       73.60       163.7       82.03          UL-RL  2.6903E+05  -9.800       52.13
1.000       1.000       125.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   25.81      2.1387E-06   134.2       74.88       166.2       83.31          UL-RL  2.6903E+05  -10.00       54.16
1.000       1.000       129.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   26.47      2.0653E-06   136.8       76.17       168.8       84.59          UL-RL  2.6903E+05  -10.20       56.19
1.000       1.000       132.4       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   27.14      1.9918E-06   139.4       77.45       171.4       85.87          UL-RL  2.6903E+05  -10.40       58.23
1.000       1.000       135.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   27.80      1.9183E-06   141.9       78.74       173.9       87.14          UL-RL  2.6903E+05  -10.60       60.26
1.000       1.000       139.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   28.46      1.8447E-06   144.5       80.02       176.5       88.42          UL-RL  2.6903E+05  -10.80       62.29
1.000       1.000       142.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   29.13      1.7711E-06   147.1       81.30       179.1       89.70          UL-RL  2.6903E+05  -11.00       64.32
1.000       1.000       145.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   29.79      1.6975E-06   149.6       82.59       181.6       90.98          UL-RL  2.6903E+05  -11.20       66.35
1.000       1.000       148.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   30.45      1.6239E-06   152.2       83.87       184.2       92.25          UL-RL  2.6903E+05  -11.40       68.39
1.000       1.000       152.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   31.11      1.5502E-06   154.8       85.15       186.8       93.53          UL-RL  2.6903E+05  -11.60       70.42
1.000       1.000       155.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   31.78      1.4765E-06   157.4       86.44       189.4       94.81          UL-RL  2.6903E+05  -11.80       72.45
1.000       1.000       158.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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53 D	32.44	1.4028E-06	159.9	87.72	191.9	96.09	UL-RL	2.6903E+05	-12.00	74.48	
1.000	1.000	162.2	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
54 D	33.10	1.3291E-06	162.5	89.00	194.5	97.36	UL-RL	2.6903E+05	-12.20	76.51	
1.000	1.000	165.5	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
55 D	33.77	1.2554E-06	165.1	90.29	197.1	98.64	UL-RL	2.6903E+05	-12.40	78.54	
1.000	1.000	168.8	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
56 D	34.43	1.1816E-06	167.6	91.57	199.6	99.92	UL-RL	2.6903E+05	-12.60	80.58	
1.000	1.000	172.1	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
57 D	35.09	1.1079E-06	170.2	92.85	202.2	101.2	UL-RL	2.6903E+05	-12.80	82.61	
1.000	1.000	175.5	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
58 D	35.75	1.0341E-06	172.8	94.13	204.8	102.5	UL-RL	2.6903E+05	-13.00	84.64	
1.000	1.000	178.8	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
59 D	36.42	9.6029E-07	175.3	95.41	207.3	103.8	UL-RL	2.6903E+05	-13.20	86.67	
1.000	1.000	182.1	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
60 D	37.08	8.8648E-07	177.9	96.70	209.9	105.0	UL-RL	2.6903E+05	-13.40	88.70	
1.000	1.000	185.4	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
61 D	37.74	8.1266E-07	180.5	97.98	212.5	106.3	UL-RL	2.6903E+05	-13.60	90.74	
1.000	1.000	188.7	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
62 D	38.41	7.3883E-07	183.0	99.26	215.0	107.6	UL-RL	2.6903E+05	-13.80	92.77	
1.000	1.000	192.0	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
63 D	39.07	6.6498E-07	185.6	100.5	217.6	108.9	UL-RL	2.6903E+05	-14.00	94.80	
1.000	1.000	195.3	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
64 D	39.73	5.9113E-07	188.2	101.8	220.2	110.1	UL-RL	2.6903E+05	-14.20	96.83	
1.000	1.000	198.7	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
65 D	40.39	5.1727E-07	190.7	103.1	222.7	111.4	UL-RL	2.6903E+05	-14.40	98.86	
1.000	1.000	202.0	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
66 D	41.06	4.4340E-07	193.3	104.4	225.3	112.7	UL-RL	2.6903E+05	-14.60	100.9	
1.000	1.000	205.3	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
67 D	41.72	3.6952E-07	195.9	105.7	227.9	114.0	UL-RL	2.6903E+05	-14.80	102.9	
1.000	1.000	208.6	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
68 D	42.38	2.9563E-07	198.4	106.9	230.4	115.2	UL-RL	2.6903E+05	-15.00	105.0	
1.000	1.000	211.9	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
69 D	43.04	2.2173E-07	201.0	108.2	233.0	116.5	UL-RL	2.6903E+05	-15.20	107.0	
1.000	1.000	215.2	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
70 D	43.71	1.4783E-07	203.6	109.5	235.6	117.8	UL-RL	2.6903E+05	-15.40	109.0	
1.000	1.000	218.5	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
71 D	44.37	7.3920E-08	206.1	110.8	238.1	119.1	UL-RL	2.6903E+05	-15.60	111.1	
1.000	1.000	221.8	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
72 D	22.52	-3.0610E-19	208.7	112.1	240.7	120.4	UL-RL	2.6903E+05	-15.80	113.1	
1.000	1.000	225.2	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							

New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_9503   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   71
C U R R E N T   T I M E   I S   3.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

EL	TA	TB	MA	MB
1	8.19605E-17	-8.19605E-17	-1.38840E-28	1.63921E-17
2	2.22872E-16	-2.22872E-16	-1.63921E-17	6.09664E-17
3	3.28044E-16	-3.28044E-16	-6.09664E-17	1.26575E-16
4	3.97463E-16	-3.97463E-16	-1.26575E-16	2.06068E-16
5	4.31097E-16	-4.31097E-16	-2.06068E-16	2.92287E-16
6	4.28899E-16	-4.28899E-16	-2.92287E-16	3.78067E-16
7	3.90802E-16	-3.90802E-16	-3.78067E-16	4.56228E-16
8	3.16732E-16	-3.16732E-16	-4.56228E-16	5.19574E-16
9	2.41929E-16	-2.41929E-16	-5.19574E-16	5.67960E-16
10	1.42580E-16	-1.42580E-16	-5.67960E-16	5.96476E-16
11	1.86404E-17	-1.86404E-17	-5.96476E-16	6.00204E-16
12	-1.29922E-16	1.29922E-16	-6.00204E-16	5.74219E-16
13	-3.03117E-16	3.03117E-16	-5.74219E-16	5.13596E-16
14	3.87220E-13	-3.87220E-13	3.82585E-14	3.91855E-14
15	-1.82341E-12	1.82341E-12	-1.82772E-13	-1.81911E-13
16	-2.48802E-13	2.48802E-13	-2.53225E-14	-2.44379E-14
17	2.87337E-12	-2.87337E-12	2.86935E-13	2.87739E-13
18	-3.29394E-12	3.29394E-12	-3.29871E-13	-3.28913E-13
19	2.93433E-12	-2.93433E-12	2.92760E-13	2.94105E-13
20	-1.23476E-13	1.23476E-13	-1.29763E-14	-1.17190E-14
21	-9.44881E-14	9.44881E-14	-9.78644E-15	-9.11117E-15
22	-8.51932E-14	8.51932E-14	-8.49152E-15	-8.54713E-15
23	-1.00220E-13	1.00220E-13	-9.54943E-15	-1.04945E-14
24	-1.44424E-13	1.44424E-13	-1.34409E-14	-1.54438E-14
25	-2.23046E-13	2.23046E-13	-2.06853E-14	-2.39239E-14
26	-3.41543E-13	3.41543E-13	-3.18237E-14	-3.64848E-14
27	-5.05494E-13	5.05494E-13	-4.74150E-14	-5.36839E-14
28	-7.20589E-13	7.20589E-13	-6.80239E-14	-7.60932E-14
29	2.10420E-12	-2.10420E-12	2.15455E-13	2.05386E-13
30	-1.32773E-12	1.32773E-12	-1.26637E-13	-1.38909E-13
31	1.37534E-12	-1.37534E-12	1.44524E-13	1.30544E-13
32	-2.14847E-12	2.14847E-12	-2.07604E-13	-2.22089E-13
33	5.13722E-13	-5.13722E-13	5.86183E-14	4.41261E-14
34	8.62113E-14	-8.62113E-14	1.56254E-14	1.61688E-15
35	-3.08786E-13	3.08786E-13	-2.47163E-14	-3.70410E-14
36	2.45096E-12	-2.45096E-12	2.50170E-13	2.40020E-13
37	-9.21070E-13	9.21070E-13	-8.80104E-14	-9.62037E-14
38	-1.14084E-12	1.14084E-12	-1.10855E-13	-1.17313E-13
39	1.78489E-12	-1.78489E-12	1.80963E-13	1.76015E-13
40	-1.45167E-12	1.45167E-12	-1.42984E-13	-1.47350E-13
41	1.50915E-12	-1.50915E-12	1.53266E-13	1.48562E-13
42	-1.73699E-12	1.73699E-12	-1.71075E-13	-1.76323E-13
43	1.19097E-12	-1.19097E-12	1.22100E-13	1.16100E-13
44	9.97128E-13	-9.97128E-13	1.03182E-13	9.62335E-14
45	-2.32536E-12	2.32536E-12	-2.28497E-13	-2.36575E-13
46	5.09516E-13	-5.09516E-13	5.56444E-14	4.62587E-14
47	1.95099E-13	-1.95099E-13	2.52976E-14	1.37222E-14
48	-1.76725E-13	1.76725E-13	-1.10660E-14	-2.42789E-14
49	9.69835E-13	-9.69835E-13	1.03772E-13	9.01947E-14
50	-9.93414E-13	9.93414E-13	-9.23025E-14	-1.06380E-13
51	1.23369E-13	-1.23369E-13	1.96858E-14	4.98798E-15
52	-3.17732E-13	3.17732E-13	-2.44187E-14	-3.91276E-14
53	7.98632E-13	-7.98632E-13	8.69105E-14	7.28158E-14
54	3.83929E-13	-3.83929E-13	4.51689E-14	3.16168E-14
55	-1.53172E-14	1.53172E-14	5.00042E-15	-8.06386E-15
56	-4.00459E-13	4.00459E-13	-3.37400E-14	-4.63518E-14
57	-7.72226E-13	7.72226E-13	-7.11363E-14	-8.33090E-14
58	4.17688E-13	-4.17688E-13	4.76326E-14	3.59051E-14
59	1.15514E-13	-1.15514E-13	1.57601E-14	7.34270E-15
60	-4.40617E-14	4.40617E-14	-3.29569E-15	-5.51665E-15
61	-5.93664E-14	5.93664E-14	-6.53696E-15	-5.33631E-15
62	-1.33300E-14	1.33300E-14	-2.26722E-15	-3.98780E-16
63	5.44175E-14	-5.44175E-14	4.11772E-15	6.76578E-15
64	1.47577E-13	-1.47577E-13	1.29764E-14	1.65390E-14
65	-1.16569E-13	1.16569E-13	-1.39742E-14	-9.33959E-15
66	1.99621E-14	-1.99621E-14	-2.37518E-16	4.22994E-15
67	1.33244E-13	-1.33244E-13	1.17821E-14	1.48667E-14
68	-1.78621E-13	1.78621E-13	-1.88278E-14	-1.68965E-14
69	5.93707E-14	-5.93707E-14	5.42140E-15	6.45274E-15
70	-1.58186E-14	1.58186E-14	-1.78574E-15	-1.37797E-15

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   71 3.10207E-14-3.10207E-14 3.06024E-15 3.14421E-15

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8379E+05 RIMNOR=0.1524E-23
           RENORM= 559.5     REMNOR=0.5823E-24 RATIO =0.8172E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 44.37     RMMAX =0.3299E-12
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-17
           RDT   =0.8379E+05 RDR   =0.1000E-17
           RATIOT=0.8172E-01 RATIOR= 0.000
           MAX UN= 5.492     IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           MIN UN=-.2811E-12 IEQ=    40 NODE     20 DOF   2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8379E+05 RIMNOR=0.1524E-23
           RENORM= 6.694     REMNOR=0.1595E-20 RATIO =0.8938E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 44.37     RMMAX =0.3299E-12
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-17
           RDT   =0.8379E+05 RDR   =0.1000E-17
           RATIOT=0.8938E-02 RATIOR= 0.000
           MAX UN= 1.992     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.1638E-09 IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8379E+05 RIMNOR=0.1524E-23
           RENORM=0.3472     REMNOR=0.3142E-21 RATIO =0.2036E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 44.37     RMMAX =0.3299E-12
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-17
           RDT   =0.8379E+05 RDR   =0.1000E-17
           RATIOT=0.2036E-02 RATIOR= 0.000
           MAX UN=0.5868     IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           MIN UN=-.5888E-10 IEQ=    55 NODE     28 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8379E+05 RIMNOR=0.1524E-23
           RENORM=0.6152E-19 REMNOR=0.2582E-21 RATIO =0.8569E-12 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 44.37     RMMAX =0.3299E-12
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-17
           RDT   =0.8379E+05 RDR   =0.1000E-17
           RATIOT=0.8569E-12 RATIOR= 0.000
           MAX UN=0.6429E-10 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           MIN UN=-.7907E-10 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*              |
|                                                                                                                         |
|                                                ParatiePlus                                                              |
|                                  Exe Time :27 January 2022   16:36:15                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     4 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    4     ( AT TIME   4.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
    1   6.7165743E-05  -7.6498553E-06
    2   6.5635772E-05  -7.6498553E-06
    3   6.4105800E-05  -7.6498553E-06
    4   6.2575829E-05  -7.6498553E-06
    5   6.1045858E-05  -7.6498553E-06
    6   5.9515887E-05  -7.6498553E-06
    7   5.7985916E-05  -7.6498553E-06
    8   5.6455945E-05  -7.6498553E-06
    9   5.4926078E-05  -7.6482944E-06
   10   5.3397348E-05  -7.6359298E-06
   11   5.1873604E-05  -7.5951038E-06
   12   5.0362143E-05  -7.5117200E-06
   13   4.8871951E-05  -7.3828029E-06
   14   4.7411835E-05  -7.2116992E-06
   15   4.7019832E-05  -7.0032732E-06
   16   4.7899342E-05  -6.7630389E-06
   17   4.7302407E-05  -6.4967372E-06
   18   4.5961900E-05  -6.2099818E-06
   19   4.4679915E-05  -5.9079815E-06
   20   4.3459064E-05  -5.5954584E-06
   21   4.2301070E-05  -5.2766591E-06
   22   4.1206844E-05  -4.9553598E-06
   23   4.0176580E-05  -4.6348835E-06
   24   3.9209851E-05  -4.3181220E-06
   25   3.8305676E-05  -4.0075536E-06
   26   3.7462627E-05  -3.7052776E-06
   27   3.6678885E-05  -3.4130355E-06
   28   3.5952314E-05  -3.1322402E-06
   29   3.5280527E-05  -2.8640053E-06
   30   3.4660930E-05  -2.6091674E-06
   31   3.4090795E-05  -2.3683215E-06
   32   3.3567294E-05  -2.1418418E-06
   33   3.3087542E-05  -1.9299081E-06
   34   3.2648634E-05  -1.7325300E-06
   35   3.2247678E-05  -1.5495695E-06
   36   3.1881821E-05  -1.3807619E-06
   37   3.1548277E-05  -1.2257368E-06
   38   3.1244334E-05  -1.0840325E-06
   39   3.0967389E-05  -9.5511794E-07
   40   3.0714944E-05  -8.3840426E-07
   41   3.0484628E-05  -7.3325966E-07
   42   3.0274195E-05  -6.3902195E-07
   43   3.0081535E-05  -5.5500773E-07
   44   2.9904670E-05  -4.8052317E-07
   45   2.9741785E-05  -4.1488079E-07
   46   2.9591162E-05  -3.5738347E-07
   47   2.9451249E-05  -3.0735810E-07
   48   2.9320622E-05  -2.6414532E-07
   49   2.9197983E-05  -2.2710751E-07
   50   2.9082161E-05  -1.9563238E-07
   51   2.8972104E-05  -1.6913587E-07
   52   2.8866874E-05  -1.4706435E-07
   53   2.8765639E-05  -1.2889633E-07
   54   2.8667669E-05  -1.1414352E-07
   55   2.8572330E-05  -1.0235161E-07
   56   2.8479071E-05  -9.3100468E-08
   57   2.8387426E-05  -8.6004209E-08
   58   2.8297000E-05  -8.0710834E-08
   59   2.8207465E-05  -7.6901721E-08
   60   2.8118555E-05  -7.4290917E-08
   61   2.8030057E-05  -7.2624287E-08
   62   2.7941805E-05  -7.1678554E-08
   63   2.7853676E-05  -7.1260277E-08
   64   2.7765581E-05  -7.1204774E-08
   65   2.7677464E-05  -7.1375028E-08
   66   2.7589290E-05  -7.1660596E-08
   67   2.7501046E-05  -7.1976521E-08
   68   2.7412733E-05  -7.2262289E-08
   69   2.7324362E-05  -7.2480813E-08
   70   2.7235948E-05  -7.2617462E-08
   71   2.7147508E-05  -7.2679142E-08
   72   2.7059049E-05  -7.2693422E-08
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:36:15                                               |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                        :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      4.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -6.7166E-05   0.000       0.000       32.00       16.00          ACTIVE   0.000      -1.600       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D   0.000     -6.5636E-05   4.000       0.000       36.00       18.00          ACTIVE   0.000      -1.800       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   0.000     -6.4106E-05   8.000       0.000       40.00       20.00          ACTIVE   0.000      -2.000       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   0.000     -6.2576E-05   12.00       0.000       44.00       22.00          ACTIVE   0.000      -2.200       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   0.000     -6.1046E-05   16.00       0.000       48.00       24.00          ACTIVE   0.000      -2.400       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   0.000     -5.9516E-05   20.00       0.000       52.00       26.00          ACTIVE   0.000      -2.600       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   0.000     -5.7986E-05   24.00       0.000       56.00       28.00          ACTIVE   0.000      -2.800       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D  0.3804     -5.6456E-05   28.00       1.902       60.00       30.00            UL-RL  3.2931E+05  -3.000       0.000
1.000       1.000       1.902       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   1.872     -5.4926E-05   32.00       9.362       64.00       32.00            UL-RL  2.4151E+05  -3.200       0.000
1.000       1.000       9.362       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   2.432     -5.3397E-05   36.60       12.16       68.60       34.30            UL-RL  2.4151E+05  -3.400       0.000
1.000       1.000       12.16       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   2.986     -5.1874E-05   41.20       14.93       73.20       36.60            UL-RL  2.4151E+05  -3.600       0.000
1.000       1.000       14.93       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   3.537     -5.0362E-05   45.80       17.68       77.80       38.90            UL-RL  2.4151E+05  -3.800       0.000
1.000       1.000       17.68       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   4.084     -4.8872E-05   50.40       20.42       82.40       41.20            UL-RL  2.4151E+05  -4.000       0.000
1.000       1.000       20.42       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   4.627     -4.7412E-05   55.00       23.14       87.00       43.50            UL-RL  2.4151E+05  -4.200       0.000
1.000       1.000       23.14       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.185     -4.7020E-05   58.70       25.03       90.70       45.35            UL-RL  2.4151E+05  -4.400       0.9004
1.000       1.000       25.93       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   5.761     -4.7899E-05   61.33       25.94       93.33       46.67            UL-RL  2.4151E+05  -4.600       2.869
1.000       1.000       28.81       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   6.438     -4.7302E-05   63.96       27.35       95.96       47.98            UL-RL  2.4151E+05  -4.800       4.837
1.000       1.000       32.19       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   7.166     -4.5962E-05   66.60       29.03       98.60       49.30            UL-RL  2.4151E+05  -5.000       6.805
1.000       1.000       35.83       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   7.891     -4.4680E-05   69.23       30.68       101.2       50.61            UL-RL  2.4151E+05  -5.200       8.773
1.000       1.000       39.46       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   8.613     -4.3459E-05   71.86       32.32       103.9       51.93            UL-RL  2.4151E+05  -5.400       10.74
1.000       1.000       43.06       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   9.331     -4.2301E-05   74.49       33.95       106.5       53.25            UL-RL  2.4151E+05  -5.600       12.71
1.000       1.000       46.66       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   10.05     -4.1207E-05   77.12       35.56       109.1       54.56            UL-RL  2.4151E+05  -5.800       14.68
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1.000       1.000       50.23       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   10.76     -4.0177E-05   79.75       37.15       111.8       55.88          UL-RL  2.4151E+05  -6.000       16.65
1.000       1.000       53.79       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   11.47     -3.9210E-05   82.39       38.72       114.4       57.19          UL-RL  2.4151E+05  -6.200       18.61
1.000       1.000       57.33       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   12.17     -3.8306E-05   85.02       40.28       117.0       58.51          UL-RL  2.4151E+05  -6.400       20.58
1.000       1.000       60.86       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   12.87     -3.7463E-05   87.65       41.82       119.6       59.82          UL-RL  2.4151E+05  -6.600       22.55
1.000       1.000       64.37       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   13.57     -3.6679E-05   90.28       43.35       122.3       61.14          UL-RL  2.4151E+05  -6.800       24.52
1.000       1.000       67.87       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   14.27     -3.5952E-05   92.91       44.86       124.9       62.46          UL-RL  2.4151E+05  -7.000       26.49
1.000       1.000       71.35       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   14.96     -3.5281E-05   95.55       46.36       127.5       63.77          UL-RL  2.4151E+05  -7.200       28.45
1.000       1.000       74.82       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   15.65     -3.4661E-05   98.18       47.85       130.2       65.09          UL-RL  2.4151E+05  -7.400       30.42
1.000       1.000       78.27       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   16.34     -3.4091E-05   100.8       49.32       132.8       66.40          UL-RL  2.4151E+05  -7.600       32.39
1.000       1.000       81.71       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   17.03     -3.3567E-05   103.4       50.78       135.4       67.72          UL-RL  2.4151E+05  -7.800       34.36
1.000       1.000       85.14       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   17.71     -3.3088E-05   106.1       52.24       138.1       69.04          UL-RL  2.4151E+05  -8.000       36.33
1.000       1.000       88.56       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   18.39     -3.2649E-05   108.7       53.68       140.7       70.35          UL-RL  2.4151E+05  -8.200       38.30
1.000       1.000       91.97       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   19.07     -3.2248E-05   111.3       55.11       143.3       71.67          UL-RL  2.4151E+05  -8.400       40.26
1.000       1.000       95.37       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   19.75     -3.1882E-05   114.0       56.53       146.0       72.98          UL-RL  2.4151E+05  -8.600       42.23
1.000       1.000       98.76       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   20.43     -3.1548E-05   116.6       57.94       148.6       74.30          UL-RL  2.4151E+05  -8.800       44.20
1.000       1.000       102.1       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   21.10     -3.1244E-05   119.2       59.35       151.2       75.62          UL-RL  2.4151E+05  -9.000       46.17
1.000       1.000       105.5       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   21.78     -3.0967E-05   121.9       60.75       153.9       76.93          UL-RL  2.4151E+05  -9.200       48.14
1.000       1.000       108.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   22.45     -3.0715E-05   124.5       62.14       156.5       78.25          UL-RL  2.4151E+05  -9.400       50.10
1.000       1.000       112.2       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   23.12     -3.0485E-05   127.1       63.53       159.1       79.56          UL-RL  2.4151E+05  -9.600       52.07
1.000       1.000       115.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   23.79     -3.0274E-05   129.8       64.91       161.8       80.88          UL-RL  2.4151E+05  -9.800       54.04
1.000       1.000       119.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   24.46     -3.0082E-05   132.4       66.29       164.4       82.20          UL-RL  2.4151E+05  -10.00       56.01
1.000       1.000       122.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   25.13     -2.9905E-05   135.0       67.66       167.0       83.51          UL-RL  2.4151E+05  -10.20       57.98
1.000       1.000       125.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   25.80     -2.9742E-05   137.7       69.03       169.7       84.83          UL-RL  2.4151E+05  -10.40       59.95
1.000       1.000       129.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   26.46     -2.9591E-05   140.3       70.40       172.3       86.14          UL-RL  2.4151E+05  -10.60       61.91
1.000       1.000       132.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   27.13     -2.9451E-05   142.9       71.76       174.9       87.46          UL-RL  2.4151E+05  -10.80       63.88
1.000       1.000       135.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   27.79     -2.9321E-05   145.5       73.12       177.5       88.77          UL-RL  2.4151E+05  -11.00       65.85
1.000       1.000       139.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   28.46     -2.9198E-05   148.2       74.48       180.2       90.09          UL-RL  2.4151E+05  -11.20       67.82
1.000       1.000       142.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   29.12     -2.9082E-05   150.8       75.84       182.8       91.41          UL-RL  2.4151E+05  -11.40       69.79
1.000       1.000       145.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   29.79     -2.8972E-05   153.4       77.19       185.4       92.72          UL-RL  2.4151E+05  -11.60       71.75
1.000       1.000       148.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   30.45     -2.8867E-05   156.1       78.55       188.1       94.04          UL-RL  2.4151E+05  -11.80       73.72
1.000       1.000       152.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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53 D	31.12	-2.8766E-05	158.7	79.90	190.7	95.35	UL-RL	2.4151E+05	-12.00	75.69
1.000	1.000	155.6	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
54 D	31.78	-2.8668E-05	161.3	81.25	193.3	96.67	UL-RL	2.4151E+05	-12.20	77.66
1.000	1.000	158.9	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
55 D	32.45	-2.8572E-05	164.0	82.61	196.0	97.99	UL-RL	2.4151E+05	-12.40	79.63
1.000	1.000	162.2	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
56 D	33.11	-2.8479E-05	166.6	83.96	198.6	99.30	UL-RL	2.4151E+05	-12.60	81.60
1.000	1.000	165.6	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
57 D	33.77	-2.8387E-05	169.2	85.31	201.2	100.6	UL-RL	2.4151E+05	-12.80	83.56
1.000	1.000	168.9	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
58 D	34.44	-2.8297E-05	171.9	86.66	203.9	101.9	UL-RL	2.4151E+05	-13.00	85.53
1.000	1.000	172.2	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
59 D	35.10	-2.8207E-05	174.5	88.01	206.5	103.2	UL-RL	2.4151E+05	-13.20	87.50
1.000	1.000	175.5	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
60 D	35.76	-2.8119E-05	177.1	89.36	209.1	104.6	UL-RL	2.4151E+05	-13.40	89.47
1.000	1.000	178.8	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
61 D	36.43	-2.8030E-05	179.8	90.70	211.8	105.9	UL-RL	2.4151E+05	-13.60	91.44
1.000	1.000	182.1	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
62 D	37.09	-2.7942E-05	182.4	92.05	214.4	107.2	UL-RL	2.4151E+05	-13.80	93.40
1.000	1.000	185.5	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
63 D	37.75	-2.7854E-05	185.0	93.40	217.0	108.5	UL-RL	2.4151E+05	-14.00	95.37
1.000	1.000	188.8	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
64 D	38.42	-2.7766E-05	187.7	94.75	219.7	109.8	UL-RL	2.4151E+05	-14.20	97.34
1.000	1.000	192.1	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
65 D	39.08	-2.7677E-05	190.3	96.10	222.3	111.1	UL-RL	2.4151E+05	-14.40	99.31
1.000	1.000	195.4	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
66 D	39.74	-2.7589E-05	192.9	97.45	224.9	112.5	UL-RL	2.4151E+05	-14.60	101.3
1.000	1.000	198.7	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
67 D	40.41	-2.7501E-05	195.6	98.80	227.6	113.8	UL-RL	2.4151E+05	-14.80	103.2
1.000	1.000	202.0	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
68 D	41.07	-2.7413E-05	198.2	100.1	230.2	115.1	UL-RL	2.4151E+05	-15.00	105.2
1.000	1.000	205.4	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
69 D	41.73	-2.7324E-05	200.8	101.5	232.8	116.4	UL-RL	2.4151E+05	-15.20	107.2
1.000	1.000	208.7	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
70 D	42.40	-2.7236E-05	203.5	102.8	235.5	117.7	UL-RL	2.4151E+05	-15.40	109.1
1.000	1.000	212.0	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
71 D	43.06	-2.7148E-05	206.1	104.2	238.1	119.0	UL-RL	2.4151E+05	-15.60	111.1
1.000	1.000	215.3	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
72 D	21.86	-2.7059E-05	208.7	105.5	240.7	120.4	UL-RL	2.4151E+05	-15.80	113.1
1.000	1.000	218.6	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:36:15                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      4.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1     0.000         --          --          --          --          --         REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --         REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --         REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --         REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --         REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --         REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --         REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --         REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --         REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --         REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  11 D   1.982      5.1874E-05   0.000       9.908       73.20       36.60          UL-RL  1.9101E+05  -3.600       0.000
1.000       1.000       9.908       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   3.816      5.0362E-05   4.600       19.08       77.80       38.90          UL-RL  1.9101E+05  -3.800       0.000
1.000       1.000       19.08       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   4.620      4.8872E-05   9.200       23.10       82.40       41.20          UL-RL  1.9101E+05  -4.000       0.000
1.000       1.000       23.10       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   5.276      4.7412E-05   13.80       26.38       87.00       43.50          UL-RL  1.9101E+05  -4.200       0.000
1.000       1.000       26.38       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   5.880      4.7020E-05   18.40       29.40       91.60       45.89          UL-RL  1.9101E+05  -4.400       0.000
1.000       1.000       29.40       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   6.465      4.7899E-05   23.00       32.33       96.20       48.40          UL-RL  1.9101E+05  -4.600       0.000
1.000       1.000       32.33       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   7.102      4.7302E-05   26.26       34.17       99.46       50.10          UL-RL  1.9101E+05  -4.800       1.335
1.000       1.000       35.51       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   7.771      4.5962E-05   28.83       35.49       102.0       51.37          UL-RL  1.9101E+05  -5.000       3.367
1.000       1.000       38.86       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   8.438      4.4680E-05   31.40       36.79       104.6       52.65          UL-RL  1.9101E+05  -5.200       5.399
1.000       1.000       42.19       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   9.101      4.3459E-05   33.97       38.08       107.2       53.93          UL-RL  1.9101E+05  -5.400       7.431
1.000       1.000       45.51       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   9.763      4.2301E-05   36.54       39.35       109.7       55.21          UL-RL  1.9101E+05  -5.600       9.463
1.000       1.000       48.82       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   10.42      4.1207E-05   39.11       40.63       112.3       56.48          UL-RL  1.9101E+05  -5.800       11.49
1.000       1.000       52.12       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   11.08      4.0177E-05   41.67       41.90       114.9       57.76          UL-RL  1.9101E+05  -6.000       13.53
1.000       1.000       55.42       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   11.75      3.9210E-05   44.24       43.17       117.4       59.04          UL-RL  1.9101E+05  -6.200       15.56
1.000       1.000       58.73       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   12.41      3.8306E-05   46.81       44.44       120.0       60.32          UL-RL  1.9101E+05  -6.400       17.59
1.000       1.000       62.03       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
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0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   13.07      3.7463E-05   49.38       45.71       122.6       61.59          UL-RL  1.9101E+05  -6.600       19.62
1.000       1.000       65.33       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   13.73      3.6679E-05   51.95       46.98       125.1       62.87          UL-RL  1.9101E+05  -6.800       21.65
1.000       1.000       68.63       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   14.39      3.5952E-05   54.51       48.26       127.7       64.15          UL-RL  1.9101E+05  -7.000       23.69
1.000       1.000       71.94       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   15.05      3.5281E-05   57.08       49.53       130.3       65.43          UL-RL  1.9101E+05  -7.200       25.72
1.000       1.000       75.25       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   15.71      3.4661E-05   59.65       50.81       132.9       66.70          UL-RL  1.9101E+05  -7.400       27.75
1.000       1.000       78.56       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   16.38      3.4091E-05   62.22       52.10       135.4       67.98          UL-RL  1.9101E+05  -7.600       29.78
1.000       1.000       81.88       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   17.04      3.3567E-05   64.79       53.39       138.0       69.26          UL-RL  1.9101E+05  -7.800       31.81
1.000       1.000       85.20       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   17.70      3.3088E-05   67.36       54.68       140.6       70.54          UL-RL  1.9101E+05  -8.000       33.84
1.000       1.000       88.52       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   18.37      3.2649E-05   69.92       55.97       143.1       71.81          UL-RL  1.9101E+05  -8.200       35.88
1.000       1.000       91.85       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   19.03      3.2248E-05   72.49       57.27       145.7       73.09          UL-RL  1.9101E+05  -8.400       37.91
1.000       1.000       95.17       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   19.70      3.1882E-05   75.06       58.56       148.3       74.37          UL-RL  1.9101E+05  -8.600       39.94
1.000       1.000       98.50       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   20.37      3.1548E-05   77.63       59.87       150.8       75.65          UL-RL  1.9101E+05  -8.800       41.97
1.000       1.000       101.8       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   21.03      3.1244E-05   80.20       61.17       153.4       76.92          UL-RL  1.9101E+05  -9.000       44.00
1.000       1.000       105.2       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   21.70      3.0967E-05   82.76       62.47       156.0       78.20          UL-RL  1.9101E+05  -9.200       46.04
1.000       1.000       108.5       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   22.37      3.0715E-05   85.33       63.78       158.5       79.48          UL-RL  1.9101E+05  -9.400       48.07
1.000       1.000       111.8       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   23.04      3.0485E-05   87.90       65.09       161.1       80.76          UL-RL  1.9101E+05  -9.600       50.10
1.000       1.000       115.2       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   23.71      3.0274E-05   90.47       66.40       163.7       82.03          UL-RL  1.9101E+05  -9.800       52.13
1.000       1.000       118.5       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   24.37      3.0082E-05   93.04       67.71       166.2       83.31          UL-RL  1.9101E+05  -10.00       54.16
1.000       1.000       121.9       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   25.04      2.9905E-05   95.61       69.02       168.8       84.59          UL-RL  1.9101E+05  -10.20       56.19
1.000       1.000       125.2       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   25.71      2.9742E-05   98.17       70.33       171.4       85.87          UL-RL  1.9101E+05  -10.40       58.23
1.000       1.000       128.6       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   26.38      2.9591E-05   100.7       71.64       173.9       87.14          UL-RL  1.9101E+05  -10.60       60.26
1.000       1.000       131.9       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   27.05      2.9451E-05   103.3       72.96       176.5       88.42          UL-RL  1.9101E+05  -10.80       62.29
1.000       1.000       135.2       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   27.72      2.9321E-05   105.9       74.27       179.1       89.70          UL-RL  1.9101E+05  -11.00       64.32
1.000       1.000       138.6       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   28.39      2.9198E-05   108.4       75.58       181.6       90.98          UL-RL  1.9101E+05  -11.20       66.35
1.000       1.000       141.9       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   29.06      2.9082E-05   111.0       76.89       184.2       92.25          UL-RL  1.9101E+05  -11.40       68.39
1.000       1.000       145.3       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   29.72      2.8972E-05   113.6       78.20       186.8       93.53          UL-RL  1.9101E+05  -11.60       70.42
1.000       1.000       148.6       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   30.39      2.8867E-05   116.2       79.51       189.4       94.81          UL-RL  1.9101E+05  -11.80       72.45
1.000       1.000       152.0       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  53 D   31.06      2.8766E-05   118.7       80.82       191.9       96.09          UL-RL  1.9101E+05  -12.00       74.48
1.000       1.000       155.3       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   31.73      2.8668E-05   121.3       82.13       194.5       97.36          UL-RL  1.9101E+05  -12.20       76.51
1.000       1.000       158.6       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   32.40      2.8572E-05   123.9       83.44       197.1       98.64          UL-RL  1.9101E+05  -12.40       78.54
1.000       1.000       162.0       0.000       0.000       50.40       50.40      Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   33.07      2.8479E-05   126.4       84.75       199.6       99.92          UL-RL  1.9101E+05  -12.60       80.58
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1.000       1.000       165.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   33.73      2.8387E-05   129.0       86.06       202.2       101.2          UL-RL  1.9101E+05  -12.80       82.61
1.000       1.000       168.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   34.40      2.8297E-05   131.6       87.36       204.8       102.5          UL-RL  1.9101E+05  -13.00       84.64
1.000       1.000       172.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   35.07      2.8207E-05   134.1       88.67       207.3       103.8          UL-RL  1.9101E+05  -13.20       86.67
1.000       1.000       175.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   35.74      2.8119E-05   136.7       89.97       209.9       105.0          UL-RL  1.9101E+05  -13.40       88.70
1.000       1.000       178.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   36.40      2.8030E-05   139.3       91.28       212.5       106.3          UL-RL  1.9101E+05  -13.60       90.74
1.000       1.000       182.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   37.07      2.7942E-05   141.8       92.58       215.0       107.6          UL-RL  1.9101E+05  -13.80       92.77
1.000       1.000       185.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   37.74      2.7854E-05   144.4       93.88       217.6       108.9          UL-RL  1.9101E+05  -14.00       94.80
1.000       1.000       188.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   38.40      2.7766E-05   147.0       95.18       220.2       110.1          UL-RL  1.9101E+05  -14.20       96.83
1.000       1.000       192.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   39.07      2.7677E-05   149.5       96.49       222.7       111.4          UL-RL  1.9101E+05  -14.40       98.86
1.000       1.000       195.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   39.74      2.7589E-05   152.1       97.79       225.3       112.7          UL-RL  1.9101E+05  -14.60       100.9
1.000       1.000       198.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   40.40      2.7501E-05   154.7       99.08       227.9       114.0          UL-RL  1.9101E+05  -14.80       102.9
1.000       1.000       202.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   41.07      2.7413E-05   157.2       100.4       230.4       115.2          UL-RL  1.9101E+05  -15.00       105.0
1.000       1.000       205.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   41.73      2.7324E-05   159.8       101.7       233.0       116.5          UL-RL  1.9101E+05  -15.20       107.0
1.000       1.000       208.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   42.40      2.7236E-05   162.4       103.0       235.6       117.8          UL-RL  1.9101E+05  -15.40       109.0
1.000       1.000       212.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   43.07      2.7148E-05   164.9       104.3       238.1       119.1          UL-RL  1.9101E+05  -15.60       111.1
1.000       1.000       215.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   21.87      2.7059E-05   167.5       105.6       240.7       120.4          UL-RL  1.9101E+05  -15.80       113.1
1.000       1.000       218.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
```

New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_9503   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   71
C U R R E N T   T I M E   I S   4.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

EL	TA	TB	MA	MB
1	-3.64934E-11	3.64934E-11	-3.45679E-12	3.77300E-12
2	3.12073E-11	-3.12073E-11	-4.32722E-12	6.57968E-12
3	-3.30824E-11	3.30824E-11	-6.70403E-12	-5.67701E-12
4	4.59863E-11	-4.59863E-11	7.38587E-12	-1.11482E-11
5	-1.14255E-11	1.14255E-11	1.50704E-11	-5.55600E-12
6	-2.14868E-11	2.14868E-11	2.73159E-12	-1.22706E-11
7	2.01230E-11	-2.01230E-11	1.27147E-11	-4.80949E-12
8	0.38045	-0.38045	8.51497E-12	7.60897E-02
9	2.2528	-2.2528	-7.60897E-02	0.52666
10	4.6843	-4.6843	-0.52666	1.4635
11	5.6887	-5.6887	-1.4635	2.6013
12	5.4096	-5.4096	-2.6013	3.6832
13	4.8729	-4.8729	-3.6832	4.6578
14	4.2240	-4.2240	-4.6578	5.5026
15	3.5290	-3.5290	-5.5026	6.2084
16	2.8247	-2.8247	-6.2084	6.7733
17	2.1607	-2.1607	-6.7733	7.2054
18	1.5554	-1.5554	-7.2054	7.5165
19	1.0091	-1.0091	-7.5165	7.7183
20	0.52069	-0.52069	-7.7183	7.8225
21	8.86716E-02	-8.86716E-02	-7.8225	7.8402
22	-0.28926	0.28926	-7.8402	7.7824
23	-0.61582	0.61582	-7.7824	7.6592
24	-0.89404	0.89404	-7.6592	7.4804
25	-1.1272	1.1272	-7.4804	7.2550
26	-1.3185	1.3185	-7.2550	6.9913
27	-1.4715	1.4715	-6.9913	6.6969
28	-1.5896	1.5896	-6.6969	6.3790
29	-1.6761	1.6761	-6.3790	6.0438
30	-1.7343	1.7343	-6.0438	5.6969
31	-1.7673	1.7673	-5.6969	5.3435
32	-1.7781	1.7781	-5.3435	4.9879
33	-1.7696	1.7696	-4.9879	4.6339
34	-1.7445	1.7445	-4.6339	4.2850
35	-1.7052	1.7052	-4.2850	3.9440
36	-1.6540	1.6540	-3.9440	3.6132
37	-1.5930	1.5930	-3.6132	3.2946
38	-1.5243	1.5243	-3.2946	2.9897
39	-1.4495	1.4495	-2.9897	2.6998
40	-1.3703	1.3703	-2.6998	2.4258
41	-1.2880	1.2880	-2.4258	2.1682
42	-1.2040	1.2040	-2.1682	1.9274
43	-1.1192	1.1192	-1.9274	1.7035
44	-1.0347	1.0347	-1.7035	1.4966
45	0.95138	0.95138	-1.4966	1.3063
46	0.86983	0.86983	-1.3063	1.1323
47	0.79067	0.79067	-1.1323	0.97420
48	0.71441	0.71441	-0.97420	0.83132
49	0.64143	0.64143	-0.83132	0.70303
50	0.57205	0.57205	-0.70303	0.58862
51	0.50650	0.50650	-0.58862	0.48732
52	0.44494	0.44494	-0.48732	0.39833
53	0.38749	0.38749	-0.39833	0.32084
54	0.33420	0.33420	-0.32084	0.25400
55	0.28509	0.28509	-0.25400	0.19698
56	0.24014	0.24014	-0.19698	0.14895
57	0.19929	0.19929	-0.14895	0.10909
58	0.16248	0.16248	-0.10909	7.65953E-02
59	0.12960	0.12960	-7.65953E-02	5.06760E-02
60	0.10054	0.10054	-5.06760E-02	3.05688E-02
61	-7.51755E-02	7.51755E-02	-3.05688E-02	1.55337E-02
62	-5.33865E-02	5.33865E-02	-1.55337E-02	4.85643E-03
63	-3.50360E-02	3.50360E-02	-4.85643E-03	-2.15077E-03
64	-1.99902E-02	1.99902E-02	2.15077E-03	-6.14881E-03
65	-8.11604E-03	8.11604E-03	6.14881E-03	-7.77201E-03
66	7.16619E-04	-7.16619E-04	7.77201E-03	-7.62869E-03
67	6.63380E-03	-6.63380E-03	7.62869E-03	-6.30193E-03
68	9.75641E-03	-9.75641E-03	6.30193E-03	-4.35065E-03
69	1.01997E-02	-1.01997E-02	4.35065E-03	-2.31071E-03
70	8.07309E-03	-8.07309E-03	2.31071E-03	-6.96089E-04

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   71 3.48027E-03-3.48027E-03 6.96089E-04-9.11902E-13

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6583E+05 RIMNOR= 2111.
           RENORM= 1025.     REMNOR=0.2582E-21 RATIO =0.1248     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 41.23     RMMAX = 7.840
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.6583E+05 RDR   = 2111.
           RATIOT=0.1248     RATIOR= 0.000
           MAX UN= 8.233     IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           MIN UN=-.7907E-10 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6583E+05 RIMNOR= 2111.
           RENORM= 28.27     REMNOR=0.2617E-19 RATIO =0.2072E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 41.23     RMMAX = 7.840
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.6583E+05 RDR   = 2111.
           RATIOT=0.2072E-01 RATIOR= 0.000
           MAX UN= 4.849     IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN=-.3842E-09 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6583E+05 RIMNOR= 2111.
           RENORM=0.2129     REMNOR=0.4566E-20 RATIO =0.1799E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 41.23     RMMAX = 7.840
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.6583E+05 RDR   = 2111.
           RATIOT=0.1799E-02 RATIOR= 0.000
           MAX UN=0.4615     IEQ=    25 NODE     13 DOF   1  Y-DISPL.F
           MIN UN=-.4563E-09 IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6583E+05 RIMNOR= 2111.
           RENORM=0.1352E-17 REMNOR=0.6353E-20 RATIO =0.4532E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 41.23     RMMAX = 7.840
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.6583E+05 RDR   = 2111.
           RATIOT=0.4532E-11 RATIOR= 0.000
           MAX UN=0.3372E-09 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           MIN UN=-.4157E-09 IEQ=    23 NODE     12 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :27 January 2022   16:36:15                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     4 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    5     ( AT TIME   5.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
    1   3.0630182E-04  -2.8009683E-05
    2   3.0069988E-04  -2.8009683E-05
    3   2.9509794E-04  -2.8009683E-05
    4   2.8949601E-04  -2.8009683E-05
    5   2.8389407E-04  -2.8009683E-05
    6   2.7829213E-04  -2.8009683E-05
    7   2.7269020E-04  -2.8009683E-05
    8   2.6708826E-04  -2.8009683E-05
    9   2.6148640E-04  -2.8008580E-05
   10   2.5588498E-04  -2.8005272E-05
   11   2.5028444E-04  -2.7999758E-05
   12   2.4468522E-04  -2.7992039E-05
   13   2.3908777E-04  -2.7982115E-05
   14   2.3349252E-04  -2.7969984E-05
   15   2.2893003E-04  -2.7955103E-05
   16   2.2559758E-04  -2.7934185E-05
   17   2.2074329E-04  -2.7900100E-05
   18   2.1509903E-04  -2.7842005E-05
   19   2.0946960E-04  -2.7744735E-05
   20   2.0386473E-04  -2.7588614E-05
   21   1.9829861E-04  -2.7349487E-05
   22   1.9279073E-04  -2.6997610E-05
   23   1.8736540E-04  -2.6523895E-05
   24   1.8204552E-04  -2.5943459E-05
   25   1.7685091E-04  -2.5271268E-05
   26   1.7179853E-04  -2.4521619E-05
   27   1.6690251E-04  -2.3708040E-05
   28   1.6217439E-04  -2.2843196E-05
   29   1.5762326E-04  -2.1938839E-05
   30   1.5325590E-04  -2.1005770E-05
   31   1.4907708E-04  -2.0053857E-05
   32   1.4508967E-04  -1.9092037E-05
   33   1.4129484E-04  -1.8128339E-05
   34   1.3769226E-04  -1.7169920E-05
   35   1.3428021E-04  -1.6223101E-05
   36   1.3105583E-04  -1.5293414E-05
   37   1.2801522E-04  -1.4385647E-05
   38   1.2515355E-04  -1.3503878E-05
   39   1.2246528E-04  -1.2651551E-05
   40   1.1994425E-04  -1.1831502E-05
   41   1.1758375E-04  -1.1046014E-05
   42   1.1537671E-04  -1.0296869E-05
   43   1.1331570E-04  -9.5853760E-06
   44   1.1139306E-04  -8.9124218E-06
   45   1.0960121E-04  -8.2785942E-06
   46   1.0793208E-04  -7.6840000E-06
   47   1.0637792E-04  -7.1285600E-06
   48   1.0493093E-04  -6.6118982E-06
   49   1.0358342E-04  -6.1334062E-06
   50   1.0232783E-04  -5.6922735E-06
   51   1.0115679E-04  -5.2875148E-06
   52   1.0006313E-04  -4.9179951E-06
   53   9.9039944E-05  -4.5824519E-06
   54   9.8080561E-05  -4.2795163E-06
   55   9.7178607E-05  -4.0077303E-06
   56   9.6328006E-05  -3.7655638E-06
   57   9.5522993E-05  -3.5514277E-06
   58   9.4758126E-05  -3.3636865E-06
   59   9.4028292E-05  -3.2006686E-06
   60   9.3328719E-05  -3.0606746E-06
   61   9.2654973E-05  -2.9419848E-06
   62   9.2002968E-05  -2.8428642E-06
   63   9.1368965E-05  -2.7615674E-06
   64   9.0749574E-05  -2.6963410E-06
   65   9.0141759E-05  -2.6454259E-06
   66   8.9542834E-05  -2.6070582E-06
   67   8.8950466E-05  -2.5794695E-06
   68   8.8362678E-05  -2.5608859E-06
   69   8.7777846E-05  -2.5495270E-06
   70   8.7194706E-05  -2.5436045E-06
   71   8.6612350E-05  -2.5413196E-06
   72   8.6030201E-05  -2.5408609E-06
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:36:15                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                        :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      5.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -3.0630E-04   0.000       0.000       32.00       16.00          ACTIVE   0.000      -1.600       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D   0.000     -3.0070E-04   4.000       0.000       36.00       18.00          ACTIVE   0.000      -1.800       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   0.000     -2.9510E-04   8.000       0.000       40.00       20.00          ACTIVE   0.000      -2.000       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   0.000     -2.8950E-04   12.00       0.000       44.00       22.00          ACTIVE   0.000      -2.200       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   0.000     -2.8389E-04   16.00       0.000       48.00       24.00          ACTIVE   0.000      -2.400       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   0.000     -2.7829E-04   20.00       0.000       52.00       26.00          ACTIVE   0.000      -2.600       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   0.000     -2.7269E-04   24.00       0.000       56.00       28.00          ACTIVE   0.000      -2.800       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D  0.2688     -2.6709E-04   28.00       1.344       60.00       30.00          ACTIVE   0.000      -3.000       0.000
1.000       1.000       1.344       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   0.000     -2.6149E-04   32.00       0.000       64.00       32.00          ACTIVE   0.000      -3.200       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   0.000     -2.5588E-04   36.60       0.000       68.60       34.30          ACTIVE   0.000      -3.400       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   0.000     -2.5028E-04   41.20       0.000       73.20       36.60          ACTIVE   0.000      -3.600       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   0.000     -2.4469E-04   45.80       0.000       77.80       38.90          ACTIVE   0.000      -3.800       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   0.000     -2.3909E-04   50.40       0.000       82.40       41.20          ACTIVE   0.000      -4.000       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D  0.1331     -2.3349E-04   55.00      0.6656       87.00       43.50          UL-RL  1.2076E+05  -4.200       0.000
1.000       1.000      0.6656       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D  0.6674     -2.2893E-04   59.60       3.337       90.70       45.35          UL-RL  1.2076E+05  -4.400       0.000
1.000       1.000       3.337       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   1.071     -2.2560E-04   64.20       5.353       93.33       46.67          UL-RL  1.2076E+05  -4.600       0.000
1.000       1.000       5.353       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   1.573     -2.2074E-04   68.80       7.863       95.96       47.98          UL-RL  1.2076E+05  -4.800       0.000
1.000       1.000       7.863       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   2.124     -2.1510E-04   73.40       10.62       98.60       49.30          UL-RL  1.2076E+05  -5.000       0.000
1.000       1.000       10.62       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   2.671     -2.0947E-04   78.00       13.36       101.2       50.61          UL-RL  1.2076E+05  -5.200       0.000
1.000       1.000       13.36       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   3.216     -2.0386E-04   82.58       16.06       103.9       51.93          UL-RL  1.2076E+05  -5.400      1.7396E-02
1.000       1.000       16.08       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   4.034     -1.9830E-04   85.25       18.22       106.5       53.25          UL-RL  1.2076E+05  -5.600       1.951
1.000       1.000       20.17       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   4.848     -1.9279E-04   87.91       20.35       109.1       54.56          UL-RL  1.2076E+05  -5.800       3.885
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1.000       1.000       24.24       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   5.659     -1.8737E-04   90.58       22.47       111.8       55.88          UL-RL  1.2076E+05  -6.000       5.819
1.000       1.000       28.29       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   6.465     -1.8205E-04   93.25       24.57       114.4       57.19          UL-RL  1.2076E+05  -6.200       7.753
1.000       1.000       32.33       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   7.267     -1.7685E-04   95.91       26.65       117.0       58.51          UL-RL  1.2076E+05  -6.400       9.687
1.000       1.000       36.34       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   8.064     -1.7180E-04   98.58       28.70       119.6       59.82          UL-RL  1.2076E+05  -6.600       11.62
1.000       1.000       40.32       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   8.856     -1.6690E-04   101.2       30.72       122.3       61.14          UL-RL  1.2076E+05  -6.800       13.56
1.000       1.000       44.28       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   9.642     -1.6217E-04   103.9       32.72       124.9       62.46          UL-RL  1.2076E+05  -7.000       15.49
1.000       1.000       48.21       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   10.42     -1.5762E-04   106.6       34.69       127.5       63.77          UL-RL  1.2076E+05  -7.200       17.42
1.000       1.000       52.11       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   11.20     -1.5326E-04   109.2       36.63       130.2       65.09          UL-RL  1.2076E+05  -7.400       19.36
1.000       1.000       55.99       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   11.97     -1.4908E-04   111.9       38.54       132.8       66.40          UL-RL  1.2076E+05  -7.600       21.29
1.000       1.000       59.83       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   12.73     -1.4509E-04   114.6       40.42       135.4       67.72          UL-RL  1.2076E+05  -7.800       23.22
1.000       1.000       63.65       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   13.49     -1.4129E-04   117.2       42.27       138.1       69.04          UL-RL  1.2076E+05  -8.000       25.16
1.000       1.000       67.43       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   14.24     -1.3769E-04   119.9       44.10       140.7       70.35          UL-RL  1.2076E+05  -8.200       27.09
1.000       1.000       71.19       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   14.98     -1.3428E-04   122.6       45.90       143.3       71.67          UL-RL  1.2076E+05  -8.400       29.03
1.000       1.000       74.92       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   15.73     -1.3106E-04   125.2       47.67       146.0       72.98          UL-RL  1.2076E+05  -8.600       30.96
1.000       1.000       78.63       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   16.46     -1.2802E-04   127.9       49.41       148.6       74.30          UL-RL  1.2076E+05  -8.800       32.89
1.000       1.000       82.30       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   17.19     -1.2515E-04   130.6       51.13       151.2       75.62          UL-RL  1.2076E+05  -9.000       34.83
1.000       1.000       85.96       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   17.92     -1.2247E-04   133.2       52.82       153.9       76.93          UL-RL  1.2076E+05  -9.200       36.76
1.000       1.000       89.58       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   18.64     -1.1994E-04   135.9       54.49       156.5       78.25          UL-RL  1.2076E+05  -9.400       38.70
1.000       1.000       93.19       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   19.35     -1.1758E-04   138.6       56.14       159.1       79.56          UL-RL  1.2076E+05  -9.600       40.63
1.000       1.000       96.77       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   20.07     -1.1538E-04   141.2       57.77       161.8       80.88          UL-RL  1.2076E+05  -9.800       42.56
1.000       1.000       100.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   20.77     -1.1332E-04   143.9       59.38       164.4       82.20          UL-RL  1.2076E+05  -10.00       44.50
1.000       1.000       103.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   21.48     -1.1139E-04   146.6       60.96       167.0       83.51          UL-RL  1.2076E+05  -10.20       46.43
1.000       1.000       107.4       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   22.18     -1.0960E-04   149.2       62.54       169.7       84.83          UL-RL  1.2076E+05  -10.40       48.37
1.000       1.000       110.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   22.88     -1.0793E-04   151.9       64.09       172.3       86.14          UL-RL  1.2076E+05  -10.60       50.30
1.000       1.000       114.4       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   23.57     -1.0638E-04   154.6       65.63       174.9       87.46          UL-RL  1.2076E+05  -10.80       52.23
1.000       1.000       117.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   24.26     -1.0493E-04   157.2       67.15       177.5       88.77          UL-RL  1.2076E+05  -11.00       54.17
1.000       1.000       121.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   24.95     -1.0358E-04   159.9       68.67       180.2       90.09          UL-RL  1.2076E+05  -11.20       56.10
1.000       1.000       124.8       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   25.64     -1.0233E-04   162.6       70.17       182.8       91.41          UL-RL  1.2076E+05  -11.40       58.04
1.000       1.000       128.2       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   26.33     -1.0116E-04   165.2       71.66       185.4       92.72          UL-RL  1.2076E+05  -11.60       59.97
1.000       1.000       131.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   27.01     -1.0006E-04   167.9       73.14       188.1       94.04          UL-RL  1.2076E+05  -11.80       61.90
1.000       1.000       135.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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53 D	27.69	-9.9040E-05	170.6	74.61	190.7	95.35	UL-RL	1.2076E+05	-12.00	63.84
1.000	1.000	138.4	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
54 D	28.37	-9.8081E-05	173.2	76.07	193.3	96.67	UL-RL	1.2076E+05	-12.20	65.77
1.000	1.000	141.8	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
55 D	29.05	-9.7179E-05	175.9	77.52	196.0	97.99	UL-RL	1.2076E+05	-12.40	67.71
1.000	1.000	145.2	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
56 D	29.72	-9.6328E-05	178.6	78.97	198.6	99.30	UL-RL	1.2076E+05	-12.60	69.64
1.000	1.000	148.6	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
57 D	30.40	-9.5523E-05	181.2	80.41	201.2	100.6	UL-RL	1.2076E+05	-12.80	71.57
1.000	1.000	152.0	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
58 D	31.07	-9.4758E-05	183.9	81.85	203.9	101.9	UL-RL	1.2076E+05	-13.00	73.51
1.000	1.000	155.4	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
59 D	31.74	-9.4028E-05	186.6	83.28	206.5	103.2	UL-RL	1.2076E+05	-13.20	75.44
1.000	1.000	158.7	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
60 D	32.42	-9.3329E-05	189.2	84.71	209.1	104.6	UL-RL	1.2076E+05	-13.40	77.38
1.000	1.000	162.1	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
61 D	33.09	-9.2655E-05	191.9	86.14	211.8	105.9	UL-RL	1.2076E+05	-13.60	79.31
1.000	1.000	165.4	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
62 D	33.76	-9.2003E-05	194.6	87.56	214.4	107.2	UL-RL	1.2076E+05	-13.80	81.24
1.000	1.000	168.8	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
63 D	34.43	-9.1369E-05	197.2	88.98	217.0	108.5	UL-RL	1.2076E+05	-14.00	83.18
1.000	1.000	172.2	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
64 D	35.10	-9.0750E-05	199.9	90.40	219.7	109.8	UL-RL	1.2076E+05	-14.20	85.11
1.000	1.000	175.5	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
65 D	35.77	-9.0142E-05	202.6	91.82	222.3	111.1	UL-RL	1.2076E+05	-14.40	87.05
1.000	1.000	178.9	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
66 D	36.44	-8.9543E-05	205.2	93.23	224.9	112.5	UL-RL	1.2076E+05	-14.60	88.98
1.000	1.000	182.2	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
67 D	37.11	-8.8950E-05	207.9	94.65	227.6	113.8	UL-RL	1.2076E+05	-14.80	90.91
1.000	1.000	185.6	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
68 D	37.78	-8.8363E-05	210.6	96.07	230.2	115.1	UL-RL	1.2076E+05	-15.00	92.85
1.000	1.000	188.9	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
69 D	38.45	-8.7778E-05	213.2	97.48	232.8	116.4	UL-RL	1.2076E+05	-15.20	94.78
1.000	1.000	192.3	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
70 D	39.12	-8.7195E-05	215.9	98.89	235.5	117.7	UL-RL	1.2076E+05	-15.40	96.72
1.000	1.000	195.6	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
71 D	39.79	-8.6612E-05	218.6	100.3	238.1	119.0	UL-RL	1.2076E+05	-15.60	98.65
1.000	1.000	199.0	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
72 D	20.23	-8.6030E-05	221.2	101.7	240.7	120.4	UL-RL	1.2076E+05	-15.80	100.6
1.000	1.000	202.3	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:36:15                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      5.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1     0.000         --          --          --          --          --         REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --         REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --         REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --         REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --         REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --         REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --         REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --         REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --         REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --         REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --         REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --         REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --         REMOVED     --       -4.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --         REMOVED     --       -4.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --         REMOVED     --       -4.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --         REMOVED     --       -4.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --         REMOVED     --       -4.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --         REMOVED     --       -5.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --         REMOVED     --       -5.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --         REMOVED     --       -5.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --         REMOVED     --       -5.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  22 D   6.667      1.9279E-04   4.600       33.33       112.3       56.48        UL-RL  9.5506E+04  -5.800       0.000
1.000       1.000       33.33       0.000       0.000       50.40       50.40     Sch_168_2687_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   7.523      1.8737E-04   9.200       37.62       114.9       57.76        UL-RL  9.5506E+04  -6.000       0.000
1.000       1.000       37.62       0.000       0.000       50.40       50.40     Sch_168_2687_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   8.250      1.8205E-04   12.39       39.84       117.4       59.04        UL-RL  9.5506E+04  -6.200       1.413
1.000       1.000       41.25       0.000       0.000       50.40       50.40     Sch_168_2687_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   8.966      1.7685E-04   14.92       41.35       120.0       60.32        UL-RL  9.5506E+04  -6.400       3.479
1.000       1.000       44.83       0.000       0.000       50.40       50.40     Sch_168_2687_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   9.662      1.7180E-04   17.46       42.77       122.6       61.59        UL-RL  9.5506E+04  -6.600       5.545
1.000       1.000       48.31       0.000       0.000       50.40       50.40     Sch_168_2687_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   10.34      1.6690E-04   19.99       44.11       125.1       62.87        UL-RL  9.5506E+04  -6.800       7.611
1.000       1.000       51.72       0.000       0.000       50.40       50.40     Sch_168_2687_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   11.02      1.6217E-04   22.52       45.41       127.7       64.15        UL-RL  9.5506E+04  -7.000       9.677
1.000       1.000       55.08       0.000       0.000       50.40       50.40     Sch_168_2687_L_0               0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   11.68      1.5762E-04   25.06       46.67       130.3       65.43        UL-RL  9.5506E+04  -7.200       11.74
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1.000       1.000       58.41       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   12.34      1.5326E-04   27.59       47.90       132.9       66.70          UL-RL  9.5506E+04  -7.400       13.81
1.000       1.000       61.71       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   13.00      1.4908E-04   30.12       49.12       135.4       67.98          UL-RL  9.5506E+04  -7.600       15.88
1.000       1.000       64.99       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   13.65      1.4509E-04   32.66       50.33       138.0       69.26          UL-RL  9.5506E+04  -7.800       17.94
1.000       1.000       68.27       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   14.31      1.4129E-04   35.19       51.53       140.6       70.54          UL-RL  9.5506E+04  -8.000       20.01
1.000       1.000       71.53       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   14.96      1.3769E-04   37.73       52.72       143.1       71.81          UL-RL  9.5506E+04  -8.200       22.07
1.000       1.000       74.80       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   15.61      1.3428E-04   40.26       53.92       145.7       73.09          UL-RL  9.5506E+04  -8.400       24.14
1.000       1.000       78.06       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   16.26      1.3106E-04   42.79       55.12       148.3       74.37          UL-RL  9.5506E+04  -8.600       26.21
1.000       1.000       81.32       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   16.92      1.2802E-04   45.33       56.32       150.8       75.65          UL-RL  9.5506E+04  -8.800       28.27
1.000       1.000       84.59       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   17.57      1.2515E-04   47.86       57.52       153.4       76.92          UL-RL  9.5506E+04  -9.000       30.34
1.000       1.000       87.86       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   18.23      1.2247E-04   50.40       58.73       156.0       78.20          UL-RL  9.5506E+04  -9.200       32.40
1.000       1.000       91.14       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   18.88      1.1994E-04   52.93       59.95       158.5       79.48          UL-RL  9.5506E+04  -9.400       34.47
1.000       1.000       94.42       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   19.54      1.1758E-04   55.46       61.17       161.1       80.76          UL-RL  9.5506E+04  -9.600       36.54
1.000       1.000       97.71       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   20.20      1.1538E-04   58.00       62.40       163.7       82.03          UL-RL  9.5506E+04  -9.800       38.60
1.000       1.000       101.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   20.86      1.1332E-04   60.53       63.63       166.2       83.31          UL-RL  9.5506E+04  -10.00       40.67
1.000       1.000       104.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   21.52      1.1139E-04   63.07       64.87       168.8       84.59          UL-RL  9.5506E+04  -10.20       42.73
1.000       1.000       107.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   22.18      1.0960E-04   65.60       66.12       171.4       85.87          UL-RL  9.5506E+04  -10.40       44.80
1.000       1.000       110.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   22.85      1.0793E-04   68.13       67.37       173.9       87.14          UL-RL  9.5506E+04  -10.60       46.87
1.000       1.000       114.2       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   23.51      1.0638E-04   70.67       68.63       176.5       88.42          UL-RL  9.5506E+04  -10.80       48.93
1.000       1.000       117.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   24.18      1.0493E-04   73.20       69.89       179.1       89.70          UL-RL  9.5506E+04  -11.00       51.00
1.000       1.000       120.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   24.84      1.0358E-04   75.74       71.15       181.6       90.98          UL-RL  9.5506E+04  -11.20       53.06
1.000       1.000       124.2       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   25.51      1.0233E-04   78.27       72.42       184.2       92.25          UL-RL  9.5506E+04  -11.40       55.13
1.000       1.000       127.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   26.18      1.0116E-04   80.80       73.70       186.8       93.53          UL-RL  9.5506E+04  -11.60       57.20
1.000       1.000       130.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   26.85      1.0006E-04   83.34       74.97       189.4       94.81          UL-RL  9.5506E+04  -11.80       59.26
1.000       1.000       134.2       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  53 D   27.52      9.9040E-05   85.87       76.25       191.9       96.09          UL-RL  9.5506E+04  -12.00       61.33
1.000       1.000       137.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   28.19      9.8081E-05   88.41       77.53       194.5       97.36          UL-RL  9.5506E+04  -12.20       63.39
1.000       1.000       140.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   28.86      9.7179E-05   90.94       78.82       197.1       98.64          UL-RL  9.5506E+04  -12.40       65.46
1.000       1.000       144.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   29.53      9.6328E-05   93.47       80.10       199.6       99.92          UL-RL  9.5506E+04  -12.60       67.53
1.000       1.000       147.6       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   30.20      9.5523E-05   96.01       81.38       202.2       101.2          UL-RL  9.5506E+04  -12.80       69.59
1.000       1.000       151.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   30.87      9.4758E-05   98.54       82.67       204.8       102.5          UL-RL  9.5506E+04  -13.00       71.66
1.000       1.000       154.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   31.54      9.4028E-05   101.1       83.96       207.3       103.8          UL-RL  9.5506E+04  -13.20       73.72
1.000       1.000       157.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  60 D   32.21      9.3329E-05   103.6       85.24       209.9       105.0          UL-RL  9.5506E+04  -13.40       75.79
1.000       1.000       161.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   32.88      9.2655E-05   106.1       86.53       212.5       106.3          UL-RL  9.5506E+04  -13.60       77.86
1.000       1.000       164.4       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   33.55      9.2003E-05   108.7       87.82       215.0       107.6          UL-RL  9.5506E+04  -13.80       79.92
1.000       1.000       167.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   34.22      9.1369E-05   111.2       89.10       217.6       108.9          UL-RL  9.5506E+04  -14.00       81.99
1.000       1.000       171.1       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  64 D   34.89      9.0750E-05   113.7       90.38       220.2       110.1          UL-RL  9.5506E+04  -14.20       84.05
1.000       1.000       174.4       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   35.56      9.0142E-05   116.3       91.67       222.7       111.4          UL-RL  9.5506E+04  -14.40       86.12
1.000       1.000       177.8       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   36.23      8.9543E-05   118.8       92.95       225.3       112.7          UL-RL  9.5506E+04  -14.60       88.19
1.000       1.000       181.1       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   36.90      8.8950E-05   121.3       94.23       227.9       114.0          UL-RL  9.5506E+04  -14.80       90.25
1.000       1.000       184.5       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   37.57      8.8363E-05   123.9       95.51       230.4       115.2          UL-RL  9.5506E+04  -15.00       92.32
1.000       1.000       187.8       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   38.23      8.7778E-05   126.4       96.78       233.0       116.5          UL-RL  9.5506E+04  -15.20       94.38
1.000       1.000       191.2       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   38.90      8.7195E-05   128.9       98.06       235.6       117.8          UL-RL  9.5506E+04  -15.40       96.45
1.000       1.000       194.5       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   39.57      8.6612E-05   131.5       99.33       238.1       119.1          UL-RL  9.5506E+04  -15.60       98.52
1.000       1.000       197.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   20.12      8.6030E-05   134.0       100.6       240.7       120.4          UL-RL  9.5506E+04  -15.80       100.6
1.000       1.000       201.2       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_9503   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   71
C U R R E N T   T I M E   I S   5.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

EL	TA	TB	MA	MB
1	-6.10497E-11	6.10497E-11	-6.06093E-12	-4.87290E-11
2	-1.00611E-11	1.00611E-11	4.13678E-11	-3.11786E-11
3	2.43404E-10	-2.43404E-10	5.53015E-11	-1.12690E-11
4	6.26414E-11	-6.26414E-11	4.21314E-11	-5.67082E-11
5	-5.59339E-11	5.59339E-11	5.78131E-11	-3.78502E-11
6	6.12772E-11	-6.12772E-11	3.95199E-11	-7.76192E-11
7	-1.08457E-10	1.08457E-10	7.38249E-11	-4.56160E-11
8	0.26878	-0.26878	1.25331E-11	5.37566E-02
9	0.26878	-0.26878	-5.37566E-02	0.10751
10	0.26878	-0.26878	-0.10751	0.16127
11	0.26878	-0.26878	-0.16127	0.21503
12	0.26878	-0.26878	-0.21503	0.26878
13	0.26878	-0.26878	-0.26878	0.32254
14	0.40191	-0.40191	-0.32254	0.40292
15	1.0693	-1.0693	-0.40292	0.61679
16	2.1399	-2.1399	-0.61679	1.0448
17	3.7124	-3.7124	-1.0448	1.7872
18	5.8365	-5.8365	-1.7872	2.9545
19	8.5077	-8.5077	-2.9545	4.6561
20	11.724	-11.724	-4.6561	7.0009
21	15.758	-15.758	-7.0009	10.152
22	13.939	-13.939	-10.152	12.940
23	12.074	-12.074	-12.940	15.355
24	10.289	-10.289	-15.355	17.413
25	8.5902	-8.5902	-17.413	19.131
26	6.9921	-6.9921	-19.131	20.529
27	5.5034	-5.5034	-20.529	21.630
28	4.1285	-4.1285	-21.630	22.456
29	2.8689	-2.8689	-22.456	23.030
30	1.7239	-1.7239	-23.030	23.374
31	0.69098	-0.69098	-23.374	23.512
32	-0.23328	0.23328	-23.512	23.466
33	-1.0533	1.0533	-23.466	23.255
34	-1.7742	1.7742	-23.255	22.900
35	-2.4013	2.4013	-22.900	22.420
36	-2.9405	2.9405	-22.420	21.832
37	-3.3975	3.3975	-21.832	21.152
38	-3.7784	3.7784	-21.152	20.397
39	-4.0890	4.0890	-20.397	19.579
40	-4.3351	4.3351	-19.579	18.712
41	-4.5222	4.5222	-18.712	17.808
42	-4.6560	4.6560	-17.808	16.876
43	-4.7414	4.7414	-16.876	15.928
44	-4.7836	4.7836	-15.928	14.971
45	-4.7871	4.7871	-14.971	14.014
46	-4.7563	4.7563	-14.014	13.063
47	-4.6954	4.6954	-13.063	12.124
48	-4.6081	4.6081	-12.124	11.202
49	-4.4979	4.4979	-11.202	10.302
50	-4.3679	4.3679	-10.302	9.4288
51	-4.2212	4.2212	-9.4288	8.5845
52	-4.0603	4.0603	-8.5845	7.7725
53	-3.8875	3.8875	-7.7725	6.9950
54	-3.7049	3.7049	-6.9950	6.2540
55	-3.5145	3.5145	-6.2540	5.5511
56	-3.3177	3.3177	-5.5511	4.8876
57	-3.1158	3.1158	-4.8876	4.2644
58	-2.9102	2.9102	-4.2644	3.6824
59	-2.7017	2.7017	-3.6824	3.1420
60	-2.4910	2.4910	-3.1420	2.6438
61	-2.2788	2.2788	-2.6438	2.1881
62	-2.0655	2.0655	-2.1881	1.7750
63	-1.8515	1.8515	-1.7750	1.4047
64	-1.6368	1.6368	-1.4047	1.0773
65	-1.4215	1.4215	-1.0773	0.79302
66	-1.2057	1.2057	-0.79302	0.55188
67	-0.98919	0.98919	-0.55188	0.35404
68	-0.77178	0.77178	-0.35404	0.19968
69	-0.55326	0.55326	-0.19968	8.90291E-02
70	-0.33336	0.33336	-8.90291E-02	2.23571E-02

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   71-0.11178     0.11178    -2.23571E-02-8.27969E-13

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4425E+05 RIMNOR=0.2145E+05
           RENORM= 1831.     REMNOR=0.6353E-20 RATIO =0.2034     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.23     RMMAX = 23.51
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.4425E+05 RDR   =0.2145E+05
           RATIOT=0.2034     RATIOR= 0.000
           MAX UN= 11.17     IEQ=    65 NODE     33 DOF   1  Y-DISPL.F
           MIN UN=-.2818     IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4425E+05 RIMNOR=0.2145E+05
           RENORM= 33.09     REMNOR=0.8600E-19 RATIO =0.2735E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.23     RMMAX = 23.51
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.4425E+05 RDR   =0.2145E+05
           RATIOT=0.2735E-01 RATIOR= 0.000
           MAX UN= 2.914     IEQ=    27 NODE     14 DOF   1  Y-DISPL.F
           MIN UN=-.1276E-08 IEQ=    55 NODE     28 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4425E+05 RIMNOR=0.2145E+05
           RENORM= 5.786     REMNOR=0.4840E-19 RATIO =0.1144E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.23     RMMAX = 23.51
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.4425E+05 RDR   =0.2145E+05
           RATIOT=0.1144E-01 RATIOR= 0.000
           MAX UN= 1.895     IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           MIN UN=-.1194E-08 IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4425E+05 RIMNOR=0.2145E+05
           RENORM=0.1338E-16 REMNOR=0.4452E-19 RATIO =0.1739E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 36.23     RMMAX = 23.51
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.4425E+05 RDR   =0.2145E+05
           RATIOT=0.1739E-10 RATIOR= 0.000
           MAX UN=0.1206E-08 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN=-.1196E-08 IEQ=    57 NODE     29 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                  Exe Time :27 January 2022   16:36:15                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     4 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    6     ( AT TIME   6.000     ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            02               04
    1   8.3781577E-04  -5.7400950E-05
    2   8.2633558E-04  -5.7400950E-05
    3   8.1485539E-04  -5.7400950E-05
    4   8.0337520E-04  -5.7400950E-05
    5   7.9189501E-04  -5.7400950E-05
    6   7.8041482E-04  -5.7400950E-05
    7   7.6893463E-04  -5.7400950E-05
    8   7.5745444E-04  -5.7400950E-05
    9   7.4597432E-04  -5.7399847E-05
   10   7.3449465E-04  -5.7396539E-05
   11   7.2301585E-04  -5.7391025E-05
   12   7.1153838E-04  -5.7383306E-05
   13   7.0006268E-04  -5.7373381E-05
   14   6.8858918E-04  -5.7361251E-05
   15   6.7814840E-04  -5.7346915E-05
   16   6.6893725E-04  -5.7330374E-05
   17   6.5820245E-04  -5.7311628E-05
   18   6.4667264E-04  -5.7290675E-05
   19   6.3514686E-04  -5.7267518E-05
   20   6.2362549E-04  -5.7242155E-05
   21   6.1210906E-04  -5.7214586E-05
   22   6.0059808E-04  -5.7184812E-05
   23   5.8909299E-04  -5.7152832E-05
   24   5.7759435E-04  -5.7118648E-05
   25   5.6610249E-04  -5.7082257E-05
   26   5.5461796E-04  -5.7043388E-05
   27   5.4314149E-04  -5.6999007E-05
   28   5.3167492E-04  -5.6941128E-05
   29   5.2022223E-04  -5.6856842E-05
   30   5.0879030E-04  -5.6728351E-05
   31   4.9739022E-04  -5.6533008E-05
   32   4.8603805E-04  -5.6243176E-05
   33   4.7475595E-04  -5.5825127E-05
   34   4.6357353E-04  -5.5238081E-05
   35   4.5252686E-04  -5.4470518E-05
   36   4.4164981E-04  -5.3545118E-05
   37   4.3097161E-04  -5.2485820E-05
   38   4.2051662E-04  -5.1315591E-05
   39   4.1030494E-04  -5.0055508E-05
   40   4.0035260E-04  -4.8724856E-05
   41   3.9067188E-04  -4.7341580E-05
   42   3.8127169E-04  -4.5922291E-05
   43   3.7215759E-04  -4.4482255E-05
   44   3.6333214E-04  -4.3035423E-05
   45   3.5479627E-04  -4.1594655E-05
   46   3.4654653E-04  -4.0171257E-05
   47   3.3857883E-04  -3.8775603E-05
   48   3.3088669E-04  -3.7416852E-05
   49   3.2346189E-04  -3.6103073E-05
   50   3.1629474E-04  -3.4841281E-05
   51   3.0937422E-04  -3.3637493E-05
   52   3.0268820E-04  -3.2496764E-05
   53   2.9622366E-04  -3.1423237E-05
   54   2.8996679E-04  -3.0420177E-05
   55   2.8390327E-04  -2.9490017E-05
   56   2.7801833E-04  -2.8634387E-05
   57   2.7229697E-04  -2.7854151E-05
   58   2.6672409E-04  -2.7149436E-05
   59   2.6128462E-04  -2.6519658E-05
   60   2.5596371E-04  -2.5963544E-05
   61   2.5074679E-04  -2.5479157E-05
   62   2.4561978E-04  -2.5063909E-05
   63   2.4056916E-04  -2.4714577E-05
   64   2.3558212E-04  -2.4427313E-05
   65   2.3064668E-04  -2.4197656E-05
   66   2.2575182E-04  -2.4020532E-05
   67   2.2088759E-04  -2.3890263E-05
   68   2.1604524E-04  -2.3800564E-05
   69   2.1121734E-04  -2.3744546E-05
   70   2.0639788E-04  -2.3714711E-05
   71   2.0158244E-04  -2.3702949E-05
   72   1.9676801E-04  -2.3700534E-05
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:36:15                                               |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      6.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                              ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -8.3782E-04   0.000       0.000       32.00       16.00          ACTIVE   0.000      -1.600       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D   0.000     -8.2634E-04   4.000       0.000       36.00       18.00          ACTIVE   0.000      -1.800       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   0.000     -8.1486E-04   8.000       0.000       40.00       20.00          ACTIVE   0.000      -2.000       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   0.000     -8.0338E-04   12.00       0.000       44.00       22.00          ACTIVE   0.000      -2.200       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   0.000     -7.9190E-04   16.00       0.000       48.00       24.00          ACTIVE   0.000      -2.400       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   0.000     -7.8041E-04   20.00       0.000       52.00       26.00          ACTIVE   0.000      -2.600       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   0.000     -7.6893E-04   24.00       0.000       56.00       28.00          ACTIVE   0.000      -2.800       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D  0.2688     -7.5745E-04   28.00       1.344       60.00       30.00          ACTIVE   0.000      -3.000       0.000
1.000       1.000       1.344       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   0.000     -7.4597E-04   32.00       0.000       64.00       32.00          ACTIVE   0.000      -3.200       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   0.000     -7.3449E-04   36.60       0.000       68.60       34.30          ACTIVE   0.000      -3.400       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   0.000     -7.2302E-04   41.20       0.000       73.20       36.60          ACTIVE   0.000      -3.600       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   0.000     -7.1154E-04   45.80       0.000       77.80       38.90          ACTIVE   0.000      -3.800       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   0.000     -7.0006E-04   50.40       0.000       82.40       41.20          ACTIVE   0.000      -4.000       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   0.000     -6.8859E-04   55.00       0.000       87.00       43.50          ACTIVE   0.000      -4.200       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   0.000     -6.7815E-04   59.60       0.000       90.70       45.35          ACTIVE   0.000      -4.400       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   0.000     -6.6894E-04   64.20       0.000       93.33       46.67          ACTIVE   0.000      -4.600       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   0.000     -6.5820E-04   68.80       0.000       95.96       47.98          ACTIVE   0.000      -4.800       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   0.000     -6.4667E-04   73.40       0.000       98.60       49.30          ACTIVE   0.000      -5.000       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   0.000     -6.3515E-04   78.00       0.000       101.2       50.61          ACTIVE   0.000      -5.200       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   0.000     -6.2363E-04   82.60       0.000       103.9       51.93          ACTIVE   0.000      -5.400       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   0.000     -6.1211E-04   87.20       0.000       106.5       53.25          ACTIVE   0.000      -5.600       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   0.000     -6.0060E-04   91.80       0.000       109.1       54.56          ACTIVE   0.000      -5.800       0.000
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1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   0.000     -5.8909E-04   96.40       0.000       111.8       55.88         ACTIVE   0.000      -6.000       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   0.000     -5.7759E-04   101.0       0.000       114.4       57.19         ACTIVE   0.000      -6.200       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D  6.6607E-02 -5.6610E-04   105.6      0.3330       117.0       58.51          UL-RL  7.4312E+04  -6.400       0.000
1.000       1.000       0.3330      0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D  0.6725      -5.5462E-04   110.2       3.363       119.6       59.82          UL-RL  7.4312E+04  -6.600       0.000
1.000       1.000       3.363       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   1.274     -5.4314E-04   114.8       6.372       122.3       61.14          UL-RL  7.4312E+04  -6.800       0.000
1.000       1.000       6.372       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   1.872     -5.3167E-04   119.4       9.360       124.9       62.46          UL-RL  7.4312E+04  -7.000       0.000
1.000       1.000       9.360       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   2.466     -5.2022E-04   124.0       12.33       127.5       63.77          UL-RL  7.4312E+04  -7.200       0.000
1.000       1.000       12.33       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   3.055     -5.0879E-04   128.6       15.28       130.2       65.09          UL-RL  7.4312E+04  -7.400       0.000
1.000       1.000       15.28       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   3.680     -4.9739E-04   133.0       18.20       133.0       66.40          UL-RL  7.4312E+04  -7.600       0.2037
1.000       1.000       18.40       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   4.541     -4.8604E-04   135.8       20.69       135.8       67.72          UL-RL  7.4312E+04  -7.800       2.014
1.000       1.000       22.71       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   5.398     -4.7476E-04   138.6       23.17       138.6       69.04          UL-RL  7.4312E+04  -8.000       3.825
1.000       1.000       26.99       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   6.251     -4.6357E-04   141.4       25.62       141.4       70.35          UL-RL  7.4312E+04  -8.200       5.636
1.000       1.000       31.25       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   7.099     -4.5253E-04   144.2       28.05       144.2       71.67          UL-RL  7.4312E+04  -8.400       7.446
1.000       1.000       35.50       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   7.942     -4.4165E-04   146.9       30.45       146.9       72.98          UL-RL  7.4312E+04  -8.600       9.257
1.000       1.000       39.71       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   8.779     -4.3097E-04   149.7       32.83       149.7       74.30          UL-RL  7.4312E+04  -8.800       11.07
1.000       1.000       43.90       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   9.611     -4.2052E-04   152.5       35.18       152.5       75.62          UL-RL  7.4312E+04  -9.000       12.88
1.000       1.000       48.06       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   10.44     -4.1030E-04   155.3       37.50       155.3       76.93          UL-RL  7.4312E+04  -9.200       14.69
1.000       1.000       52.19       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   11.26     -4.0035E-04   158.1       39.79       158.1       78.25          UL-RL  7.4312E+04  -9.400       16.50
1.000       1.000       56.29       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   12.07     -3.9067E-04   160.9       42.05       160.9       79.56          UL-RL  7.4312E+04  -9.600       18.31
1.000       1.000       60.36       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   12.88     -3.8127E-04   163.7       44.27       163.7       80.88          UL-RL  7.4312E+04  -9.800       20.12
1.000       1.000       64.39       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   13.68     -3.7216E-04   166.5       46.47       166.5       82.20          UL-RL  7.4312E+04  -10.00       21.93
1.000       1.000       68.40       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   14.48     -3.6333E-04   169.3       48.64       169.3       83.51          UL-RL  7.4312E+04  -10.20       23.74
1.000       1.000       72.38       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   15.27     -3.5480E-04   172.0       50.78       172.0       84.83          UL-RL  7.4312E+04  -10.40       25.55
1.000       1.000       76.33       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   16.05     -3.4655E-04   174.8       52.89       174.8       86.14          UL-RL  7.4312E+04  -10.60       27.36
1.000       1.000       80.25       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   16.83     -3.3858E-04   177.6       54.97       177.6       87.46          UL-RL  7.4312E+04  -10.80       29.17
1.000       1.000       84.15       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   17.60     -3.3089E-04   180.4       57.03       180.4       88.77          UL-RL  7.4312E+04  -11.00       30.98
1.000       1.000       88.01       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   18.37     -3.2346E-04   183.2       59.06       183.2       90.09          UL-RL  7.4312E+04  -11.20       32.79
1.000       1.000       91.86       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   19.13     -3.1629E-04   186.0       61.07       186.0       91.41          UL-RL  7.4312E+04  -11.40       34.61
1.000       1.000       95.67       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   19.89     -3.0937E-04   188.8       63.05       188.8       92.72          UL-RL  7.4312E+04  -11.60       36.42
1.000       1.000       99.47       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   20.65     -3.0269E-04   191.6       65.01       191.6       94.04          UL-RL  7.4312E+04  -11.80       38.23
1.000       1.000       103.2       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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53 D	21.40	-2.9622E-04	194.4	66.96	194.4	95.35	UL-RL	7.4312E+04	-12.00	40.04
1.000	1.000	107.0	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
54 D	22.15	-2.8997E-04	197.2	68.88	197.2	96.67	UL-RL	7.4312E+04	-12.20	41.85
1.000	1.000	110.7	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
55 D	22.89	-2.8390E-04	199.9	70.79	199.9	97.99	UL-RL	7.4312E+04	-12.40	43.66
1.000	1.000	114.4	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
56 D	23.63	-2.7802E-04	202.7	72.68	202.7	99.30	UL-RL	7.4312E+04	-12.60	45.47
1.000	1.000	118.1	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
57 D	24.37	-2.7230E-04	205.5	74.55	205.5	100.6	UL-RL	7.4312E+04	-12.80	47.28
1.000	1.000	121.8	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
58 D	25.10	-2.6672E-04	208.3	76.41	208.3	101.9	UL-RL	7.4312E+04	-13.00	49.09
1.000	1.000	125.5	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
59 D	25.83	-2.6128E-04	211.1	78.26	211.1	103.2	UL-RL	7.4312E+04	-13.20	50.90
1.000	1.000	129.2	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
60 D	26.56	-2.5596E-04	213.9	80.11	213.9	104.6	UL-RL	7.4312E+04	-13.40	52.71
1.000	1.000	132.8	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
61 D	27.29	-2.5075E-04	216.7	81.94	216.7	105.9	UL-RL	7.4312E+04	-13.60	54.52
1.000	1.000	136.5	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
62 D	28.02	-2.4562E-04	219.5	83.76	219.5	107.2	UL-RL	7.4312E+04	-13.80	56.33
1.000	1.000	140.1	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
63 D	28.74	-2.4057E-04	222.3	85.58	222.3	108.5	UL-RL	7.4312E+04	-14.00	58.14
1.000	1.000	143.7	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
64 D	29.47	-2.3558E-04	225.0	87.39	225.0	109.8	UL-RL	7.4312E+04	-14.20	59.95
1.000	1.000	147.3	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
65 D	30.19	-2.3065E-04	227.8	89.20	227.8	111.1	UL-RL	7.4312E+04	-14.40	61.76
1.000	1.000	151.0	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
66 D	30.92	-2.2575E-04	230.6	91.00	230.6	112.5	UL-RL	7.4312E+04	-14.60	63.58
1.000	1.000	154.6	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
67 D	31.64	-2.2089E-04	233.4	92.80	233.4	113.8	UL-RL	7.4312E+04	-14.80	65.39
1.000	1.000	158.2	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
68 D	32.36	-2.1605E-04	236.2	94.60	236.2	115.1	UL-RL	7.4312E+04	-15.00	67.20
1.000	1.000	161.8	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
69 D	33.08	-2.1122E-04	239.0	96.40	239.0	116.4	UL-RL	7.4312E+04	-15.20	69.01
1.000	1.000	165.4	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
70 D	33.80	-2.0640E-04	241.8	98.20	241.8	117.7	UL-RL	7.4312E+04	-15.40	70.82
1.000	1.000	169.0	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
71 D	34.53	-2.0158E-04	244.6	100.00	244.6	119.0	UL-RL	7.4312E+04	-15.60	72.63
1.000	1.000	172.6	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						
72 D	17.62	-1.9677E-04	247.4	101.8	247.4	120.4	UL-RL	7.4312E+04	-15.80	74.44
1.000	1.000	176.2	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000
0.0000	0.0000	0.0000	0.0000	0.0000						

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:36:15                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      6.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                            ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1     0.000         --          --          --          --          --         REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --         REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --         REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --         REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --         REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --         REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --         REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --         REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --         REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --         REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --         REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --         REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --         REMOVED     --       -4.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --         REMOVED     --       -4.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --         REMOVED     --       -4.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --         REMOVED     --       -4.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --         REMOVED     --       -4.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --         REMOVED     --       -5.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --         REMOVED     --       -5.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --         REMOVED     --       -5.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --         REMOVED     --       -5.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --         REMOVED     --       -5.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --         REMOVED     --       -6.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  24     0.000         --          --          --          --          --         REMOVED     --       -6.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  25     0.000         --          --          --          --          --         REMOVED     --       -6.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  26     0.000         --          --          --          --          --         REMOVED     --       -6.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  27     0.000         --          --          --          --          --         REMOVED     --       -6.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  28     0.000         --          --          --          --          --         REMOVED     --       -7.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  29     0.000         --          --          --          --          --         REMOVED     --       -7.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  30     0.000         --          --          --          --          --         REMOVED     --       -7.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  31     0.000         --          --          --          --          --         REMOVED     --       -7.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  32     0.000         --          --          --          --          --         REMOVED     --       -7.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
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  33     0.000         --          --          --          --          --          REMOVED     --        -8.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  34 D   8.841      4.6357E-04   2.300       44.21       143.1       71.81          UL-RL  5.8773E+04  -8.200       0.000
1.000       1.000       44.21       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   10.04      4.5253E-04   6.900       50.18       145.7       73.09          UL-RL  5.8773E+04  -8.400       0.000
1.000       1.000       50.18       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   10.84      4.4165E-04   11.50       54.19       148.3       74.37          UL-RL  5.8773E+04  -8.600       0.000
1.000       1.000       54.19       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   11.48      4.3097E-04   16.10       57.42       150.8       75.65          UL-RL  5.8773E+04  -8.800       0.000
1.000       1.000       57.42       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   12.04      4.2052E-04   20.70       60.21       153.4       76.92          UL-RL  5.8773E+04  -9.000       0.000
1.000       1.000       60.21       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   12.71      4.1030E-04   23.11       61.34       156.0       78.20          UL-RL  5.8773E+04  -9.200       2.189
1.000       1.000       63.53       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   13.36      4.0035E-04   25.52       62.43       158.5       79.48          UL-RL  5.8773E+04  -9.400       4.379
1.000       1.000       66.81       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   14.01      3.9067E-04   27.93       63.50       161.1       80.76          UL-RL  5.8773E+04  -9.600       6.568
1.000       1.000       70.07       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   14.66      3.8127E-04   30.34       64.55       163.7       82.03          UL-RL  5.8773E+04  -9.800       8.757
1.000       1.000       73.30       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   15.31      3.7216E-04   32.75       65.58       166.2       83.31          UL-RL  5.8773E+04  -10.00       10.95
1.000       1.000       76.53       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   15.95      3.6333E-04   35.16       66.61       168.8       84.59          UL-RL  5.8773E+04  -10.20       13.14
1.000       1.000       79.75       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   16.59      3.5480E-04   37.57       67.64       171.4       85.87          UL-RL  5.8773E+04  -10.40       15.33
1.000       1.000       82.96       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   17.24      3.4655E-04   39.98       68.66       173.9       87.14          UL-RL  5.8773E+04  -10.60       17.51
1.000       1.000       86.18       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   17.88      3.3858E-04   42.40       69.68       176.5       88.42          UL-RL  5.8773E+04  -10.80       19.70
1.000       1.000       89.39       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   18.52      3.3089E-04   44.81       70.71       179.1       89.70          UL-RL  5.8773E+04  -11.00       21.89
1.000       1.000       92.60       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   19.16      3.2346E-04   47.22       71.74       181.6       90.98          UL-RL  5.8773E+04  -11.20       24.08
1.000       1.000       95.82       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   19.81      3.1629E-04   49.63       72.77       184.2       92.25          UL-RL  5.8773E+04  -11.40       26.27
1.000       1.000       99.04       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   20.45      3.0937E-04   52.04       73.80       186.8       93.53          UL-RL  5.8773E+04  -11.60       28.46
1.000       1.000       102.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   21.10      3.0269E-04   54.45       74.84       189.4       94.81          UL-RL  5.8773E+04  -11.80       30.65
1.000       1.000       105.5       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  53 D   21.74      2.9622E-04   56.86       75.88       191.9       96.09          UL-RL  5.8773E+04  -12.00       32.84
1.000       1.000       108.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   22.39      2.8997E-04   59.27       76.93       194.5       97.36          UL-RL  5.8773E+04  -12.20       35.03
1.000       1.000       112.0       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   23.04      2.8390E-04   61.68       77.98       197.1       98.64          UL-RL  5.8773E+04  -12.40       37.22
1.000       1.000       115.2       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   23.69      2.7802E-04   64.09       79.03       199.6       99.92          UL-RL  5.8773E+04  -12.60       39.41
1.000       1.000       118.4       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   24.34      2.7230E-04   66.50       80.09       202.2       101.2          UL-RL  5.8773E+04  -12.80       41.60
1.000       1.000       121.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   24.99      2.6672E-04   68.91       81.15       204.8       102.5          UL-RL  5.8773E+04  -13.00       43.79
1.000       1.000       124.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   25.64      2.6128E-04   71.32       82.21       207.3       103.8          UL-RL  5.8773E+04  -13.20       45.98
1.000       1.000       128.2       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   26.29      2.5596E-04   73.73       83.27       209.9       105.0          UL-RL  5.8773E+04  -13.40       48.17
1.000       1.000       131.4       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   26.94      2.5075E-04   76.14       84.33       212.5       106.3          UL-RL  5.8773E+04  -13.60       50.36
1.000       1.000       134.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   27.59      2.4562E-04   78.55       85.39       215.0       107.6          UL-RL  5.8773E+04  -13.80       52.55
1.000       1.000       137.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   28.24      2.4057E-04   80.97       86.45       217.6       108.9          UL-RL  5.8773E+04  -14.00       54.73
1.000       1.000       141.2       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
```

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  64 D   28.89      2.3558E-04   83.38       87.51       220.2       110.1          UL-RL  5.8773E+04  -14.20       56.92
1.000       1.000       144.4       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   29.54      2.3065E-04   85.79       88.57       222.7       111.4          UL-RL  5.8773E+04  -14.40       59.11
1.000       1.000       147.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   30.19      2.2575E-04   88.20       89.63       225.3       112.7          UL-RL  5.8773E+04  -14.60       61.30
1.000       1.000       150.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   30.84      2.2089E-04   90.61       90.68       227.9       114.0          UL-RL  5.8773E+04  -14.80       63.49
1.000       1.000       154.2       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   31.48      2.1605E-04   93.02       91.74       230.4       115.2          UL-RL  5.8773E+04  -15.00       65.68
1.000       1.000       157.4       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   32.13      2.1122E-04   95.43       92.78       233.0       116.5          UL-RL  5.8773E+04  -15.20       67.87
1.000       1.000       160.7       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   32.78      2.0640E-04   97.84       93.83       235.6       117.8          UL-RL  5.8773E+04  -15.40       70.06
1.000       1.000       163.9       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   33.42      2.0158E-04   100.3       94.87       238.1       119.1          UL-RL  5.8773E+04  -15.60       72.25
1.000       1.000       167.1       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   17.03      1.9677E-04   102.7       95.91       240.7       120.4          UL-RL  5.8773E+04  -15.80       74.44
1.000       1.000       170.3       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
```

New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_9503   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   71
C U R R E N T   T I M E   I S   6.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

EL	TA	TB	MA	MB
1	2.63640E-10	-2.63640E-10	2.21334E-11	-1.41682E-11
2	1.41824E-10	-1.41824E-10	5.64313E-11	2.07763E-11
3	-2.57728E-10	2.57728E-10	-2.51887E-11	-1.35870E-10
4	-4.78508E-10	4.78508E-10	7.23721E-11	-2.29058E-10
5	-7.73070E-12	7.73070E-12	1.97421E-10	-1.66089E-10
6	4.94538E-11	-4.94538E-11	1.95669E-10	-1.65500E-10
7	5.52746E-10	-5.52746E-10	2.36852E-10	-5.42562E-11
8	0.26878	-0.26878	4.91402E-11	5.37566E-02
9	0.26878	-0.26878	-5.37566E-02	0.10751
10	0.26878	-0.26878	-0.10751	0.16127
11	0.26878	-0.26878	-0.16127	0.21503
12	0.26878	-0.26878	-0.21503	0.26878
13	0.26878	-0.26878	-0.26878	0.32254
14	0.26878	-0.26878	-0.32254	0.37630
15	0.26878	-0.26878	-0.37630	0.43005
16	0.26878	-0.26878	-0.43005	0.48381
17	0.26878	-0.26878	-0.48381	0.53757
18	0.26878	-0.26878	-0.53757	0.59132
19	0.26878	-0.26878	-0.59132	0.64508
20	0.26878	-0.26878	-0.64508	0.69884
21	0.26878	-0.26878	-0.69884	0.75259
22	0.26878	-0.26878	-0.75259	0.80635
23	0.26878	-0.26878	-0.80635	0.86010
24	0.26878	-0.26878	-0.86010	0.91386
25	0.33539	-0.33539	-0.91386	0.98094
26	1.0079	-1.0079	-0.98094	1.1825
27	2.2823	-2.2823	-1.1825	1.6390
28	4.1543	-4.1543	-1.6390	2.4698
29	6.6199	-6.6199	-2.4698	3.7938
30	9.6750	-9.6750	-3.7938	5.7288
31	13.355	-13.355	-5.7288	8.3999
32	17.897	-17.897	-8.3999	11.979
33	23.295	-23.295	-11.979	16.638
34	20.704	-20.704	-16.638	20.779
35	17.767	-17.767	-20.779	24.332
36	14.871	-14.871	-24.332	27.307
37	12.166	-12.166	-27.307	29.740
38	9.7346	-9.7346	-29.740	31.687
39	7.4658	-7.4658	-31.687	33.180
40	5.3609	-5.3609	-33.180	34.252
41	3.4186	-3.4186	-34.252	34.936
42	1.6365	-1.6365	-34.936	35.263
43	1.09519E-02	-1.09519E-02	-35.263	35.265
44	-1.4625	1.4625	-35.265	34.973
45	-2.7888	2.7888	-34.973	34.415
46	-3.9734	3.9734	-34.415	33.620
47	-5.0217	5.0217	-33.620	32.616
48	-5.9394	5.9394	-32.616	31.428
49	-6.7322	6.7322	-31.428	30.082
50	-7.4055	7.4055	-30.082	28.601
51	-7.9647	7.9647	-28.601	27.008
52	-8.4149	8.4149	-27.008	25.325
53	-8.7610	8.7610	-25.325	23.572
54	-9.0075	9.0075	-23.572	21.771
55	-9.1585	9.1585	-21.771	19.939
56	-9.2180	9.2180	-19.939	18.096
57	-9.1894	9.1894	-18.096	16.258
58	-9.0756	9.0756	-16.258	14.443
59	-8.8795	8.8795	-14.443	12.667
60	-8.6032	8.6032	-12.667	10.946
61	-8.2487	8.2487	-10.946	9.2964
62	-7.8176	7.8176	-9.2964	7.7329
63	-7.3110	7.3110	-7.7329	6.2706
64	-6.7299	6.7299	-6.2706	4.9247
65	-6.0747	6.0747	-4.9247	3.7097
66	-5.3457	5.3457	-3.7097	2.6406
67	-4.5430	4.5430	-2.6406	1.7320
68	-3.6663	3.6663	-1.7320	0.99875
69	-2.7154	2.7154	-0.99875	0.45566
70	-1.6897	1.6897	-0.45566	0.11772

```
   71-0.58858     0.58858    -0.11772    -1.78526E-11

ITER     0 RNORM = 71.06     RMNORM= 0.000
           RINORM=0.4676E+05 RIMNOR=0.4324E+05
           RENORM= 71.06     REMNOR=0.4452E-19 RATIO =0.3898E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 34.53     RMMAX = 35.27
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.4676E+05 RDR   =0.4324E+05
           RATIOT=0.3898E-01 RATIOR= 0.000
           MAX UN= 1.495     IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN=-.5706E-09 IEQ=   121 NODE     61 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 71.06     RMNORM= 0.000
           RINORM=0.4676E+05 RIMNOR=0.4324E+05
           RENORM= 84.27     REMNOR=0.3499E-18 RATIO =0.4245E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 34.53     RMMAX = 35.27
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.4676E+05 RDR   =0.4324E+05
           RATIOT=0.4245E-01 RATIOR= 0.000
           MAX UN= 5.813     IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           MIN UN=-.2627E-08 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 71.06     RMNORM= 0.000
           RINORM=0.4676E+05 RIMNOR=0.4324E+05
           RENORM= 1.347     REMNOR=0.2823E-18 RATIO =0.5367E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 34.53     RMMAX = 35.27
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.4676E+05 RDR   =0.4324E+05
           RATIOT=0.5367E-02 RATIOR= 0.000
           MAX UN= 1.098     IEQ=    63 NODE     32 DOF   1  Y-DISPL.F
           MIN UN=-.4211E-08 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 71.06     RMNORM= 0.000
           RINORM=0.4676E+05 RIMNOR=0.4324E+05
           RENORM=0.3326E-16 REMNOR=0.1320E-18 RATIO =0.2667E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.53     RMMAX = 35.27
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.4676E+05 RDR   =0.4324E+05
           RATIOT=0.2667E-10 RATIOR= 0.000
           MAX UN=0.1627E-08 IEQ=    37 NODE     19 DOF   1  Y-DISPL.F
           MIN UN=-.2797E-08 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

New Project
SOLUTION REACHED USING   4 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P   7   (AT TIME   7.000   ) SUBINCREMENT 00001/00001

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

	Y-DISPL.F 02	X-ROT. F 04
1	2.4142260E-03	-2.6875480E-04
2	2.3604752E-03	-2.6875174E-04
3	2.3067261E-03	-2.6873641E-04
4	2.2529823E-03	-2.6869655E-04
5	2.1992499E-03	-2.6861990E-04
6	2.1455376E-03	-2.6849420E-04
7	2.0918563E-03	-2.6830717E-04
8	2.0382196E-03	-2.6804657E-04
9	1.9846435E-03	-2.6769901E-04
10	1.9311467E-03	-2.6725114E-04
11	1.8777505E-03	-2.6669069E-04
12	1.8244787E-03	-2.6600540E-04
13	1.7713575E-03	-2.6518300E-04
14	1.7184155E-03	-2.6421123E-04
15	1.6667139E-03	-2.6307782E-04
16	1.6164827E-03	-2.6177052E-04
17	1.5650041E-03	-2.6027705E-04
18	1.5130450E-03	-2.5858516E-04
19	1.4614448E-03	-2.5668259E-04
20	1.4102467E-03	-2.5455705E-04
21	1.3594966E-03	-2.5219630E-04
22	1.3092430E-03	-2.4958807E-04
23	1.2595364E-03	-2.4672009E-04
24	1.2104305E-03	-2.4358012E-04
25	1.1619803E-03	-2.4015586E-04
26	1.1142443E-03	-2.3643507E-04
27	1.0672829E-03	-2.3240547E-04
28	1.0211592E-03	-2.2805481E-04
29	9.7593877E-04	-2.2337085E-04
30	9.3168918E-04	-2.1834128E-04
31	8.8848098E-04	-2.1295385E-04
32	8.4638698E-04	-2.0719613E-04
33	8.0548261E-04	-2.0105405E-04
34	7.6584635E-04	-1.9451123E-04
35	7.2755660E-04	-1.8760274E-04
36	6.9067788E-04	-1.8041430E-04
37	6.5525813E-04	-1.7302711E-04
38	6.2132918E-04	-1.6551575E-04
39	5.8890918E-04	-1.5794777E-04
40	5.5800328E-04	-1.5038387E-04
41	5.2860509E-04	-1.4287873E-04
42	5.0069803E-04	-1.3548126E-04
43	4.7425586E-04	-1.2823477E-04
44	4.4924402E-04	-1.2117729E-04
45	4.2562366E-04	-1.1434277E-04
46	4.0334436E-04	-1.0775895E-04
47	3.8235465E-04	-1.0145040E-04
48	3.6259737E-04	-9.5437270E-05
49	3.4401176E-04	-8.9735875E-05
50	3.2653414E-04	-8.4358936E-05
51	3.1009863E-04	-7.9315831E-05
52	2.9463780E-04	-7.4612813E-05
53	2.8008324E-04	-7.0253223E-05
54	2.6636615E-04	-6.6237688E-05
55	2.5341790E-04	-6.2564298E-05
56	2.4117042E-04	-5.9228779E-05
57	2.2955677E-04	-5.6224640E-05
58	2.1851150E-04	-5.3543318E-05
59	2.0797105E-04	-5.1174296E-05
60	1.9787418E-04	-4.9105215E-05
61	1.8816228E-04	-4.7321972E-05
62	1.7877973E-04	-4.5808800E-05
63	1.6967423E-04	-4.4548345E-05
64	1.6079711E-04	-4.3521716E-05
65	1.5210360E-04	-4.2708544E-05
66	1.4355318E-04	-4.2087012E-05
67	1.3510982E-04	-4.1633887E-05
68	1.2674227E-04	-4.1324542E-05
69	1.1842437E-04	-4.1132968E-05
70	1.1013526E-04	-4.1031781E-05
71	1.0185973E-04	-4.0992227E-05
72	9.3588032E-05	-4.0984178E-05

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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:36:15                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                                                        :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      7.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                             ZFO         QS
QSL         ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1 D   0.000     -2.4142E-03   0.000       0.000       32.00       16.00          ACTIVE   0.000      -1.600       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   2 D   0.000     -2.3605E-03   4.000       0.000       36.00       18.00          ACTIVE   0.000      -1.800       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   3 D   0.000     -2.3067E-03   8.000       0.000       40.00       20.00          ACTIVE   0.000      -2.000       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   4 D   0.000     -2.2530E-03   12.00       0.000       44.00       22.00          ACTIVE   0.000      -2.200       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   5 D   0.000     -2.1992E-03   16.00       0.000       48.00       24.00          ACTIVE   0.000      -2.400       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   6 D   0.000     -2.1455E-03   20.00       0.000       52.00       26.00          ACTIVE   0.000      -2.600       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   7 D   0.000     -2.0919E-03   24.00       0.000       56.00       28.00          ACTIVE   0.000      -2.800       0.000
1.000       1.000       0.000       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   8 D  0.2688     -2.0382E-03   28.00       1.344       60.00       30.00          ACTIVE   0.000      -3.000       0.000
1.000       1.000       1.344       0.000       0.000       8.000       8.000     Salt_167_12_L_0                   0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
   9 D   0.000     -1.9846E-03   32.00       0.000       64.00       32.00          ACTIVE   0.000      -3.200       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  10 D   0.000     -1.9311E-03   36.60       0.000       68.60       34.30          ACTIVE   0.000      -3.400       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  11 D   0.000     -1.8778E-03   41.20       0.000       73.20       36.60          ACTIVE   0.000      -3.600       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  12 D   0.000     -1.8245E-03   45.80       0.000       77.80       38.90          ACTIVE   0.000      -3.800       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  13 D   0.000     -1.7714E-03   50.40       0.000       82.40       41.20          ACTIVE   0.000      -4.000       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  14 D   0.000     -1.7184E-03   55.00       0.000       87.00       43.50          ACTIVE   0.000      -4.200       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  15 D   0.000     -1.6667E-03   59.60       0.000       90.70       45.35          ACTIVE   0.000      -4.400       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  16 D   0.000     -1.6165E-03   64.20       0.000       93.33       46.67          ACTIVE   0.000      -4.600       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  17 D   0.000     -1.5650E-03   68.80       0.000       95.96       47.98          ACTIVE   0.000      -4.800       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  18 D   0.000     -1.5130E-03   73.40       0.000       98.60       49.30          ACTIVE   0.000      -5.000       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  19 D   0.000     -1.4614E-03   78.00       0.000       101.2       50.61          ACTIVE   0.000      -5.200       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  20 D   0.000     -1.4102E-03   82.60       0.000       103.9       51.93          ACTIVE   0.000      -5.400       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  21 D   0.000     -1.3595E-03   87.20       0.000       106.5       53.25          ACTIVE   0.000      -5.600       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  22 D   0.000     -1.3092E-03   91.80       0.000       109.1       54.56          ACTIVE   0.000      -5.800       0.000
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1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  23 D   0.000     -1.2595E-03   96.40       0.000       111.8       55.88         ACTIVE   0.000      -6.000       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  24 D   0.000     -1.2104E-03   101.0       0.000       114.4       57.19         ACTIVE   0.000      -6.200       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  25 D   0.000     -1.1620E-03   105.6       0.000       117.0       58.51         ACTIVE   0.000      -6.400       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  26 D   0.000     -1.1142E-03   110.2       0.000       119.6       59.82         ACTIVE   0.000      -6.600       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  27 D   0.000     -1.0673E-03   114.8       0.000       122.3       61.14         ACTIVE   0.000      -6.800       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  28 D   0.000     -1.0212E-03   119.4       0.000       124.9       62.46         ACTIVE   0.000      -7.000       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  29 D   0.000     -9.7594E-04   124.0       0.000       127.5       63.77         ACTIVE   0.000      -7.200       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  30 D   0.000     -9.3169E-04   128.6       0.000       130.2       65.09         ACTIVE   0.000      -7.400       0.000
1.000       1.000       0.000       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  31 D   4.0733E-02 -8.8848E-04   133.0       0.000       133.0       66.40         ACTIVE   0.000      -7.600       0.2037
1.000       1.000       0.2037      0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  32 D   0.4029    -8.4639E-04   135.8       0.000       135.8       67.72         ACTIVE   0.000      -7.800       2.014
1.000       1.000       2.014       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  33 D   0.9727    -8.0548E-04   138.6       1.038       138.6       69.04         ACTIVE   0.000      -8.000       3.825
1.000       1.000       4.863       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  34 D   1.758     -7.6585E-04   141.4       3.157       141.4       70.35          UL-RL  7.4312E+04  -8.200       5.636
1.000       1.000       8.792       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   3.011     -7.2756E-04   144.2       7.611       144.2       71.67          UL-RL  7.4312E+04  -8.400       7.446
1.000       1.000       15.06       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   4.241     -6.9068E-04   146.9       11.95       146.9       72.98          UL-RL  7.4312E+04  -8.600       9.257
1.000       1.000       21.20       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   5.446     -6.5526E-04   149.7       16.16       149.7       74.30          UL-RL  7.4312E+04  -8.800       11.07
1.000       1.000       27.23       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   6.627     -6.2133E-04   152.5       20.26       152.5       75.62          UL-RL  7.4312E+04  -9.000       12.88
1.000       1.000       33.13       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   7.783     -5.8891E-04   155.3       24.23       155.3       76.93          UL-RL  7.4312E+04  -9.200       14.69
1.000       1.000       38.91       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   8.914     -5.5800E-04   158.1       28.07       158.1       78.25          UL-RL  7.4312E+04  -9.400       16.50
1.000       1.000       44.57       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   10.02     -5.2861E-04   160.9       31.80       160.9       79.56          UL-RL  7.4312E+04  -9.600       18.31
1.000       1.000       50.11       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   11.10     -5.0070E-04   163.7       35.40       163.7       80.88          UL-RL  7.4312E+04  -9.800       20.12
1.000       1.000       55.52       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   12.16     -4.7426E-04   166.5       38.88       166.5       82.20          UL-RL  7.4312E+04  -10.00       21.93
1.000       1.000       60.82       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   13.20     -4.4924E-04   169.3       42.26       169.3       83.51          UL-RL  7.4312E+04  -10.20       23.74
1.000       1.000       66.00       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   14.21     -4.2562E-04   172.0       45.52       172.0       84.83          UL-RL  7.4312E+04  -10.40       25.55
1.000       1.000       71.07       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   15.21     -4.0334E-04   174.8       48.67       174.8       86.14          UL-RL  7.4312E+04  -10.60       27.36
1.000       1.000       76.03       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   16.18     -3.8235E-04   177.6       51.72       177.6       87.46          UL-RL  7.4312E+04  -10.80       29.17
1.000       1.000       80.89       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   17.13     -3.6260E-04   180.4       54.67       180.4       88.77          UL-RL  7.4312E+04  -11.00       30.98
1.000       1.000       85.66       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   18.07     -3.4401E-04   183.2       57.53       183.2       90.09          UL-RL  7.4312E+04  -11.20       32.79
1.000       1.000       90.33       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   18.98     -3.2653E-04   186.0       60.31       186.0       91.41          UL-RL  7.4312E+04  -11.40       34.61
1.000       1.000       94.91       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   19.88     -3.1010E-04   188.8       63.00       188.8       92.72          UL-RL  7.4312E+04  -11.60       36.42
1.000       1.000       99.41       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   20.77     -2.9464E-04   191.6       65.61       191.6       94.04          UL-RL  7.4312E+04  -11.80       38.23
1.000       1.000       103.8       0.000       0.000       50.40       50.40     Sch_168_2687_L_0                0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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53 D	21.64	-2.8008E-04	194.4	68.16	194.4	95.35	UL-RL	7.4312E+04	-12.00	40.04	
1.000	1.000	108.2	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
54 D	22.50	-2.6637E-04	197.2	70.63	197.2	96.67	UL-RL	7.4312E+04	-12.20	41.85	
1.000	1.000	112.5	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
55 D	23.34	-2.5342E-04	199.9	73.05	199.9	97.99	UL-RL	7.4312E+04	-12.40	43.66	
1.000	1.000	116.7	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
56 D	24.18	-2.4117E-04	202.7	75.41	202.7	99.30	UL-RL	7.4312E+04	-12.60	45.47	
1.000	1.000	120.9	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
57 D	25.00	-2.2956E-04	205.5	77.73	205.5	100.6	UL-RL	7.4312E+04	-12.80	47.28	
1.000	1.000	125.0	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
58 D	25.82	-2.1851E-04	208.3	80.00	208.3	101.9	UL-RL	7.4312E+04	-13.00	49.09	
1.000	1.000	129.1	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
59 D	26.63	-2.0797E-04	211.1	82.23	211.1	103.2	UL-RL	7.4312E+04	-13.20	50.90	
1.000	1.000	133.1	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
60 D	27.43	-1.9787E-04	213.9	84.42	213.9	104.6	UL-RL	7.4312E+04	-13.40	52.71	
1.000	1.000	137.1	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
61 D	28.22	-1.8816E-04	216.7	86.59	216.7	105.9	UL-RL	7.4312E+04	-13.60	54.52	
1.000	1.000	141.1	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
62 D	29.01	-1.7878E-04	219.5	88.73	219.5	107.2	UL-RL	7.4312E+04	-13.80	56.33	
1.000	1.000	145.1	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
63 D	29.80	-1.6967E-04	222.3	90.85	222.3	108.5	UL-RL	7.4312E+04	-14.00	58.14	
1.000	1.000	149.0	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
64 D	30.58	-1.6080E-04	225.0	92.95	225.0	109.8	UL-RL	7.4312E+04	-14.20	59.95	
1.000	1.000	152.9	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
65 D	31.36	-1.5210E-04	227.8	95.03	227.8	111.1	UL-RL	7.4312E+04	-14.40	61.76	
1.000	1.000	156.8	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
66 D	32.14	-1.4355E-04	230.6	97.11	230.6	112.5	UL-RL	7.4312E+04	-14.60	63.58	
1.000	1.000	160.7	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
67 D	32.91	-1.3511E-04	233.4	99.18	233.4	113.8	UL-RL	7.4312E+04	-14.80	65.39	
1.000	1.000	164.6	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
68 D	33.69	-1.2674E-04	236.2	101.2	236.2	115.1	UL-RL	7.4312E+04	-15.00	67.20	
1.000	1.000	168.4	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
69 D	34.46	-1.1842E-04	239.0	103.3	239.0	116.4	UL-RL	7.4312E+04	-15.20	69.01	
1.000	1.000	172.3	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
70 D	35.23	-1.1014E-04	241.8	105.4	241.8	117.7	UL-RL	7.4312E+04	-15.40	70.82	
1.000	1.000	176.2	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
71 D	36.01	-1.0186E-04	244.6	107.4	244.6	119.0	UL-RL	7.4312E+04	-15.60	72.63	
1.000	1.000	180.0	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							
72 D	18.39	-9.3588E-05	247.4	109.5	247.4	120.4	UL-RL	7.4312E+04	-15.80	74.44	
1.000	1.000	183.9	0.000	0.000	50.40	50.40	Sch_168_2687_L_0			0.0000	
0.0000	0.0000	0.0000	0.0000	0.0000							

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                              ParatiePlus                                                              |
|                                    Exe Time :27 January 2022   16:36:15                                               |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                                                    :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   72
C U R R E N T   T I M E   I S      7.0000 SUBINCREMENT 00001/00001

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FAC-
TOR    UFACTOR       Peq          Su_a        Su_p        Cohe_a      Cohe_p     LAYER                            ZFO         QS
QSL          ZD          ZPL          Kz
 ------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------
   1     0.000         --          --          --          --          --         REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --         REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --         REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --         REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --         REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --         REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --         REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --         REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --         REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --         REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --         REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --         REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --         REMOVED     --       -4.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --         REMOVED     --       -4.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --         REMOVED     --       -4.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --         REMOVED     --       -4.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --         REMOVED     --       -4.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --         REMOVED     --       -5.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --         REMOVED     --       -5.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --         REMOVED     --       -5.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --         REMOVED     --       -5.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --         REMOVED     --       -5.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --         REMOVED     --       -6.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  24     0.000         --          --          --          --          --         REMOVED     --       -6.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  25     0.000         --          --          --          --          --         REMOVED     --       -6.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  26     0.000         --          --          --          --          --         REMOVED     --       -6.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  27     0.000         --          --          --          --          --         REMOVED     --       -6.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  28     0.000         --          --          --          --          --         REMOVED     --       -7.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  29     0.000         --          --          --          --          --         REMOVED     --       -7.200       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  30     0.000         --          --          --          --          --         REMOVED     --       -7.400       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  31     0.000         --          --          --          --          --         REMOVED     --       -7.600       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  32     0.000         --          --          --          --          --         REMOVED     --       -7.800       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
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  33     0.000         --          --          --          --          --          REMOVED     --        -8.000       0.000
1.000       1.000       0.000       0.000       0.000       0.000       0.000     not available
  34 D   12.39      7.6585E-04   2.300       61.97       143.1       71.81          UL-RL  5.8773E+04  -8.200       0.000
1.000       1.000       61.97       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  35 D   13.27      7.2756E-04   6.900       66.35       145.7       73.09          UL-RL  5.8773E+04  -8.400       0.000
1.000       1.000       66.35       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  36 D   13.77      6.9068E-04   11.50       68.83       148.3       74.37          UL-RL  5.8773E+04  -8.600       0.000
1.000       1.000       68.83       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  37 D   14.12      6.5526E-04   16.10       70.60       150.8       75.65          UL-RL  5.8773E+04  -8.800       0.000
1.000       1.000       70.60       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  38 D   14.40      6.2133E-04   20.70       72.02       153.4       76.92          UL-RL  5.8773E+04  -9.000       0.000
1.000       1.000       72.02       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  39 D   14.81      5.8891E-04   23.11       71.84       156.0       78.20          UL-RL  5.8773E+04  -9.200       2.189
1.000       1.000       74.03       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  40 D   15.22      5.5800E-04   25.52       71.70       158.5       79.48          UL-RL  5.8773E+04  -9.400       4.379
1.000       1.000       76.08       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  41 D   15.63      5.2861E-04   27.93       71.61       161.1       80.76          UL-RL  5.8773E+04  -9.600       6.568
1.000       1.000       78.17       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  42 D   16.06      5.0070E-04   30.34       71.57       163.7       82.03          UL-RL  5.8773E+04  -9.800       8.757
1.000       1.000       80.32       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  43 D   16.51      4.7426E-04   32.75       71.58       166.2       83.31          UL-RL  5.8773E+04  -10.00       10.95
1.000       1.000       82.53       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  44 D   16.96      4.4924E-04   35.16       71.66       168.8       84.59          UL-RL  5.8773E+04  -10.20       13.14
1.000       1.000       84.80       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  45 D   17.43      4.2562E-04   37.57       71.80       171.4       85.87          UL-RL  5.8773E+04  -10.40       15.33
1.000       1.000       87.13       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  46 D   17.90      4.0334E-04   39.98       72.00       173.9       87.14          UL-RL  5.8773E+04  -10.60       17.51
1.000       1.000       89.51       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  47 D   18.39      3.8235E-04   42.40       72.26       176.5       88.42          UL-RL  5.8773E+04  -10.80       19.70
1.000       1.000       91.96       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  48 D   18.89      3.6260E-04   44.81       72.57       179.1       89.70          UL-RL  5.8773E+04  -11.00       21.89
1.000       1.000       94.47       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  49 D   19.41      3.4401E-04   47.22       72.94       181.6       90.98          UL-RL  5.8773E+04  -11.20       24.08
1.000       1.000       97.03       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  50 D   19.93      3.2653E-04   49.63       73.37       184.2       92.25          UL-RL  5.8773E+04  -11.40       26.27
1.000       1.000       99.64       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  51 D   20.46      3.1010E-04   52.04       73.84       186.8       93.53          UL-RL  5.8773E+04  -11.60       28.46
1.000       1.000       102.3       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  52 D   21.00      2.9464E-04   54.45       74.37       189.4       94.81          UL-RL  5.8773E+04  -11.80       30.65
1.000       1.000       105.0       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  53 D   21.56      2.8008E-04   56.86       74.93       191.9       96.09          UL-RL  5.8773E+04  -12.00       32.84
1.000       1.000       107.8       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  54 D   22.11      2.6637E-04   59.27       75.54       194.5       97.36          UL-RL  5.8773E+04  -12.20       35.03
1.000       1.000       110.6       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  55 D   22.68      2.5342E-04   61.68       76.19       197.1       98.64          UL-RL  5.8773E+04  -12.40       37.22
1.000       1.000       113.4       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  56 D   23.26      2.4117E-04   64.09       76.87       199.6       99.92          UL-RL  5.8773E+04  -12.60       39.41
1.000       1.000       116.3       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  57 D   23.84      2.2956E-04   66.50       77.58       202.2       101.2          UL-RL  5.8773E+04  -12.80       41.60
1.000       1.000       119.2       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  58 D   24.42      2.1851E-04   68.91       78.31       204.8       102.5          UL-RL  5.8773E+04  -13.00       43.79
1.000       1.000       122.1       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  59 D   25.01      2.0797E-04   71.32       79.07       207.3       103.8          UL-RL  5.8773E+04  -13.20       45.98
1.000       1.000       125.1       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  60 D   25.60      1.9787E-04   73.73       79.86       209.9       105.0          UL-RL  5.8773E+04  -13.40       48.17
1.000       1.000       128.0       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  61 D   26.20      1.8816E-04   76.14       80.65       212.5       106.3          UL-RL  5.8773E+04  -13.60       50.36
1.000       1.000       131.0       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  62 D   26.80      1.7878E-04   78.55       81.46       215.0       107.6          UL-RL  5.8773E+04  -13.80       52.55
1.000       1.000       134.0       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  63 D   27.40      1.6967E-04   80.97       82.29       217.6       108.9          UL-RL  5.8773E+04  -14.00       54.73
1.000       1.000       137.0       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                  0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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  64 D   28.01      1.6080E-04   83.38       83.12       220.2       110.1          UL-RL  5.8773E+04  -14.20       56.92
1.000       1.000       140.0       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  65 D   28.61      1.5210E-04   85.79       83.96       222.7       111.4          UL-RL  5.8773E+04  -14.40       59.11
1.000       1.000       143.1       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  66 D   29.22      1.4355E-04   88.20       84.80       225.3       112.7          UL-RL  5.8773E+04  -14.60       61.30
1.000       1.000       146.1       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  67 D   29.83      1.3511E-04   90.61       85.64       227.9       114.0          UL-RL  5.8773E+04  -14.80       63.49
1.000       1.000       149.1       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  68 D   30.43      1.2674E-04   93.02       86.49       230.4       115.2          UL-RL  5.8773E+04  -15.00       65.68
1.000       1.000       152.2       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  69 D   31.04      1.1842E-04   95.43       87.33       233.0       116.5          UL-RL  5.8773E+04  -15.20       67.87
1.000       1.000       155.2       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  70 D   31.65      1.1014E-04   97.84       88.17       235.6       117.8          UL-RL  5.8773E+04  -15.40       70.06
1.000       1.000       158.2       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  71 D   32.25      1.0186E-04   100.3       89.01       238.1       119.1          UL-RL  5.8773E+04  -15.60       72.25
1.000       1.000       161.3       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
  72 D   16.43      9.3588E-05   102.7       89.85       240.7       120.4          UL-RL  5.8773E+04  -15.80       74.44
1.000       1.000       164.3       0.000       0.000       51.61       51.61     Sch_168_2687_L_0                 0.0000
0.0000      0.0000      0.0000      0.0000      0.0000
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_9503   :
ELEMENT TYPE   2 NO.OF ELEMENTS. IN THIS GROUP   71
C U R R E N T   T I M E   I S   7.0000 SUBINCREMENT 00001/00001

 WALL2D ELEMENT

EL	TA	TB	MA	MB
1	0.74729	-0.74729	-1.45583E-10	0.14946
2	2.2419	-2.2419	-0.14946	0.59783
3	3.7365	-3.7365	-0.59783	1.3451
4	5.2311	-5.2311	-1.3451	2.3913
5	6.7256	-6.7256	-2.3913	3.7365
6	8.2202	-8.2202	-3.7365	5.3805
7	9.7148	-9.7148	-5.3805	7.3235
8	11.478	-11.478	-7.3235	9.6191
9	12.973	-12.973	-9.6191	12.214
10	14.467	-14.467	-12.214	15.107
11	15.962	-15.962	-15.107	18.300
12	17.457	-17.457	-18.300	21.791
13	18.951	-18.951	-21.791	25.581
14	20.446	-20.446	-25.581	29.670
15	21.940	-21.940	-29.670	34.058
16	23.435	-23.435	-34.058	38.745
17	24.929	-24.929	-38.745	43.731
18	26.424	-26.424	-43.731	49.016
19	27.919	-27.919	-49.016	54.600
20	29.413	-29.413	-54.600	60.482
21	30.908	-30.908	-60.482	66.664
22	32.402	-32.402	-66.664	73.144
23	33.897	-33.897	-73.144	79.924
24	35.392	-35.392	-79.924	87.002
25	36.886	-36.886	-87.002	94.379
26	38.381	-38.381	-94.379	102.06
27	39.875	-39.875	-102.06	110.03
28	41.370	-41.370	-110.03	118.30
29	42.864	-42.864	-118.30	126.88
30	44.359	-44.359	-126.88	135.75
31	45.894	-45.894	-135.75	144.93
32	47.792	-47.792	-144.93	154.49
33	49.883	-49.883	-154.49	164.46
34	39.247	-39.247	-164.46	172.31
35	28.989	-28.989	-172.31	178.11
36	19.464	-19.464	-178.11	182.00
37	10.790	-10.790	-182.00	184.16
38	3.0131	-3.0131	-184.16	184.76
39	-4.0095	4.0095	-184.76	183.96
40	-10.311	10.311	-183.96	181.90
41	-15.924	15.924	-181.90	178.71
42	-20.885	20.885	-178.71	174.54
43	-25.228	25.228	-174.54	169.49
44	-28.988	28.988	-169.49	163.69
45	-32.200	32.200	-163.69	157.25
46	-34.896	34.896	-157.25	150.27
47	-37.110	37.110	-150.27	142.85
48	-38.872	38.872	-142.85	135.08
49	-40.211	40.211	-135.08	127.04
50	-41.157	41.157	-127.04	118.80
51	-41.736	41.736	-118.80	110.46
52	-41.972	41.972	-110.46	102.06
53	-41.888	41.888	-102.06	93.686
54	-41.506	41.506	-93.686	85.385
55	-40.846	40.846	-85.385	77.215
56	-39.925	39.925	-77.215	69.230
57	-38.758	38.758	-69.230	61.479
58	-37.361	37.361	-61.479	54.006
59	-35.746	35.746	-54.006	46.857
60	-33.924	33.924	-46.857	40.072
61	-31.904	31.904	-40.072	33.692
62	-29.693	29.693	-33.692	27.753
63	-27.300	27.300	-27.753	22.293
64	-24.728	24.728	-22.293	17.347
65	-21.982	21.982	-17.347	12.951
66	-19.065	19.065	-12.951	9.1379
67	-15.980	15.980	-9.1379	5.9420
68	-12.726	12.726	-5.9420	3.3968
69	-9.3051	9.3051	-3.3968	1.5358
70	-5.7172	5.7172	-1.5358	0.39237

```
71 -1.9618      1.9618    -0.39237     7.11590E-12
```

```
+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2022.0.0  FULL VERSION  *Build date:Sep 13, 2021*             |
|                                                                                                                       |
|                                                ParatiePlus                                                            |
|                                Exe Time :27 January 2022   16:36:15                                                   |
+-----------------------------------------------------------------------------------------------------------------------+


     F I N A L    I N C R E M E N T A L    A N A L Y S I S

                    S U M M A R Y

     STEP                                  NO. OF ITERATIONS

        1           CONVERGENCE :YES                       2
        2           CONVERGENCE :YES                       2
        3           CONVERGENCE :YES                       2
        4           CONVERGENCE :YES                       4
        5           CONVERGENCE :YES                       4
        6           CONVERGENCE :YES                       4
        7           CONVERGENCE :YES                       4


 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....    0.08 [sec]
DATABASE  CREATION CPU TIME.....    0.28 [sec]
```

APPENDICE B

REPORT DI CALCOLO VERIFICHE STRUTTURALI

DATI GENERALI SEZIONE GENERICA NON DISSIPATIVA IN C.A.

NOME SEZIONE: MU32_gabbiadoppia_Sez.510

Descrizione Sezione:	
Metodo di calcolo resistenza:	Resistenze in campo sostanzialmente elastico
Tipologia sezione:	Sezione generica di Trave di fondazione in combinazione sismica
Normativa di riferimento:	N.T.C.
Percorso sollecitazione:	A Sforzo Norm. costante
Condizioni Ambientali:	Moderat. aggressive
Tipo di sollecitazione:	Retta (asse neutro sempre parallelo all'asse X)
Riferimento Sforzi assegnati:	Assi x,y principali d'inerzia
Riferimento alla sismicità:	Comb. non sismiche

CARATTERISTICHE DI RESISTENZA DEI MATERIALI IMPIEGATI

CALCESTRUZZO -	Classe:	C32/40	
	Resis. compr. di progetto fcd:	18.8	MPa
	Resis. compr. ridotta fcd':	9.4	MPa
	Def.unit. max resistenza ec2:	0.0020	
	Def.unit. ultima ecu:	0.0035	
	Diagramma tensione-deformaz.:	Parabola-Rettangolo	
	Modulo Elastico Normale Ec:	33642.8	MPa
	Resis. media a trazione fctm:	3.10	MPa
	Coeff. Omogen. S.L.E.:	15.00	
	Sc limite S.L.E. comb. Rare:	19.9	MPa
	Sc limite S.L.E. comb. Frequenti:	19.9	MPa
	Ap.Fessure limite S.L.E. comb. Frequenti:	0.300	mm
	Sc limite S.L.E. comb. Q.Permanenti:	14.9	MPa
	Ap.Fess.limite S.L.E. comb. Q.Perm.:	0.200	mm
ACCIAIO -	Tipo:	B450C	
	Resist. caratt. snervam. fyk:	450.0	MPa
	Resist. caratt. rottura ftk:	450.0	MPa
	Resist. snerv. di progetto fyd:	391.3	MPa
	Resist. ultima di progetto ftd:	391.3	MPa
	Deform. ultima di progetto Epu:	0.068	
	Modulo Elastico Ef	2000000	daN/cm²
	Diagramma tensione-deformaz.:	Bilineare finito	
	Coeff. Aderenza istantaneo ß1*ß2 :	1.00	
	Coeff. Aderenza differito ß1*ß2 :	0.50	
	Sf limite S.L.E. Comb. Rare:	360.00	MPa

CARATTERISTICHE DOMINIO CALCESTRUZZO

Forma del Dominio:	Circolare
Classe Calcestruzzo:	C32/40

Raggio circ.:	75.0 cm
X centro circ.:	0.0 cm
Y centro circ.:	0.0 cm

DATI BARRE ISOLATE

N°Barra	X [cm]	Y [cm]	DiamØ[mm]
1	0.0	57.9	26
2	0.0	-57.9	26
3	57.9	0.0	26
4	-57.9	0.0	26
5	22.2	53.5	26
6	-22.2	53.5	26
7	-22.2	-53.5	26

8	22.2	-53.5	26
9	40.9	40.9	26
10	-40.9	40.9	26
11	-40.9	-40.9	26
12	40.9	-40.9	26
13	53.5	22.2	26
14	-53.5	22.2	26
15	-53.5	-22.2	26
16	53.5	-22.2	26

DATI GENERAZIONI CIRCOLARI DI BARRE

N°Gen.	Numero assegnato alla singola generazione circolare di barre
Xcentro	Ascissa [cm] del centro della circonf. lungo cui sono disposte le barre generate
Ycentro	Ordinata [cm] del centro della circonf. lungo cui sono disposte le barre genrate
Raggio	Raggio [cm] della circonferenza lungo cui sono disposte le barre generate
N°Barre	Numero di barre generate equidist. disposte lungo la circonferenza
Ø	Diametro [mm] della singola barra generata

N°Gen.	Xcentro	Ycentro	Raggio	N°Barre	Ø
1	0.0	0.0	62.9	16	26

ARMATURE A TAGLIO

Diametro staffe:	16	mm
Passo staffe:	20.0	cm
Staffe:		Una sola staffa chiusa perimetrale

CALCOLO DI RESISTENZA - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale [kN] applicato nel Baric. (+ se di compressione)
Mx	Momento flettente [daNm] intorno all'asse X di riferimento delle coordinate con verso positivo se tale da comprimere il lembo sup. della sez.
Vy	Componente del Taglio [kN] parallela all'asse Y di riferimento delle coordinate

N°Comb.	N	Mx	Vy
1	0.00	821.00	228.00
2	0.00	851.00	209.00

COMB. RARE (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale [kN] applicato nel Baricentro (+ se di compressione)
Mx	Momento flettente [kNm] intorno all'asse X di riferimento (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx	My
1	376.00	631.00	0.00

COMB. FREQUENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale [kN] applicato nel Baricentro (+ se di compressione)
Mx	Momento flettente [kNm] intorno all'asse X di riferimento (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx	My
1	376.00	631.00 (1379.58)	0.00 (0.00)

COMB. QUASI PERMANENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale [kN] applicato nel Baricentro (+ se di compressione)
Mx	Momento flettente [kNm] intorno all'asse X di riferimento (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx	My
1	376.00	631.00 (1379.58)	0.00 (0.00)

RISULTATI DEL CALCOLO

Sezione verificata per tutte le combinazioni assegnate

Copriferro netto minimo barre longitudinali:	10.8	cm
Interferro netto minimo barre longitudinali:	2.4	cm
Copriferro netto minimo staffe:	9.2	cm

VERIFICHE DI RESISTENZA IN PRESSO-TENSO FLESSIONE ALLO STATO LIMITE SOSTANZIALMENTE ELASTICO

Ver	S = combinazione verificata / N = combin. non verificata
N	Sforzo normale assegnato [kN] nel baricentro B sezione cls.(positivo se di compressione)
Mx	Componente del momento assegnato [kNm] riferito all'asse x princ. d'inerzia
N Res	Sforzo normale resistente [kN] nel baricentro B sezione cls.(positivo se di compress.)
Mx Res	Momento flettente resistente [kNm] riferito all'asse x princ. d'inerzia
Mis.Sic.	Misura sicurezza = rapporto vettoriale tra (N r,Mx Res,My Res) e (N,Mx,My) Verifica positiva se tale rapporto risulta >=1.000
As Tesa	Area armature trave [cm²] in zona tesa. [Tra parentesi l'area minima ex § 7.2.6 NTC

N°Comb	Ver	N	Mx	N Res	Mx Res	Mis.Sic.	As Tesa
1	S	0.00	821.00	0.00	2574.04	3.14	95.6(35.3)
2	S	0.00	851.00	0.00	2574.04	3.02	95.6(35.3)

METODO AGLI STATI LIMITE IN CAMPO SOSTANZIALMENTE ELASTICO - DEFORMAZIONI UNITARIE ALLO STATO LIMITE

ec max	Deform. unit. massima del calcestruzzo a compressione
x/d	Rapporto di duttilità [§ 4.1.2.1.2.1 NTC] deve essere < 0.45
Xc max	Ascissa in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
Yc max	Ordinata in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
es min	Deform. unit. minima nell'acciaio (negativa se di trazione)
Xs min	Ascissa in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
Ys min	Ordinata in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
es max	Deform. unit. massima nell'acciaio (positiva se di compress.)
Xs max	Ascissa in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)
Ys max	Ordinata in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)

N°Comb	ec max	x/d	Xc max	Yc max	es min	Xs min	Ys min	es max	Xs max	Ys max
1	0.00085	0.302	0.0	75.0	0.00060	0.0	62.9	-0.00196	0.0	-62.9
2	0.00085	0.302	0.0	75.0	0.00060	0.0	62.9	-0.00196	0.0	-62.9

POSIZIONE ASSE NEUTRO PER OGNI COMB. DI RESISTENZA

a, b, c	Coeff. a, b, c nell'eq. dell'asse neutro aX+bY+c=0 nel rif. X,Y,O gen.
x/d	Rapp. di duttilità (travi e solette)[§ 4.1.2.1.2.1 NTC]: deve essere < 0.45
C.Rid.	Coeff. di riduz. momenti per sola flessione in travi continue

N°Comb	a	b	c	x/d	C.Rid.
1	0.000000000	0.000020331	-0.000677679	0.302	0.818
2	0.000000000	0.000020331	-0.000677679	0.302	0.818

VERIFICHE A TAGLIO

Diam. Staffe: 16 mm
Passo staffe: 20.0 cm [Passo massimo di normativa = 33.0 cm]

Ver	S = comb. verificata a taglio / N = comb. non verificata
Ved	Taglio di progetto [kN] = Vy ortogonale all'asse neutro
Vcd	Taglio compressione resistente [kN] lato calcestruzzo [formula (4.1.28)NTC]
Vwd	Taglio resistente [kN] assorbito dalle staffe [(4.1.18) NTC]
Dmed	Altezza utile media pesata [cm] valutata lungo strisce ortog. all'asse neutro. La resistenza delle travi è calcolata assumendo il valore di 0.9 Dmed come coppia interna. I pesi della media sono le lunghezze delle strisce.(Sono esluse le strisce totalmente non compresse).
bw	Larghezza media resistente a taglio [cm] misurate parallel. all'asse neutro E' data dal rapporto tra l'area delle sopradette strisce resistenti e Dmed.
Ctg	Cotangente dell'angolo di inclinazione dei puntoni di calcestruzzo
Acw	Coefficiente maggiorativo della resistenza a taglio per compressione
Ast	Area staffe+legature strettam. necessarie a taglio per metro di pil.[cm²/m]
A.Eff	Area staffe+legature efficaci nella direzione del taglio di combinaz.[cm²/m] Tra parentesi è indicata la quota dell'area relativa alle sole legature. L'area della legatura è ridotta col fattore L/d_max con L=lungh.legat.proietta- ta sulla direz. del taglio e d_max= massima altezza utile nella direz.del taglio.

N°Comb	Ver	Ved	Vcd	Vwd	Dmed	bw	Ctg	Acw	Ast	A.Eff
1	S	228.00	4485.21	2097.72	118.5	129.7	2.500	1.000	2.2	20.1(0.0)
2	S	209.00	4485.21	2097.72	118.5	129.7	2.500	1.000	2.0	20.1(0.0)

COMBINAZIONI RARE IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

Ver	S = comb. verificata/ N = comb. non verificata
Sc max	Massima tensione (positiva se di compressione) nel calcestruzzo [MPa]
Xc max, Yc max	Ascissa, Ordinata [cm] del punto corrisp. a Sc max (sistema rif. X,Y,O)
Ss min	Minima tensione (negativa se di trazione) nell'acciaio [MPa]
Xs min, Ys min	Ascissa, Ordinata [cm] della barra corrisp. a Ss min (sistema rif. X,Y,O)
Ac eff.	Area di calcestruzzo [cm²] in zona tesa considerata aderente alle barre
As eff.	Area barre [cm²] in zona tesa considerate efficaci per l'apertura delle fessure

N°Comb	Ver	Sc max	Xc max	Yc max	Ss min	Xs min	Ys min	Ac eff.	As eff.
1	S	3.00	0.0	180.0	-72.2	0.0	-62.9	2821	42.5

COMBINAZIONI RARE IN ESERCIZIO - APERTURA FESSURE [§ 7.3.4 EC2]

	La sezione viene assunta sempre fessurata anche nel caso in cui la trazione minima del calcestruzzo sia inferiore a fctm
Ver.	Esito della verifica
e1	Massima deformazione unitaria di trazione nel calcestruzzo (trazione -) valutata in sezione fessurata
e2	Minima deformazione unitaria di trazione nel calcestruzzo (trazione -) valutata in sezione fessurata
k1	= 0.8 per barre ad aderenza migliorata [eq.(7.11)EC2]
kt	= 0.4 per comb. quasi permanenti / = 0.6 per comb.frequenti [cfr. eq.(7.9)EC2]
k2	= 0.5 per flessione; =(e1 + e2)/(2*e1) per trazione eccentrica [eq.(7.13)EC2]
k3	= 3.400 Coeff. in eq.(7.11) come da annessi nazionali
k4	= 0.425 Coeff. in eq.(7.11) come da annessi nazionali
Ø	Diametro [mm] equivalente delle barre tese comprese nell'area efficace Ac eff [eq.(7.11)EC2]
Cf	Copriferro [mm] netto calcolato con riferimento alla barra più tesa
e sm - e cm	Differenza tra le deformazioni medie di acciaio e calcestruzzo [(7.8)EC2 e (C4.1.7)NTC] Tra parentesi: valore minimo = 0.6 Smax / Es [(7.9)EC2 e (C4.1.8)NTC]
sr max	Massima distanza tra le fessure [mm]
wk	Apertura fessure in mm calcolata = sr max*(e_sm - e_cm) [(7.8)EC2 e (C4.1.7)NTC]. Valore limite tra parentesi
Mx fess.	Componente momento di prima fessurazione intorno all'asse X [kNm]
My fess.	Componente momento di prima fessurazione intorno all'asse Y [kNm]

Comb.	Ver	e1	e2	k2	Ø	Cf	e sm - e cm	sr max	wk	Mx fess	My fess
1	S	-0.00041	0.00000	0.500	26.0	108	0.00022 (0.00022)	661	0.143 (990.00)	1379.58	0.00

COMBINAZIONI FREQUENTI IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	Sc max	Xc max	Yc max	Ss min	Xs min	Ys min	Ac eff.	As eff.

1	S	3.00	0.0	180.0	-72.2	0.0	-62.9	2821	42.5

COMBINAZIONI FREQUENTI IN ESERCIZIO - APERTURA FESSURE [§ 7.3.4 EC2]

Comb.	Ver	e1	e2	k2	Ø	Cf	e sm - e cm	sr max	wk	Mx fess	My fess
1	S	-0.00041	0.00000	0.500	26.0	108	0.00022 (0.00022)	661	0.143 (0.30)	1379.58	0.00

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	Sc max	Xc max	Yc max	Ss min	Xs min	Ys min	Ac eff.	As eff.
1	S	3.00	0.0	180.0	-72.2	0.0	-62.9	2821	42.5

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - APERTURA FESSURE [§ 7.3.4 EC2]

Comb.	Ver	e1	e2	k2	Ø	Cf	e sm - e cm	sr max	wk	Mx fess	My fess
1	S	-0.00041	0.00000	0.500	26.0	108	0.00022 (0.00022)	661	0.143 (0.20)	1379.58	0.00

DATI GENERALI SEZIONE GENERICA NON DISSIPATIVA IN C.A.

NOME SEZIONE: MU32-Sez1(510)_gabbia singola

Descrizione Sezione:	
Metodo di calcolo resistenza:	Resistenze in campo sostanzialmente elastico
Tipologia sezione:	Sezione generica di Trave di fondazione in combinazione sismica
Normativa di riferimento:	N.T.C.
Percorso sollecitazione:	A Sforzo Norm. costante
Condizioni Ambientali:	Moderat. aggressive
Tipo di sollecitazione:	Retta (asse neutro sempre parallelo all'asse X)
Riferimento Sforzi assegnati:	Assi x,y principali d'inerzia
Riferimento alla sismicità:	Comb. non sismiche

CARATTERISTICHE DI RESISTENZA DEI MATERIALI IMPIEGATI

CALCESTRUZZO -	Classe:	C32/40	
	Resis. compr. di progetto fcd:	18.1	MPa
	Resis. compr. ridotta fcd':	9.1	MPa
	Def.unit. max resistenza ec2:	0.0020	
	Def.unit. ultima ecu:	0.0035	
	Diagramma tensione-deformaz.:	Parabola-Rettangolo	
	Modulo Elastico Normale Ec:	33334.5	MPa
	Resis. media a trazione fctm:	3.02	MPa
	Coeff. Omogen. S.L.E.:	15.00	
	Sc limite S.L.E. comb. Rare:	19.2	MPa
	Sc limite S.L.E. comb. Frequenti:	19.2	MPa
	Ap.Fessure limite S.L.E. comb. Frequenti:	0.300	mm
	Sc limite S.L.E. comb. Q.Permanenti:	14.4	MPa
	Ap.Fess.limite S.L.E. comb. Q.Perm.:	0.200	mm
ACCIAIO -	Tipo:	B450C	
	Resist. caratt. snervam. fyk:	450.0	MPa
	Resist. caratt. rottura ftk:	450.0	MPa
	Resist. snerv. di progetto fyd:	391.3	MPa
	Resist. ultima di progetto ftd:	391.3	MPa
	Deform. ultima di progetto Epu:	0.068	
	Modulo Elastico Ef	2000000	daN/cm²
	Diagramma tensione-deformaz.:	Bilineare finito	
	Coeff. Aderenza istantaneo ß1*ß2 :	1.00	
	Coeff. Aderenza differito ß1*ß2 :	0.50	
	Sf limite S.L.E. Comb. Rare:	360.00	MPa

CARATTERISTICHE DOMINIO CALCESTRUZZO

Forma del Dominio:	Circolare
Classe Calcestruzzo:	C32/40

Raggio circ.:	75.0 cm
X centro circ.:	0.0 cm
Y centro circ.:	0.0 cm

DATI GENERAZIONI CIRCOLARI DI BARRE

N°Gen.	Numero assegnato alla singola generazione circolare di barre
Xcentro	Ascissa [cm] del centro della circonf. lungo cui sono disposte le barre generate
Ycentro	Ordinata [cm] del centro della circonf. lungo cui sono disposte le barre genrate
Raggio	Raggio [cm] della circonferenza lungo cui sono disposte le barre generate
N°Barre	Numero di barre generate equidist. disposte lungo la circonferenza
Ø	Diametro [mm] della singola barra generata

N°Gen.	Xcentro	Ycentro	Raggio	N°Barre	Ø

1	0.0	0.0	63.1	16	26

ARMATURE A TAGLIO

Diametro staffe:	16	mm
Passo staffe:	20.0	cm
Staffe:		Una sola staffa chiusa perimetrale

CALCOLO DI RESISTENZA - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [kN] applicato nel Baric. (+ se di compressione)
Mx — Momento flettente [daNm] intorno all'asse X di riferimento delle coordinate con verso positivo se tale da comprimere il lembo sup. della sez.
Vy — Componente del Taglio [kN] parallela all'asse Y di riferimento delle coordinate

N°Comb.	N	Mx	Vy
1	0.00	228.00	230.00
2	0.00	175.00	177.00

COMB. RARE (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [kN] applicato nel Baricentro (+ se di compressione)
Mx — Momento flettente [kNm] intorno all'asse X di riferimento (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx	My
1	0.00	175.00	0.00

COMB. FREQUENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [kN] applicato nel Baricentro (+ se di compressione)
Mx — Momento flettente [kNm] intorno all'asse X di riferimento (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx	My
1	0.00	175.00 (1102.79)	0.00 (0.00)

COMB. QUASI PERMANENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [kN] applicato nel Baricentro (+ se di compressione)
Mx — Momento flettente [kNm] intorno all'asse X di riferimento (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx	My
1	0.00	175.00 (1102.79)	0.00 (0.00)

RISULTATI DEL CALCOLO

Sezione verificata per tutte le combinazioni assegnate

Copriferro netto minimo barre longitudinali:	10.6	cm
Interferro netto minimo barre longitudinali:	22.0	cm
Copriferro netto minimo staffe:	9.0	cm

VERIFICHE DI RESISTENZA IN PRESSO-TENSO FLESSIONE ALLO STATO LIMITE SOSTANZIALMENTE ELASTICO

Ver — S = combinazione verificata / N = combin. non verificata

N	Sforzo normale assegnato [kN] nel baricentro B sezione cls.(positivo se di compressione)
Mx	Componente del momento assegnato [kNm] riferito all'asse x princ. d'inerzia
N Res	Sforzo normale resistente [kN] nel baricentro B sezione cls.(positivo se di compress.)
Mx Res	Momento flettente resistente [kNm] riferito all'asse x princ. d'inerzia
Mis.Sic.	Misura sicurezza = rapporto vettoriale tra (N r,Mx Res,My Res) e (N,Mx,My)
	Verifica positiva se tale rapporto risulta >=1.000
As Tesa	Area armature trave [cm²] in zona tesa. [Tra parentesi l'area minima ex § 7.2.6 NTC

N°Comb	Ver	N	Mx	N Res	Mx Res	Mis.Sic.	As Tesa
1	S	0.00	228.00	0.00	1424.07	6.25	47.8(35.3)
2	S	0.00	175.00	0.00	1424.07	8.14	47.8(35.3)

METODO AGLI STATI LIMITE IN CAMPO SOSTANZIALMENTE ELASTICO - DEFORMAZIONI UNITARIE ALLO STATO LIMITE

ec max	Deform. unit. massima del calcestruzzo a compressione
x/d	Rapporto di duttilità [§ 4.1.2.1.2.1 NTC] deve essere < 0.45
Xc max	Ascissa in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
Yc max	Ordinata in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
es min	Deform. unit. minima nell'acciaio (negativa se di trazione)
Xs min	Ascissa in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
Ys min	Ordinata in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
es max	Deform. unit. massima nell'acciaio (positiva se di compress.)
Xs max	Ascissa in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)
Ys max	Ordinata in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)

N°Comb	ec max	x/d	Xc max	Yc max	es min	Xs min	Ys min	es max	Xs max	Ys max
1	0.00064	0.247	0.0	75.0	0.00042	0.0	63.1	-0.00196	0.0	-63.1
2	0.00064	0.247	0.0	75.0	0.00042	0.0	63.1	-0.00196	0.0	-63.1

POSIZIONE ASSE NEUTRO PER OGNI COMB. DI RESISTENZA

a, b, c	Coeff. a, b, c nell'eq. dell'asse neutro aX+bY+c=0 nel rif. X,Y,O gen.
x/d	Rapp. di duttilità (travi e solette)[§ 4.1.2.1.2.1 NTC]: deve essere < 0.45
C.Rid.	Coeff. di riduz. momenti per sola flessione in travi continue

N°Comb	a	b	c	x/d	C.Rid.
1	0.000000000	0.000018820	-0.000768982	0.247	0.749
2	0.000000000	0.000018820	-0.000768982	0.247	0.749

VERIFICHE A TAGLIO

Diam. Staffe: 16 mm
Passo staffe: 20.0 cm [Passo massimo di normativa = 33.0 cm]

Ver	S = comb. verificata a taglio / N = comb. non verificata
Ved	Taglio di progetto [kN] = Vy ortogonale all'asse neutro
Vcd	Taglio compressione resistente [kN] lato calcestruzzo [formula (4.1.28)NTC]
Vwd	Taglio resistente [kN] assorbito dalle staffe [(4.1.18) NTC]
Dmed	Altezza utile media pesata [cm] valutata lungo strisce ortog. all'asse neutro.
	La resistenza delle travi è calcolata assumendo il valore di 0.9 Dmed come coppia interna.
	I pesi della media sono le lunghezze delle strisce.(Sono esluse le strisce totalmente non compresse).
bw	Larghezza media resistente a taglio [cm] misurate parallel. all'asse neutro
	E' data dal rapporto tra l'area delle sopradette strisce resistenti e Dmed.
Ctg	Cotangente dell'angolo di inclinazione dei puntoni di calcestruzzo
Acw	Coefficiente maggiorativo della resistenza a taglio per compressione
Ast	Area staffe+legature strettam. necessarie a taglio per metro di pil.[cm²/m]
A.Eff	Area staffe+legature efficaci nella direzione del taglio di combinaz.[cm²/m]
	Tra parentesi è indicata la quota dell'area relativa alle sole legature.
	L'area della legatura è ridotta col fattore L/d_max con L=lungh.legat.proietta-
	ta sulla direz. del taglio e d_max= massima altezza utile nella direz.del taglio.

N°Comb	Ver	Ved	Vcd	Vwd	Dmed	bw	Ctg	Acw	Ast	A.Eff
1	S	230.00	4181.68	2137.30	120.7	123.2	2.500	1.000	2.2	20.1(0.0)

2	S	177.00	4181.68	2137.30	120.7	123.2	2.500	1.000	1.7	20.1(0.0)

COMBINAZIONI RARE IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

Ver	S = comb. verificata/ N = comb. non verificata
Sc max	Massima tensione (positiva se di compressione) nel calcestruzzo [MPa]
Xc max, Yc max	Ascissa, Ordinata [cm] del punto corrisp. a Sc max (sistema rif. X,Y,O)
Ss min	Minima tensione (negativa se di trazione) nell'acciaio [MPa]
Xs min, Ys min	Ascissa, Ordinata [cm] della barra corrisp. a Ss min (sistema rif. X,Y,O)
Ac eff.	Area di calcestruzzo [cm²] in zona tesa considerata aderente alle barre
As eff.	Area barre [cm²] in zona tesa considerate efficaci per l'apertura delle fessure

N°Comb	Ver	Sc max	Xc max	Yc max	Ss min	Xs min	Ys min	Ac eff.	As eff.
1	S	1.16	0.0	180.0	-48.8	0.0	-63.1	3160	26.5

COMBINAZIONI RARE IN ESERCIZIO - APERTURA FESSURE [§ 7.3.4 EC2]

La sezione viene assunta sempre fessurata anche nel caso in cui la trazione minima del calcestruzzo sia inferiore a fctm

Ver.	Esito della verifica
e1	Massima deformazione di trazione del calcestruzzo, valutata in sezione fessurata
e2	Minima deformazione di trazione del cls. (in sezione fessurata), valutata nella fibra più interna dell'area Ac eff
k1	= 0.8 per barre ad aderenza migliorata [eq.(7.11)EC2]
kt	= 0.4 per comb. quasi permanenti / = 0.6 per comb.frequenti [cfr. eq.(7.9)EC2]
k2	= (e1 + e2)/(2*e1) [eq.(7.13)EC2]
k3	= 3.400 Coeff. in eq.(7.11) come da annessi nazionali
k4	= 0.425 Coeff. in eq.(7.11) come da annessi nazionali
Ø	Diametro [mm] equivalente delle barre tese comprese nell'area efficace Ac eff [eq.(7.11)EC2]
Cf	Copriferro [mm] netto calcolato con riferimento alla barra più tesa
e sm - e cm	Differenza tra le deformazioni medie di acciaio e calcestruzzo [(7.8)EC2 e (C4.1.7)NTC] Tra parentesi: valore minimo = 0.6 Smax / Es [(7.9)EC2 e (C4.1.8)NTC]
sr max	Massima distanza tra le fessure [mm]
wk	Apertura fessure in mm calcolata = sr max*(e_sm - e_cm) [(7.8)EC2 e (C4.1.7)NTC]. Valore limite tra parentesi
Mx fess.	Componente momento di prima fessurazione intorno all'asse X [kNm]
My fess.	Componente momento di prima fessurazione intorno all'asse Y [kNm]

Comb.	Ver	e1	e2	k2	Ø	Cf	e sm - e cm	sr max	wk	Mx fess	My fess
1	S	-0.00027	0.00000	0.834	26.0	106	0.00015 (0.00015)	1238	0.181 (990.00)	1102.79	0.00

COMBINAZIONI FREQUENTI IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	Sc max	Xc max	Yc max	Ss min	Xs min	Ys min	Ac eff.	As eff.
1	S	1.16	0.0	180.0	-48.8	0.0	-63.1	3160	26.5

COMBINAZIONI FREQUENTI IN ESERCIZIO - APERTURA FESSURE [§ 7.3.4 EC2]

Comb.	Ver	e1	e2	k2	Ø	Cf	e sm - e cm	sr max	wk	Mx fess	My fess
1	S	-0.00027	0.00000	0.834	26.0	106	0.00015 (0.00015)	1238	0.181 (0.30)	1102.79	0.00

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	Sc max	Xc max	Yc max	Ss min	Xs min	Ys min	Ac eff.	As eff.
1	S	1.16	0.0	180.0	-48.8	0.0	-63.1	3160	26.5

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - APERTURA FESSURE [§ 7.3.4 EC2]

Comb.	Ver	e1	e2	k2	Ø	Cf	e sm - e cm	sr max	wk	Mx fess	My fess
1	S	-0.00027	0.00000	0.834	26.0	106	0.00015 (0.00015)	1238	0.181 (0.20)	1102.79	0.00

DATI GENERALI SEZIONE GENERICA NON DISSIPATIVA IN C.A.

NOME SEZIONE: Mu32_gabbiadoppia_Sez.511

Descrizione Sezione:	
Metodo di calcolo resistenza:	Resistenze in campo sostanzialmente elastico
Tipologia sezione:	Sezione generica di Trave di fondazione in combinazione sismica
Normativa di riferimento:	N.T.C.
Percorso sollecitazione:	A Sforzo Norm. costante
Condizioni Ambientali:	Moderat. aggressive
Tipo di sollecitazione:	Retta (asse neutro sempre parallelo all'asse X)
Riferimento Sforzi assegnati:	Assi x,y principali d'inerzia
Riferimento alla sismicità:	Comb. non sismiche

CARATTERISTICHE DI RESISTENZA DEI MATERIALI IMPIEGATI

CALCESTRUZZO -	Classe:	C32/40	
	Resis. compr. di progetto fcd:	18.8	MPa
	Resis. compr. ridotta fcd':	9.4	MPa
	Def.unit. max resistenza ec2:	0.0020	
	Def.unit. ultima ecu:	0.0035	
	Diagramma tensione-deformaz.:	Parabola-Rettangolo	
	Modulo Elastico Normale Ec:	33642.8	MPa
	Resis. media a trazione fctm:	3.10	MPa
	Coeff. Omogen. S.L.E.:	15.00	
	Sc limite S.L.E. comb. Rare:	19.9	MPa
	Sc limite S.L.E. comb. Frequenti:	19.9	MPa
	Ap.Fessure limite S.L.E. comb. Frequenti:	0.300	mm
	Sc limite S.L.E. comb. Q.Permanenti:	14.9	MPa
	Ap.Fess.limite S.L.E. comb. Q.Perm.:	0.200	mm
ACCIAIO -	Tipo:	B450C	
	Resist. caratt. snervam. fyk:	450.0	MPa
	Resist. caratt. rottura ftk:	450.0	MPa
	Resist. snerv. di progetto fyd:	391.3	MPa
	Resist. ultima di progetto ftd:	391.3	MPa
	Deform. ultima di progetto Epu:	0.068	
	Modulo Elastico Ef	2000000	daN/cm²
	Diagramma tensione-deformaz.:	Bilineare finito	
	Coeff. Aderenza istantaneo ß1*ß2 :	1.00	
	Coeff. Aderenza differito ß1*ß2 :	0.50	
	Sf limite S.L.E. Comb. Rare:	360.00	MPa

CARATTERISTICHE DOMINIO CALCESTRUZZO

Forma del Dominio:	Circolare
Classe Calcestruzzo:	C32/40

Raggio circ.:	75.0 cm
X centro circ.:	0.0 cm
Y centro circ.:	0.0 cm

DATI BARRE ISOLATE

N°Barra	X [cm]	Y [cm]	DiamØ[mm]
1	0.0	57.9	26
2	0.0	-57.9	26
3	57.9	0.0	26
4	-57.9	0.0	26
5	22.2	53.5	26
6	-22.2	53.5	26
7	-22.2	-53.5	26

8	22.2	-53.5	26
9	40.9	40.9	26
10	-40.9	40.9	26
11	-40.9	-40.9	26
12	40.9	-40.9	26
13	53.5	22.2	26
14	-53.5	22.2	26
15	-53.5	-22.2	26
16	53.5	-22.2	26

DATI GENERAZIONI CIRCOLARI DI BARRE

N°Gen.	Numero assegnato alla singola generazione circolare di barre
Xcentro	Ascissa [cm] del centro della circonf. lungo cui sono disposte le barre generate
Ycentro	Ordinata [cm] del centro della circonf. lungo cui sono disposte le barre genrate
Raggio	Raggio [cm] della circonferenza lungo cui sono disposte le barre generate
N°Barre	Numero di barre generate equidist. disposte lungo la circonferenza
Ø	Diametro [mm] della singola barra generata

N°Gen.	Xcentro	Ycentro	Raggio	N°Barre	Ø
1	0.0	0.0	62.9	16	26

ARMATURE A TAGLIO

Diametro staffe:	16	mm
Passo staffe:	20.0	cm
Staffe:		Una sola staffa chiusa perimetrale

CALCOLO DI RESISTENZA - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale [kN] applicato nel Baric. (+ se di compressione)
Mx	Momento flettente [daNm] intorno all'asse X di riferimento delle coordinate con verso positivo se tale da comprimere il lembo sup. della sez.
Vy	Componente del Taglio [kN] parallela all'asse Y di riferimento delle coordinate

N°Comb.	N	Mx	Vy
1	0.00	709.00	216.00
2	0.00	923.00	226.00

COMB. RARE (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale [kN] applicato nel Baricentro (+ se di compressione)
Mx	Momento flettente [kNm] intorno all'asse X di riferimento (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx	My
1	428.00	546.00	0.00

COMB. FREQUENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale [kN] applicato nel Baricentro (+ se di compressione)
Mx	Momento flettente [kNm] intorno all'asse X di riferimento (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx	My
1	428.00	546.00 (1439.12)	0.00 (0.00)

COMB. QUASI PERMANENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale [kN] applicato nel Baricentro (+ se di compressione)
Mx	Momento flettente [kNm] intorno all'asse X di riferimento (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx	My
1	426.00	546.00 (1437.92)	0.00 (0.00)

RISULTATI DEL CALCOLO

Sezione verificata per tutte le combinazioni assegnate

Copriferro netto minimo barre longitudinali:	10.8	cm
Interferro netto minimo barre longitudinali:	2.4	cm
Copriferro netto minimo staffe:	9.2	cm

VERIFICHE DI RESISTENZA IN PRESSO-TENSO FLESSIONE ALLO STATO LIMITE SOSTANZIALMENTE ELASTICO

Ver	S = combinazione verificata / N = combin. non verificata
N	Sforzo normale assegnato [kN] nel baricentro B sezione cls.(positivo se di compressione)
Mx	Componente del momento assegnato [kNm] riferito all'asse x princ. d'inerzia
N Res	Sforzo normale resistente [kN] nel baricentro B sezione cls.(positivo se di compress.)
Mx Res	Momento flettente resistente [kNm] riferito all'asse x princ. d'inerzia
Mis.Sic.	Misura sicurezza = rapporto vettoriale tra (N r,Mx Res,My Res) e (N,Mx,My) Verifica positiva se tale rapporto risulta >=1.000
As Tesa	Area armature trave [cm²] in zona tesa. [Tra parentesi l'area minima ex § 7.2.6 NTC

N°Comb	Ver	N	Mx	N Res	Mx Res	Mis.Sic.	As Tesa
1	S	0.00	709.00	0.00	2574.04	3.63	95.6(35.3)
2	S	0.00	923.00	0.00	2574.04	2.79	95.6(35.3)

METODO AGLI STATI LIMITE IN CAMPO SOSTANZIALMENTE ELASTICO - DEFORMAZIONI UNITARIE ALLO STATO LIMITE

ec max	Deform. unit. massima del calcestruzzo a compressione
x/d	Rapporto di duttilità [§ 4.1.2.1.2.1 NTC] deve essere < 0.45
Xc max	Ascissa in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
Yc max	Ordinata in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
es min	Deform. unit. minima nell'acciaio (negativa se di trazione)
Xs min	Ascissa in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
Ys min	Ordinata in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
es max	Deform. unit. massima nell'acciaio (positiva se di compress.)
Xs max	Ascissa in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)
Ys max	Ordinata in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)

N°Comb	ec max	x/d	Xc max	Yc max	es min	Xs min	Ys min	es max	Xs max	Ys max
1	0.00085	0.302	0.0	75.0	0.00060	0.0	62.9	-0.00196	0.0	-62.9
2	0.00085	0.302	0.0	75.0	0.00060	0.0	62.9	-0.00196	0.0	-62.9

POSIZIONE ASSE NEUTRO PER OGNI COMB. DI RESISTENZA

a, b, c	Coeff. a, b, c nell'eq. dell'asse neutro aX+bY+c=0 nel rif. X,Y,O gen.
x/d	Rapp. di duttilità (travi e solette)[§ 4.1.2.1.2.1 NTC]: deve essere < 0.45
C.Rid.	Coeff. di riduz. momenti per sola flessione in travi continue

N°Comb	a	b	c	x/d	C.Rid.
1	0.000000000	0.000020331	-0.000677679	0.302	0.818
2	0.000000000	0.000020331	-0.000677679	0.302	0.818

VERIFICHE A TAGLIO

Diam. Staffe: 16 mm
Passo staffe: 20.0 cm [Passo massimo di normativa = 33.0 cm]

Ver	S = comb. verificata a taglio / N = comb. non verificata
Ved	Taglio di progetto [kN] = Vy ortogonale all'asse neutro
Vcd	Taglio compressione resistente [kN] lato calcestruzzo [formula (4.1.28)NTC]
Vwd	Taglio resistente [kN] assorbito dalle staffe [(4.1.18) NTC]
Dmed	Altezza utile media pesata [cm] valutata lungo strisce ortog. all'asse neutro. La resistenza delle travi è calcolata assumendo il valore di 0.9 Dmed come coppia interna. I pesi della media sono le lunghezze delle strisce.(Sono esluse le strisce totalmente non compresse).
bw	Larghezza media resistente a taglio [cm] misurate parallel. all'asse neutro E' data dal rapporto tra l'area delle sopradette strisce resistenti e Dmed.
Ctg	Cotangente dell'angolo di inclinazione dei puntoni di calcestruzzo
Acw	Coefficiente maggiorativo della resistenza a taglio per compressione
Ast	Area staffe+legature strettam. necessarie a taglio per metro di pil.[cm²/m]
A.Eff	Area staffe+legature efficaci nella direzione del taglio di combinaz.[cm²/m] Tra parentesi è indicata la quota dell'area relativa alle sole legature. L'area della legatura è ridotta col fattore L/d_max con L=lungh.legat.proietta- ta sulla direz. del taglio e d_max= massima altezza utile nella direz.del taglio.

N°Comb	Ver	Ved	Vcd	Vwd	Dmed	bw	Ctg	Acw	Ast	A.Eff
1	S	216.00	4485.21	2097.72	118.5	129.7	2.500	1.000	2.1	20.1(0.0)
2	S	226.00	4485.21	2097.72	118.5	129.7	2.500	1.000	2.2	20.1(0.0)

COMBINAZIONI RARE IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

Ver	S = comb. verificata/ N = comb. non verificata
Sc max	Massima tensione (positiva se di compressione) nel calcestruzzo [MPa]
Xc max, Yc max	Ascissa, Ordinata [cm] del punto corrisp. a Sc max (sistema rif. X,Y,O)
Ss min	Minima tensione (negativa se di trazione) nell'acciaio [MPa]
Xs min, Ys min	Ascissa, Ordinata [cm] della barra corrisp. a Ss min (sistema rif. X,Y,O)
Ac eff.	Area di calcestruzzo [cm²] in zona tesa considerata aderente alle barre
As eff.	Area barre [cm²] in zona tesa considerate efficaci per l'apertura delle fessure

N°Comb	Ver	Sc max	Xc max	Yc max	Ss min	Xs min	Ys min	Ac eff.	As eff.
1	S	2.57	0.0	180.0	-55.9	0.0	-62.9	2698	42.5

COMBINAZIONI RARE IN ESERCIZIO - APERTURA FESSURE [§ 7.3.4 EC2]

	La sezione viene assunta sempre fessurata anche nel caso in cui la trazione minima del calcestruzzo sia inferiore a fctm
Ver.	Esito della verifica
e1	Massima deformazione unitaria di trazione nel calcestruzzo (trazione -) valutata in sezione fessurata
e2	Minima deformazione unitaria di trazione nel calcestruzzo (trazione -) valutata in sezione fessurata
k1	= 0.8 per barre ad aderenza migliorata [eq.(7.11)EC2]
kt	= 0.4 per comb. quasi permanenti / = 0.6 per comb.frequenti [cfr. eq.(7.9)EC2]
k2	= 0.5 per flessione; =(e1 + e2)/(2*e1) per trazione eccentrica [eq.(7.13)EC2]
k3	= 3.400 Coeff. in eq.(7.11) come da annessi nazionali
k4	= 0.425 Coeff. in eq.(7.11) come da annessi nazionali
Ø	Diametro [mm] equivalente delle barre tese comprese nell'area efficace Ac eff [eq.(7.11)EC2]
Cf	Copriferro [mm] netto calcolato con riferimento alla barra più tesa
e sm - e cm	Differenza tra le deformazioni medie di acciaio e calcestruzzo [(7.8)EC2 e (C4.1.7)NTC] Tra parentesi: valore minimo = 0.6 Smax / Es [(7.9)EC2 e (C4.1.8)NTC]
sr max	Massima distanza tra le fessure [mm]
wk	Apertura fessure in mm calcolata = sr max*(e_sm - e_cm) [(7.8)EC2 e (C4.1.7)NTC]. Valore limite tra parentesi
Mx fess.	Componente momento di prima fessurazione intorno all'asse X [kNm]
My fess.	Componente momento di prima fessurazione intorno all'asse Y [kNm]

Comb.	Ver	e1	e2	k2	Ø	Cf	e sm - e cm	sr max	wk	Mx fess	My fess
1	S	-0.00032	0.00000	0.500	26.0	108	0.00017 (0.00017)	648	0.109 (990.00)	1439.12	0.00

COMBINAZIONI FREQUENTI IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	Sc max	Xc max	Yc max	Ss min	Xs min	Ys min	Ac eff.	As eff.

1	S	2.57	0.0	180.0	-55.9	0.0	-62.9	2698	42.5

COMBINAZIONI FREQUENTI IN ESERCIZIO - APERTURA FESSURE [§ 7.3.4 EC2]

Comb.	Ver	e1	e2	k2	Ø	Cf	e sm - e cm	sr max	wk	Mx fess	My fess
1	S	-0.00032	0.00000	0.500	26.0	108	0.00017 (0.00017)	648	0.109 (0.30)	1439.12	0.00

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	Sc max	Xc max	Yc max	Ss min	Xs min	Ys min	Ac eff.	As eff.
1	S	2.57	0.0	180.0	-56.0	0.0	-62.9	2698	42.5

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - APERTURA FESSURE [§ 7.3.4 EC2]

Comb.	Ver	e1	e2	k2	Ø	Cf	e sm - e cm	sr max	wk	Mx fess	My fess
1	S	-0.00032	0.00000	0.500	26.0	108	0.00017 (0.00017)	648	0.109 (0.20)	1437.92	0.00

DATI GENERALI SEZIONE GENERICA NON DISSIPATIVA IN C.A.

NOME SEZIONE: MU32-Sez1(511)_gabbia singola

Descrizione Sezione:	
Metodo di calcolo resistenza:	Resistenze in campo sostanzialmente elastico
Tipologia sezione:	Sezione generica di Trave di fondazione in combinazione sismica
Normativa di riferimento:	N.T.C.
Percorso sollecitazione:	A Sforzo Norm. costante
Condizioni Ambientali:	Moderat. aggressive
Tipo di sollecitazione:	Retta (asse neutro sempre parallelo all'asse X)
Riferimento Sforzi assegnati:	Assi x,y principali d'inerzia
Riferimento alla sismicità:	Comb. non sismiche

CARATTERISTICHE DI RESISTENZA DEI MATERIALI IMPIEGATI

CALCESTRUZZO -	Classe:	C32/40	
	Resis. compr. di progetto fcd:	18.1	MPa
	Resis. compr. ridotta fcd':	9.1	MPa
	Def.unit. max resistenza ec2:	0.0020	
	Def.unit. ultima ecu:	0.0035	
	Diagramma tensione-deformaz.:	Parabola-Rettangolo	
	Modulo Elastico Normale Ec:	33334.5	MPa
	Resis. media a trazione fctm:	3.02	MPa
	Coeff. Omogen. S.L.E.:	15.00	
	Sc limite S.L.E. comb. Rare:	19.2	MPa
	Sc limite S.L.E. comb. Frequenti:	19.2	MPa
	Ap.Fessure limite S.L.E. comb. Frequenti:	0.300	mm
	Sc limite S.L.E. comb. Q.Permanenti:	14.4	MPa
	Ap.Fess.limite S.L.E. comb. Q.Perm.:	0.200	mm
ACCIAIO -	Tipo:	B450C	
	Resist. caratt. snervam. fyk:	450.0	MPa
	Resist. caratt. rottura ftk:	450.0	MPa
	Resist. snerv. di progetto fyd:	391.3	MPa
	Resist. ultima di progetto ftd:	391.3	MPa
	Deform. ultima di progetto Epu:	0.068	
	Modulo Elastico Ef	2000000	daN/cm²
	Diagramma tensione-deformaz.:	Bilineare finito	
	Coeff. Aderenza istantaneo ß1*ß2 :	1.00	
	Coeff. Aderenza differito ß1*ß2 :	0.50	
	Sf limite S.L.E. Comb. Rare:	360.00	MPa

CARATTERISTICHE DOMINIO CALCESTRUZZO

Forma del Dominio:	Circolare
Classe Calcestruzzo:	C32/40

Raggio circ.:	75.0 cm
X centro circ.:	0.0 cm
Y centro circ.:	0.0 cm

DATI GENERAZIONI CIRCOLARI DI BARRE

N°Gen.	Numero assegnato alla singola generazione circolare di barre
Xcentro	Ascissa [cm] del centro della circonf. lungo cui sono disposte le barre generate
Ycentro	Ordinata [cm] del centro della circonf. lungo cui sono disposte le barre genrate
Raggio	Raggio [cm] della circonferenza lungo cui sono disposte le barre generate
N°Barre	Numero di barre generate equidist. disposte lungo la circonferenza
Ø	Diametro [mm] della singola barra generata

N°Gen.	Xcentro	Ycentro	Raggio	N°Barre	Ø

1	0.0	0.0	63.1	16	26

ARMATURE A TAGLIO

Diametro staffe:	16	mm
Passo staffe:	20.0	cm
Staffe:		Una sola staffa chiusa perimetrale

CALCOLO DI RESISTENZA - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [kN] applicato nel Baric. (+ se di compressione)
Mx — Momento flettente [daNm] intorno all'asse X di riferimento delle coordinate con verso positivo se tale da comprimere il lembo sup. della sez.
Vy — Componente del Taglio [kN] parallela all'asse Y di riferimento delle coordinate

N°Comb.	N	Mx	Vy
1	0.00	192.00	216.00
2	0.00	393.00	247.00

COMB. RARE (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [kN] applicato nel Baricentro (+ se di compressione)
Mx — Momento flettente [kNm] intorno all'asse X di riferimento (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx	My
1	0.00	172.00	0.00

COMB. FREQUENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [kN] applicato nel Baricentro (+ se di compressione)
Mx — Momento flettente [kNm] intorno all'asse X di riferimento (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx	My
1	0.00	172.00 (1102.79)	0.00 (0.00)

COMB. QUASI PERMANENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [kN] applicato nel Baricentro (+ se di compressione)
Mx — Momento flettente [kNm] intorno all'asse X di riferimento (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx	My
1	0.00	172.00 (1102.79)	0.00 (0.00)

RISULTATI DEL CALCOLO

Sezione verificata per tutte le combinazioni assegnate

Copriferro netto minimo barre longitudinali:	10.6	cm
Interferro netto minimo barre longitudinali:	22.0	cm
Copriferro netto minimo staffe:	9.0	cm

VERIFICHE DI RESISTENZA IN PRESSO-TENSO FLESSIONE ALLO STATO LIMITE SOSTANZIALMENTE ELASTICO

Ver — S = combinazione verificata / N = combin. non verificata

N	Sforzo normale assegnato [kN] nel baricentro B sezione cls.(positivo se di compressione)
Mx	Componente del momento assegnato [kNm] riferito all'asse x princ. d'inerzia
N Res	Sforzo normale resistente [kN] nel baricentro B sezione cls.(positivo se di compress.)
Mx Res	Momento flettente resistente [kNm] riferito all'asse x princ. d'inerzia
Mis.Sic.	Misura sicurezza = rapporto vettoriale tra (N r,Mx Res,My Res) e (N,Mx,My)
	Verifica positiva se tale rapporto risulta >=1.000
As Tesa	Area armature trave [cm²] in zona tesa. [Tra parentesi l'area minima ex § 7.2.6 NTC

N°Comb	Ver	N	Mx	N Res	Mx Res	Mis.Sic.	As Tesa
1	S	0.00	192.00	0.00	1424.07	7.42	47.8(35.3)
2	S	0.00	393.00	0.00	1424.07	3.62	47.8(35.3)

METODO AGLI STATI LIMITE IN CAMPO SOSTANZIALMENTE ELASTICO - DEFORMAZIONI UNITARIE ALLO STATO LIMITE

ec max	Deform. unit. massima del calcestruzzo a compressione
x/d	Rapporto di duttilità [§ 4.1.2.1.2.1 NTC] deve essere < 0.45
Xc max	Ascissa in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
Yc max	Ordinata in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
es min	Deform. unit. minima nell'acciaio (negativa se di trazione)
Xs min	Ascissa in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
Ys min	Ordinata in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
es max	Deform. unit. massima nell'acciaio (positiva se di compress.)
Xs max	Ascissa in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)
Ys max	Ordinata in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)

N°Comb	ec max	x/d	Xc max	Yc max	es min	Xs min	Ys min	es max	Xs max	Ys max
1	0.00064	0.247	0.0	75.0	0.00042	0.0	63.1	-0.00196	0.0	-63.1
2	0.00064	0.247	0.0	75.0	0.00042	0.0	63.1	-0.00196	0.0	-63.1

POSIZIONE ASSE NEUTRO PER OGNI COMB. DI RESISTENZA

a, b, c	Coeff. a, b, c nell'eq. dell'asse neutro aX+bY+c=0 nel rif. X,Y,O gen.
x/d	Rapp. di duttilità (travi e solette)[§ 4.1.2.1.2.1 NTC]: deve essere < 0.45
C.Rid.	Coeff. di riduz. momenti per sola flessione in travi continue

N°Comb	a	b	c	x/d	C.Rid.
1	0.000000000	0.000018820	-0.000768982	0.247	0.749
2	0.000000000	0.000018820	-0.000768982	0.247	0.749

VERIFICHE A TAGLIO

Diam. Staffe: 16 mm
Passo staffe: 20.0 cm [Passo massimo di normativa = 33.0 cm]

Ver	S = comb. verificata a taglio / N = comb. non verificata
Ved	Taglio di progetto [kN] = Vy ortogonale all'asse neutro
Vcd	Taglio compressione resistente [kN] lato calcestruzzo [formula (4.1.28)NTC]
Vwd	Taglio resistente [kN] assorbito dalle staffe [(4.1.18) NTC]
Dmed	Altezza utile media pesata [cm] valutata lungo strisce ortog. all'asse neutro.
	La resistenza delle travi è calcolata assumendo il valore di 0.9 Dmed come coppia interna.
	I pesi della media sono le lunghezze delle strisce.(Sono esluse le strisce totalmente non compresse).
bw	Larghezza media resistente a taglio [cm] misurate parallel. all'asse neutro
	E' data dal rapporto tra l'area delle sopradette strisce resistenti e Dmed.
Ctg	Cotangente dell'angolo di inclinazione dei puntoni di calcestruzzo
Acw	Coefficiente maggiorativo della resistenza a taglio per compressione
Ast	Area staffe+legature strettam. necessarie a taglio per metro di pil.[cm²/m]
A.Eff	Area staffe+legature efficaci nella direzione del taglio di combinaz.[cm²/m]
	Tra parentesi è indicata la quota dell'area relativa alle sole legature.
	L'area della legatura è ridotta col fattore L/d_max con L=lungh.legat.proietta-
	ta sulla direz. del taglio e d_max= massima altezza utile nella direz.del taglio.

N°Comb	Ver	Ved	Vcd	Vwd	Dmed	bw	Ctg	Acw	Ast	A.Eff
1	S	216.00	4181.68	2137.30	120.7	123.2	2.500	1.000	2.0	20.1(0.0)

2	S	247.00	4181.68	2137.30	120.7	123.2	2.500	1.000	2.3	20.1(0.0)

COMBINAZIONI RARE IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

Ver	S = comb. verificata/ N = comb. non verificata
Sc max	Massima tensione (positiva se di compressione) nel calcestruzzo [MPa]
Xc max, Yc max	Ascissa, Ordinata [cm] del punto corrisp. a Sc max (sistema rif. X,Y,O)
Ss min	Minima tensione (negativa se di trazione) nell'acciaio [MPa]
Xs min, Ys min	Ascissa, Ordinata [cm] della barra corrisp. a Ss min (sistema rif. X,Y,O)
Ac eff.	Area di calcestruzzo [cm²] in zona tesa considerata aderente alle barre
As eff.	Area barre [cm²] in zona tesa considerate efficaci per l'apertura delle fessure

N°Comb	Ver	Sc max	Xc max	Yc max	Ss min	Xs min	Ys min	Ac eff.	As eff.
1	S	1.14	0.0	180.0	-47.9	0.0	-63.1	3160	26.5

COMBINAZIONI RARE IN ESERCIZIO - APERTURA FESSURE [§ 7.3.4 EC2]

La sezione viene assunta sempre fessurata anche nel caso in cui la trazione minima del calcestruzzo sia inferiore a fctm

Ver.	Esito della verifica
e1	Massima deformazione di trazione del calcestruzzo, valutata in sezione fessurata
e2	Minima deformazione di trazione del cls. (in sezione fessurata), valutata nella fibra più interna dell'area Ac eff
k1	= 0.8 per barre ad aderenza migliorata [eq.(7.11)EC2]
kt	= 0.4 per comb. quasi permanenti / = 0.6 per comb.frequenti [cfr. eq.(7.9)EC2]
k2	= (e1 + e2)/(2*e1) [eq.(7.13)EC2]
k3	= 3.400 Coeff. in eq.(7.11) come da annessi nazionali
k4	= 0.425 Coeff. in eq.(7.11) come da annessi nazionali
Ø	Diametro [mm] equivalente delle barre tese comprese nell'area efficace Ac eff [eq.(7.11)EC2]
Cf	Copriferro [mm] netto calcolato con riferimento alla barra più tesa
e sm - e cm	Differenza tra le deformazioni medie di acciaio e calcestruzzo [(7.8)EC2 e (C4.1.7)NTC] Tra parentesi: valore minimo = 0.6 Smax / Es [(7.9)EC2 e (C4.1.8)NTC]
sr max	Massima distanza tra le fessure [mm]
wk	Apertura fessure in mm calcolata = sr max*(e_sm - e_cm) [(7.8)EC2 e (C4.1.7)NTC]. Valore limite tra parentesi
Mx fess.	Componente momento di prima fessurazione intorno all'asse X [kNm]
My fess.	Componente momento di prima fessurazione intorno all'asse Y [kNm]

Comb.	Ver	e1	e2	k2	Ø	Cf	e sm - e cm	sr max	wk	Mx fess	My fess
1	S	-0.00027	0.00000	0.834	26.0	106	0.00014 (0.00014)	1238	0.178 (990.00)	1102.79	0.00

COMBINAZIONI FREQUENTI IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	Sc max	Xc max	Yc max	Ss min	Xs min	Ys min	Ac eff.	As eff.
1	S	1.14	0.0	180.0	-47.9	0.0	-63.1	3160	26.5

COMBINAZIONI FREQUENTI IN ESERCIZIO - APERTURA FESSURE [§ 7.3.4 EC2]

Comb.	Ver	e1	e2	k2	Ø	Cf	e sm - e cm	sr max	wk	Mx fess	My fess
1	S	-0.00027	0.00000	0.834	26.0	106	0.00014 (0.00014)	1238	0.178 (0.30)	1102.79	0.00

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	Sc max	Xc max	Yc max	Ss min	Xs min	Ys min	Ac eff.	As eff.
1	S	1.14	0.0	180.0	-47.9	0.0	-63.1	3160	26.5

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - APERTURA FESSURE [§ 7.3.4 EC2]

Comb.	Ver	e1	e2	k2	Ø	Cf	e sm - e cm	sr max	wk	Mx fess	My fess
1	S	-0.00027	0.00000	0.834	26.0	106	0.00014 (0.00014)	1238	0.178 (0.20)	1102.79	0.00

DATI GENERALI SEZIONE GENERICA NON DISSIPATIVA IN C.A.

NOME SEZIONE: MU32-Sez2(513)

Descrizione Sezione:	
Metodo di calcolo resistenza:	Resistenze in campo sostanzialmente elastico
Tipologia sezione:	Sezione generica di Trave di fondazione in combinazione sismica
Normativa di riferimento:	N.T.C.
Percorso sollecitazione:	A Sforzo Norm. costante
Condizioni Ambientali:	Moderat. aggressive
Tipo di sollecitazione:	Retta (asse neutro sempre parallelo all'asse X)
Riferimento Sforzi assegnati:	Assi x,y principali d'inerzia
Riferimento alla sismicità:	Comb. non sismiche

CARATTERISTICHE DI RESISTENZA DEI MATERIALI IMPIEGATI

CALCESTRUZZO -	Classe:	C32/40	
	Resis. compr. di progetto fcd:	18.1	MPa
	Resis. compr. ridotta fcd':	9.1	MPa
	Def.unit. max resistenza ec2:	0.0020	
	Def.unit. ultima ecu:	0.0035	
	Diagramma tensione-deformaz.:	Parabola-Rettangolo	
	Modulo Elastico Normale Ec:	33334.5	MPa
	Resis. media a trazione fctm:	3.02	MPa
	Coeff. Omogen. S.L.E.:	15.00	
	Sc limite S.L.E. comb. Rare:	19.2	MPa
	Sc limite S.L.E. comb. Frequenti:	19.2	MPa
	Ap.Fessure limite S.L.E. comb. Frequenti:	0.300	mm
	Sc limite S.L.E. comb. Q.Permanenti:	14.4	MPa
	Ap.Fess.limite S.L.E. comb. Q.Perm.:	0.200	mm
ACCIAIO -	Tipo:	B450C	
	Resist. caratt. snervam. fyk:	450.0	MPa
	Resist. caratt. rottura ftk:	450.0	MPa
	Resist. snerv. di progetto fyd:	391.3	MPa
	Resist. ultima di progetto ftd:	391.3	MPa
	Deform. ultima di progetto Epu:	0.068	
	Modulo Elastico Ef	2000000	daN/cm²
	Diagramma tensione-deformaz.:	Bilineare finito	
	Coeff. Aderenza istantaneo ß1*ß2 :	1.00	
	Coeff. Aderenza differito ß1*ß2 :	0.50	
	Sf limite S.L.E. Comb. Rare:	360.00	MPa

CARATTERISTICHE DOMINIO CALCESTRUZZO

Forma del Dominio:	Circolare
Classe Calcestruzzo:	C32/40

Raggio circ.:	75.0 cm
X centro circ.:	0.0 cm
Y centro circ.:	0.0 cm

DATI GENERAZIONI CIRCOLARI DI BARRE

N°Gen.	Numero assegnato alla singola generazione circolare di barre
Xcentro	Ascissa [cm] del centro della circonf. lungo cui sono disposte le barre generate
Ycentro	Ordinata [cm] del centro della circonf. lungo cui sono disposte le barre genrate
Raggio	Raggio [cm] della circonferenza lungo cui sono disposte le barre generate
N°Barre	Numero di barre generate equidist. disposte lungo la circonferenza
Ø	Diametro [mm] della singola barra generata

N°Gen.	Xcentro	Ycentro	Raggio	N°Barre	Ø

1	0.0	0.0	63.1	16	26

ARMATURE A TAGLIO

Diametro staffe:	16	mm
Passo staffe:	20.0	cm
Staffe:		Una sola staffa chiusa perimetrale

CALCOLO DI RESISTENZA - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [kN] applicato nel Baric. (+ se di compressione)
Mx — Momento flettente [daNm] intorno all'asse X di riferimento delle coordinate con verso positivo se tale da comprimere il lembo sup. della sez.
Vy — Componente del Taglio [kN] parallela all'asse Y di riferimento delle coordinate

N°Comb.	N	Mx	Vy
1	0.00	73.00	45.00
2	0.00	336.00	89.00

COMB. RARE (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [kN] applicato nel Baricentro (+ se di compressione)
Mx — Momento flettente [kNm] intorno all'asse X di riferimento (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx	My
1	0.00	56.00	0.00

COMB. FREQUENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [kN] applicato nel Baricentro (+ se di compressione)
Mx — Momento flettente [kNm] intorno all'asse X di riferimento (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx	My
1	0.00	56.00 (1102.79)	0.00 (0.00)

COMB. QUASI PERMANENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [kN] applicato nel Baricentro (+ se di compressione)
Mx — Momento flettente [kNm] intorno all'asse X di riferimento (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx	My
1	0.00	56.00 (1102.79)	0.00 (0.00)

RISULTATI DEL CALCOLO

Sezione verificata per tutte le combinazioni assegnate

Copriferro netto minimo barre longitudinali:	10.6	cm
Interferro netto minimo barre longitudinali:	22.0	cm
Copriferro netto minimo staffe:	9.0	cm

VERIFICHE DI RESISTENZA IN PRESSO-TENSO FLESSIONE ALLO STATO LIMITE SOSTANZIALMENTE ELASTICO

Ver — S = combinazione verificata / N = combin. non verificata

N	Sforzo normale assegnato [kN] nel baricentro B sezione cls.(positivo se di compressione)
Mx	Componente del momento assegnato [kNm] riferito all'asse x princ. d'inerzia
N Res	Sforzo normale resistente [kN] nel baricentro B sezione cls.(positivo se di compress.)
Mx Res	Momento flettente resistente [kNm] riferito all'asse x princ. d'inerzia
Mis.Sic.	Misura sicurezza = rapporto vettoriale tra (N r,Mx Res,My Res) e (N,Mx,My) Verifica positiva se tale rapporto risulta >=1.000
As Tesa	Area armature trave [cm²] in zona tesa. [Tra parentesi l'area minima ex § 7.2.6 NTC

N°Comb	Ver	N	Mx	N Res	Mx Res	Mis.Sic.	As Tesa
1	S	0.00	73.00	0.00	1424.07	19.51	47.8(35.3)
2	S	0.00	336.00	0.00	1424.07	4.24	47.8(35.3)

METODO AGLI STATI LIMITE IN CAMPO SOSTANZIALMENTE ELASTICO - DEFORMAZIONI UNITARIE ALLO STATO LIMITE

ec max	Deform. unit. massima del calcestruzzo a compressione
x/d	Rapporto di duttilità [§ 4.1.2.1.2.1 NTC] deve essere < 0.45
Xc max	Ascissa in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
Yc max	Ordinata in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
es min	Deform. unit. minima nell'acciaio (negativa se di trazione)
Xs min	Ascissa in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
Ys min	Ordinata in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
es max	Deform. unit. massima nell'acciaio (positiva se di compress.)
Xs max	Ascissa in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)
Ys max	Ordinata in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)

N°Comb	ec max	x/d	Xc max	Yc max	es min	Xs min	Ys min	es max	Xs max	Ys max
1	0.00064	0.247	0.0	75.0	0.00042	0.0	63.1	-0.00196	0.0	-63.1
2	0.00064	0.247	0.0	75.0	0.00042	0.0	63.1	-0.00196	0.0	-63.1

POSIZIONE ASSE NEUTRO PER OGNI COMB. DI RESISTENZA

a, b, c	Coeff. a, b, c nell'eq. dell'asse neutro aX+bY+c=0 nel rif. X,Y,O gen.
x/d	Rapp. di duttilità (travi e solette)[§ 4.1.2.1.2.1 NTC]: deve essere < 0.45
C.Rid.	Coeff. di riduz. momenti per sola flessione in travi continue

N°Comb	a	b	c	x/d	C.Rid.
1	0.000000000	0.000018820	-0.000768982	0.247	0.749
2	0.000000000	0.000018820	-0.000768982	0.247	0.749

VERIFICHE A TAGLIO

Diam. Staffe: 16 mm
Passo staffe: 20.0 cm [Passo massimo di normativa = 33.0 cm]

Ver	S = comb. verificata a taglio / N = comb. non verificata
Ved	Taglio di progetto [kN] = Vy ortogonale all'asse neutro
Vcd	Taglio compressione resistente [kN] lato calcestruzzo [formula (4.1.28)NTC]
Vwd	Taglio resistente [kN] assorbito dalle staffe [(4.1.18) NTC]
Dmed	Altezza utile media pesata [cm] valutata lungo strisce ortog. all'asse neutro. La resistenza delle travi è calcolata assumendo il valore di 0.9 Dmed come coppia interna. I pesi della media sono le lunghezze delle strisce.(Sono esluse le strisce totalmente non compresse).
bw	Larghezza media resistente a taglio [cm] misurate parallel. all'asse neutro E' data dal rapporto tra l'area delle sopradette strisce resistenti e Dmed.
Ctg	Cotangente dell'angolo di inclinazione dei puntoni di calcestruzzo
Acw	Coefficiente maggiorativo della resistenza a taglio per compressione
Ast	Area staffe+legature strettam. necessarie a taglio per metro di pil.[cm²/m]
A.Eff	Area staffe+legature efficaci nella direzione del taglio di combinaz.[cm²/m] Tra parentesi è indicata la quota dell'area relativa alle sole legature. L'area della legatura è ridotta col fattore L/d_max con L=lungh.legat.proietta- ta sulla direz. del taglio e d_max= massima altezza utile nella direz.del taglio.

N°Comb	Ver	Ved	Vcd	Vwd	Dmed	bw	Ctg	Acw	Ast	A.Eff
1	S	45.00	4181.68	2137.30	120.7	123.2	2.500	1.000	0.4	20.1(0.0)

2	S	89.00	4181.68	2137.30	120.7	123.2	2.500	1.000	0.8	20.1(0.0)

COMBINAZIONI RARE IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

Ver	S = comb. verificata/ N = comb. non verificata
Sc max	Massima tensione (positiva se di compressione) nel calcestruzzo [MPa]
Xc max, Yc max	Ascissa, Ordinata [cm] del punto corrisp. a Sc max (sistema rif. X,Y,O)
Ss min	Minima tensione (negativa se di trazione) nell'acciaio [MPa]
Xs min, Ys min	Ascissa, Ordinata [cm] della barra corrisp. a Ss min (sistema rif. X,Y,O)
Ac eff.	Area di calcestruzzo [cm²] in zona tesa considerata aderente alle barre
As eff.	Area barre [cm²] in zona tesa considerate efficaci per l'apertura delle fessure

N°Comb	Ver	Sc max	Xc max	Yc max	Ss min	Xs min	Ys min	Ac eff.	As eff.
1	S	0.37	0.0	180.0	-15.6	0.0	-63.1	3160	26.5

COMBINAZIONI RARE IN ESERCIZIO - APERTURA FESSURE [§ 7.3.4 EC2]

La sezione viene assunta sempre fessurata anche nel caso in cui la trazione minima del calcestruzzo sia inferiore a fctm

Ver.	Esito della verifica
e1	Massima deformazione di trazione del calcestruzzo, valutata in sezione fessurata
e2	Minima deformazione di trazione del cls. (in sezione fessurata), valutata nella fibra più interna dell'area Ac eff
k1	= 0.8 per barre ad aderenza migliorata [eq.(7.11)EC2]
kt	= 0.4 per comb. quasi permanenti / = 0.6 per comb.frequenti [cfr. eq.(7.9)EC2]
k2	= (e1 + e2)/(2*e1) [eq.(7.13)EC2]
k3	= 3.400 Coeff. in eq.(7.11) come da annessi nazionali
k4	= 0.425 Coeff. in eq.(7.11) come da annessi nazionali
Ø	Diametro [mm] equivalente delle barre tese comprese nell'area efficace Ac eff [eq.(7.11)EC2]
Cf	Copriferro [mm] netto calcolato con riferimento alla barra più tesa
e sm - e cm	Differenza tra le deformazioni medie di acciaio e calcestruzzo [(7.8)EC2 e (C4.1.7)NTC] Tra parentesi: valore minimo = 0.6 Smax / Es [(7.9)EC2 e (C4.1.8)NTC]
sr max	Massima distanza tra le fessure [mm]
wk	Apertura fessure in mm calcolata = sr max*(e_sm - e_cm) [(7.8)EC2 e (C4.1.7)NTC]. Valore limite tra parentesi
Mx fess.	Componente momento di prima fessurazione intorno all'asse X [kNm]
My fess.	Componente momento di prima fessurazione intorno all'asse Y [kNm]

Comb.	Ver	e1	e2	k2	Ø	Cf	e sm - e cm	sr max	wk	Mx fess	My fess
1	S	-0.00009	0.00000	0.834	26.0	106	0.00005 (0.00005)	1238	0.058 (990.00)	1102.79	0.00

COMBINAZIONI FREQUENTI IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	Sc max	Xc max	Yc max	Ss min	Xs min	Ys min	Ac eff.	As eff.
1	S	0.37	0.0	180.0	-15.6	0.0	-63.1	3160	26.5

COMBINAZIONI FREQUENTI IN ESERCIZIO - APERTURA FESSURE [§ 7.3.4 EC2]

Comb.	Ver	e1	e2	k2	Ø	Cf	e sm - e cm	sr max	wk	Mx fess	My fess
1	S	-0.00009	0.00000	0.834	26.0	106	0.00005 (0.00005)	1238	0.058 (0.30)	1102.79	0.00

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	Sc max	Xc max	Yc max	Ss min	Xs min	Ys min	Ac eff.	As eff.
1	S	0.37	0.0	180.0	-15.6	0.0	-63.1	3160	26.5

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - APERTURA FESSURE [§ 7.3.4 EC2]

Comb.	Ver	e1	e2	k2	Ø	Cf	e sm - e cm	sr max	wk	Mx fess	My fess
1	S	-0.00009	0.00000	0.834	26.0	106	0.00005 (0.00005)	1238	0.058 (0.20)	1102.79	0.00

DATI GENERALI SEZIONE DI TRAVE IN C.A.

NOME SEZIONE: CordoloMU32

Descrizione Sezione:	
Metodo di calcolo resistenza:	Resistenze in campo sostanzialmente elastico
Normativa di riferimento:	N.T.C.
Tipologia sezione:	Sezione predefinita di Trave
Forma della sezione:	Rettangolare
Percorso sollecitazione:	A rapporto M/N costante
Condizioni Ambientali:	Moderat. aggressive
Riferimento Sforzi assegnati:	Assi x,y principali d'inerzia
Riferimento alla sismicità:	Comb. non sismiche

CARATTERISTICHE DI RESISTENZA DEI MATERIALI IMPIEGATI

CALCESTRUZZO -	Classe:	C32/40	
	Resistenza compress. di progetto fcd:	18.10	MPa
	Resistenza compress. ridotta fcd':	9.05	MPa
	Deform. unitaria max resistenza ec2:	0.0020	
	Deformazione unitaria ultima ecu:	0.0035	
	Diagramma tensioni-deformaz.:	Parabola-Rettangolo	
	Modulo Elastico Normale Ec:	33334.5	MPa
	Resis. media a trazione fctm:	3.00	MPa
	Coeff.Omogen. S.L.E.:	15.00	
	Sc limite S.L.E. comb. Rare:	19.2	MPa
	Sc limite S.L.E. comb. Frequenti:	19.2	MPa
	Ap.Fessure limite S.L.E. comb. Frequenti:	0.300	mm
	Sc limite S.L.E. comb. Q.Permanenti:	14.4	MPa
	Ap.Fess.limite S.L.E. comb. Q.Perm.:	0.200	mm
ACCIAIO -	Tipo:	B450C	
	Resist. caratt. a snervamento fyk:	450.0	MPa
	Resist. caratt. a rottura ftk:	450.0	MPa
	Resist. a snerv. di progetto fyd:	391.3	MPa
	Resist. ultima di progetto ftd:	391.3	MPa
	Deform. ultima di progetto Epu:	0.068	
	Modulo Elastico Ef:	200000.0	MPa
	Diagramma tensioni-deformaz.:	Bilineare finito	
	Coeff. Aderenza istant. ß1*ß2:	1.00	
	Coeff. Aderenza differito ß1*ß2:	0.50	
	Comb.Rare - Sf Limite:	360.0	MPa

CARATTERISTICHE GEOMETRICHE ED ARMATURE SEZIONE

Base:	120.0	cm
Altezza:	180.0	cm
Barre inferiori:	7Ø26	(37.2 cm²)
Barre superiori:	7Ø26	(37.2 cm²)
Coprif.Inf.(dal baric. barre):	7.7	cm
Coprif.Sup.(dal baric. barre):	7.7	cm
Coprif.Lat. (dal baric.barre):	7.7	cm

CALCOLO DI RESISTENZA - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale [kN] applicato nel baricentro (posit. se di compress.)
Mx	Momento flettente [kNm] intorno all'asse x baric. della sezione con verso positivo se tale da comprimere il lembo sup. della sezione
VY	Taglio [kN] in direzione parallela all'asse Y del riferim. generale
MT	Momento torcente [kN m]

N°Comb.	N	Mx	Vy	MT
1	0.00	127.00	224.40	0.00

COMB. RARE (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale [kN] applicato nel baricentro (positivo se di compress.)
Mx	Coppia [kNm] applicata all'asse x baricentrico (tra parentesi il Momento di fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx
1	0.00	100.00

COMB. FREQUENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale [kN] applicato nel baricentro (positivo se di compress.)
Mx	Coppia [kNm] applicata all'asse x baricentrico (tra parentesi il Momento di fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx
1	0.00	100.00 (2195.73)

COMB. QUASI PERMANENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale [kN] applicato nel baricentro (positivo se di compress.)
Mx	Coppia [kNm] applicata all'asse x baricentrico (tra parentesi il Momento di fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx
1	0.00	100.00 (2195.73)

RISULTATI DEL CALCOLO

Sezione verificata per tutte le combinazioni assegnate

Copriferro netto minimo barre longitudinali:	6.4	cm
Interferro netto minimo barre longitudinali:	14.8	cm
Copriferro netto minimo staffe:	5.0	cm

VERIFICHE DI RESISTENZA IN PRESSO-TENSO FLESSIONE ALLO STATO LIMITE SOSTANZIALMENTE ELASTICO

Ver	S = combinazione verificata / N = combin. non verificata
N	Sforzo normale baricentrico assegnato [kN] (positivo se di compressione)
Mx	Momento flettente assegnato [kNm] riferito all'asse x baricentrico
N Ult	Sforzo normale alla massima resistenza [kN] nella sezione (positivo se di compress.)
Mx re	Momento resistente sostanzialmente elastico [kNm] riferito all'asse x baricentrico
Mis.Sic.	Misura sicurezza = rapporto vettoriale tra (N re,Mx re) e (N,Mx) Verifica positiva se tale rapporto risulta >=1.000
Yn	Ordinata [cm] dell'asse neutro alla massima resistenza nel sistema di rif. X,Y,O sez.
x/d	Rapp. di duttilità (travi e solette)[§ 4.1.2.1.2.1 NTC]: deve essere < 0.45
C.Rid.	Coeff. di riduz. momenti in travi continue [formula (4.1.1)NTC]
As Tesa	Area armature long. trave [cm²] in zona tesa. (tra parentesi l'area minima di normativa)

N°Comb	Ver	N	Mx	N re	Mx re	Mis.Sic.	Yn	x/d	C.Rid.	As Tesa
1	S	0.00	127.00			18.616	150.3	0.17	0.70	37.2 (35.8)

DEFORMAZIONI UNITARIE ALLO STATO LIMITE SOSTANZIALMENTE ELASTICO

ec max	Deform. unit. massima del calcestruzzo a compressione
Yc max	Ordinata in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
es min	Deform. unit. minima nell'acciaio (negativa se di trazione)
Ys min	Ordinata in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
es max	Deform. unit. massima nell'acciaio (positiva se di compressione)
Ys max	Ordinata in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)

N°Comb	ec max	Yc max	es min	Ys min	es max	Ys max
1	0.00041	180.0	0.00030	172.3	-0.00196	7.7

ARMATURE A TAGLIO E/O TORSIONE DI INVILUPPO PER LE COMBINAZIONI ASSEGNATE

Diametro staffe/legature:	14	mm	
Passo staffe:	15.0	cm	[Passo massimo di normativa = 17.1 cm]
N.Bracci staffe:	2		
Area staffe/m :	20.5	cm²/m	[Area Staffe Minima NTC = 18.0 cm²/m]

VERIFICHE A TAGLIO

Ver	S = comb.verificata a taglio-tors./ N = comb. non verificata
Ved	Taglio agente [kN] uguale al taglio Vy di comb. (sollecit. retta)
Vrd	Taglio resistente [kN] in assenza di staffe [formula (4.1.23)NTC]
Vcd	Taglio compressione resistente [kN] lato calcestruzzo [formula (4.1.28)NTC]
Vwd	Taglio trazione resistente [kN] assorbito dalle staffe [formula (4.1.27)NTC]
bw|d	Larghezza minima [cm] sezione misurata parallelam. all'asse neutro | Altezza utile sezione
Ctg	Cotangente dell'angolo di inclinazione dei puntoni di calcestruzzo
Acw	Coefficiente maggiorativo della resistenza a taglio per compressione
Ast	Area staffe/metro strettamente necessaria per taglio e torsione [cm²/m]

N°Comb	Ver	Ved	Vrd	Vcd	Vwd	bw| d	Ctg	Acw	ASt
1	S	224.40	635.49	5807.11	3113.60	120.0| 172.3	2.500	1.000	1.5

COMBINAZIONI RARE IN ESERCIZIO - VERIFICA MASSIME TENSIONI NORMALI

Ver	S = combinazione verificata / N = combin. non verificata
Sc max	Massima tensione di compress.(+) nel conglom. in fase fessurata ([MPa]
Yc max	Ordinata in cm della fibra corrisp. a Sc max (sistema rif. X,Y,O)
Sc min	Minima tensione di compress.(+) nel conglom. in fase fessurata ([MPa]
Yc min	Ordinata in cm della fibra corrisp. a Sc min (sistema rif. X,Y,O)
Ss min	Minima tensione di trazione (-) nell'acciaio [MPa]
Ys min	Ordinata in cm della barra corrisp. a Ss min (sistema rif. X,Y,O)
Dw Eff.	Spessore di calcestruzzo [cm] in zona tesa considerata aderente alle barre
Ac eff.	Area di congl. [cm²] in zona tesa aderente alle barre (verifica fess.)
As eff.	Area Barre tese di acciaio [cm²] ricadente nell'area efficace(verifica fess.)
D barre	Distanza in cm tra le barre tese efficaci. (D barre = 0 indica spaziatura superiore a 5(c+Ø/2) e nel calcolo di fess. si usa la (C4.1.11)NTC/(7.14)EC2)

N°Comb	Ver	Sc max	Yc max	Sc min	Yc min	Ss min	Ys min	Dw Eff.	Ac Eff.	As Eff.	D barre
1	S	0.26	180.0	0.00	147.3	-16.6	172.3	19.3	2310	37.2	17.4

COMBINAZIONI RARE IN ESERCIZIO - VERIFICA APERTURA FESSURE (NTC/EC2)

Ver	Esito verifica
e1	Minima deformazione unitaria (trazione: segno -) nel calcestruzzo in sez. fessurata
e2	Massima deformazione unitaria (compress.: segno +) nel calcestruzzo in sez. fessurata
e3	Deformazione unitaria al limite dell'area tesa efficace di calcestruzzo
K2	= (e1 + e3)/(2*e3) secondo la (7.13) dell'EC2 e la (C4.1.19)NTC
Kt	fattore di durata del carico di cui alla (7.9) dell'EC2
e sm	Deformazione media acciaio tra le fessure al netto di quella del cls. Tra parentesi il valore minimo = 0.6 Ss/Es
srm	Distanza massima in mm tra le fessure
wk	Apertura delle fessure in mm fornito dalla (7.8)EC2 e dalla (C4.1.7)NTC. Tra parentesi è indicato il valore limite.
M fess.	Momento di prima fessurazione [kNm]

N°Comb	Ver	e1	e2	e3	K2	Kt	e sm	srm	wk	M Fess.
1	S	-0.00009	0.00002	-0.00008	0.93	0.60	0.000050 (0.000050)	731	0.036 (990.00)	2195.73

COMBINAZIONI FREQUENTI IN ESERCIZIO - VERIFICA MASSIME TENSIONI NORMALI

N°Comb	Ver	Sc max	Yc max	Sc min	Yc min	Ss min	Ys min	Dw Eff.	Ac Eff.	As Eff.	D barre

1	S	0.26	180.0	0.00	147.3	-16.6	172.3	19.3	2310	37.2	17.4

COMBINAZIONI FREQUENTI IN ESERCIZIO - VERIFICA APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	e1	e2	e3	K2	Kt	e sm	srm	wk	M Fess.
1	S	-0.00009	0.00002	-0.00008	0.93	0.60	0.000050 (0.000050)	731	0.036 (0.30)	2195.73

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - VERIFICA MASSIME TENSIONI NORMALI

N°Comb	Ver	Sc max	Yc max	Sc min	Yc min	Ss min	Ys min	Dw Eff.	Ac Eff.	As Eff.	D barre
1	S	0.26	180.0	0.00	147.3	-16.6	172.3	19.3	2310	37.2	17.4

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - VERIFICA APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	e1	e2	e3	K2	Kt	e sm	srm	wk	M Fess.
1	S	-0.00009	0.00002	-0.00008	0.93	0.40	0.000050 (0.000050)	731	0.036 (0.20)	2195.73