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Indice Index	Data Date	Modificare Modification/Revision	Proiectant Designer	Aprobat Consultant Approved Consultant	Aprobat CFR Approved CFR



GUVERNUL ROMANIEI
ROMANIAN GOVERNMENT

PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ
EUROPEAN UNION FINANCED PROJECT



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Reabilitarea liniei de cale ferata Braşov - Simeria, parte componentă a coridorului IV Pan European, pentru circulația trenurilor cu viteză maximă de 160 km/h.
Secțiune 1 Brasov - Sighisoara

Proiect/Project
2004/RO/16/P/PA/003

Rehabilitation of the railway line Braşov - Simeria, component Part of the IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h.
Section 1 Brasov - Sighisoara

Faza / Phase:
P.Th. / T.D.

Denumire desen / Drawing Title :

HOMOROD TUNNEL - Homorod TUNELUL

Racos side - Technical report and calculation of provisional and definitive entrance zones structures
Zona inspre Racos - Raportul tehnic și calcularea intrarea provizoriei și definitive

Codificare / Codification System	Scara / Scale	LOT	Nr. / No -
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Anexa 1 Excavarea STR A1+M1+R1 L= 7.2 m

Anexa 2 Excavarea STR A1+M1+R1 L= 10.2 m

Anexa 3 Excavarea STR A1+M1+R1 L= 13.6 m

Anexa 4 SAP 2000 – Homorod static

Anexa 5 SAP 2000 – Homorod seismic

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

1 INTRODUCERE

În acest raport ne ocupăm cu problemele de proiectare referitoare la lucrările de construcții pe latura Racos a Tunelului Homorod de-a lungul aliniamentului de cale ferată Brașov – Simeria (Secțiunea 1 Brașov – Sighisoara) ce aparține rețelei de căi ferate ale Coridorului IV Pan European.

Tunelul este un tunel de cale ferată cu două sensuri, format din două conducte diferite situate la o distanță de aproximativ 30 m. Cele două zone de intrare diferite sunt formate pentru fiecare conductă din părți artificiale cu porți de intrare de forma unui „canal”.

Tunelul Ormenis este compus din următoarele lucrări de construcții (structuri permanente):

	LATURA RACOS			LATURA HOMOROD		
	CANAL	TUNEL ARTIFICIAL	TUNEL NATURAL		TUNEL ARTIFICIAL	CANAL
	pk	pk	de la pk	la pk	pk	pk
LINIA 1 HOMOROD	226.538,99	226.553,99	226.663,58	231.639,61	231.677,5	231.692,50
LINIA 2 HOMOROD	226.522,28	226.537,28	226.616,87	231.585,47	231.642,47	231.657,47

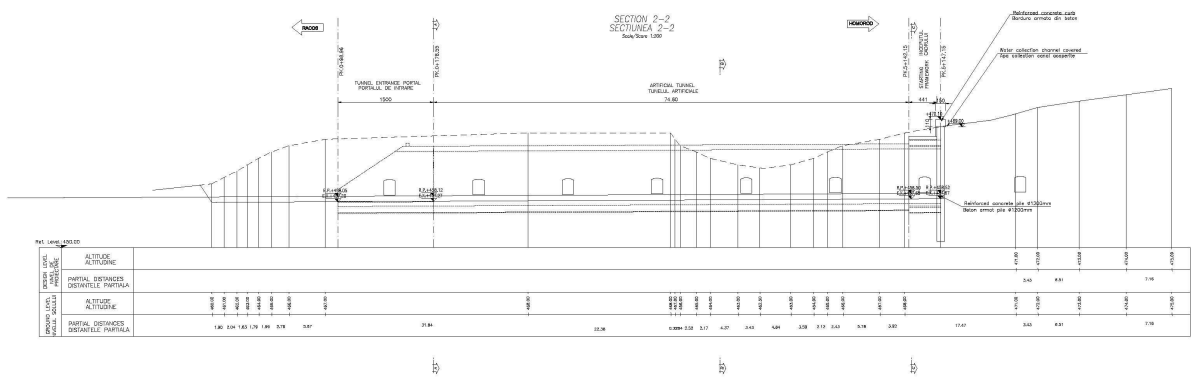
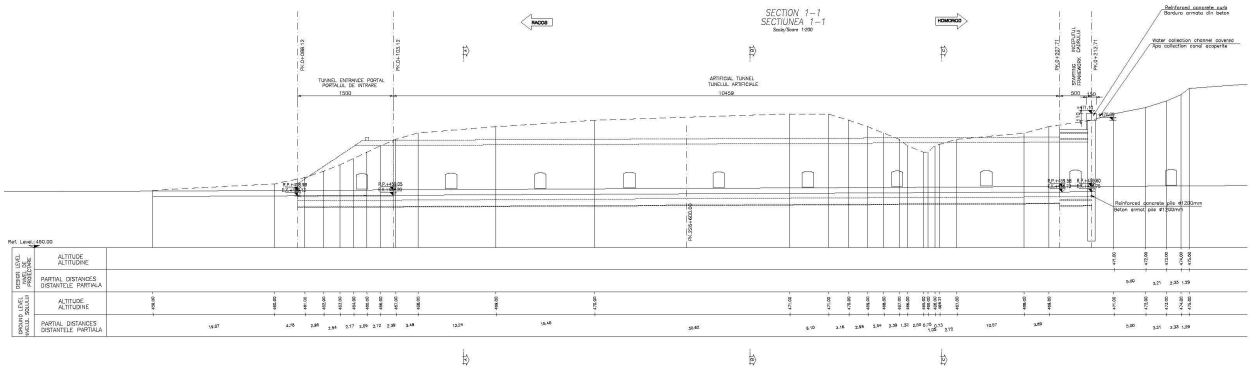
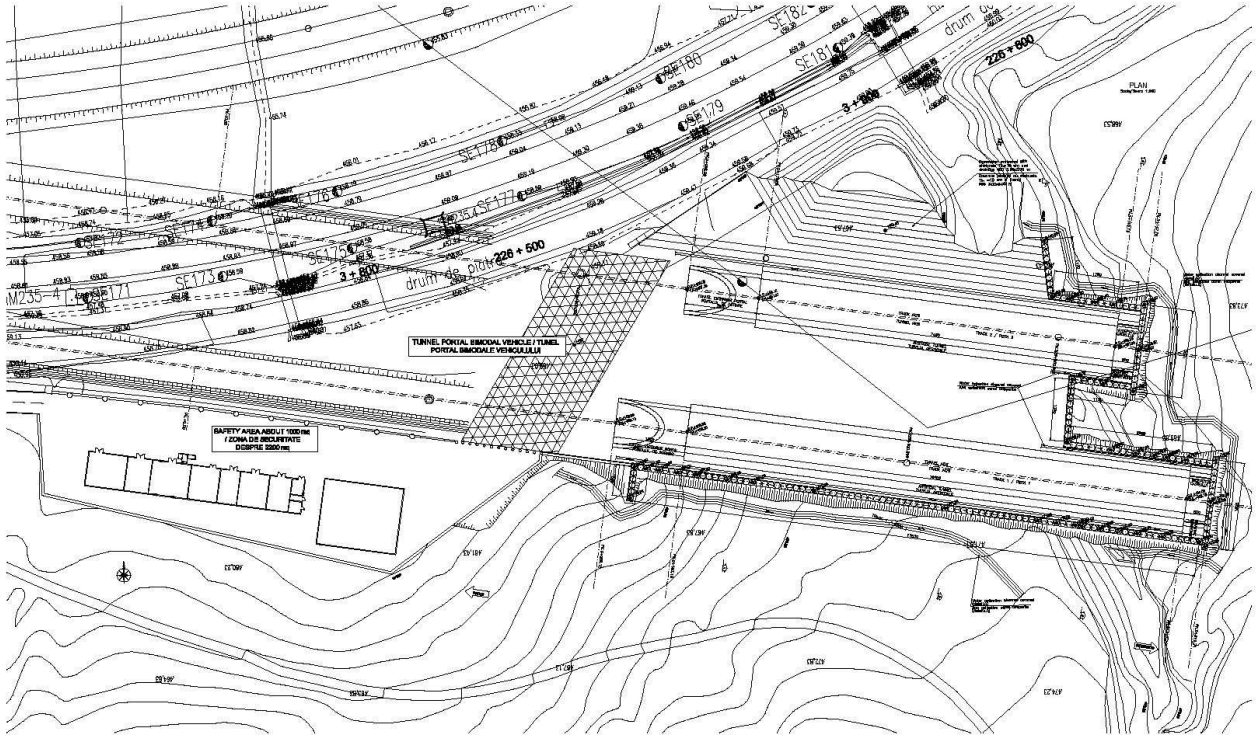
	LATURA RACOS			LATURA HOMOROD		
	CANAL	TUNEL ARTIFICIAL	TUNEL NATURAL		TUNEL ARTIFICIAL	CANAL
	L (m)	L (m)	L (m)		L (m)	L (m)
LINIA 1 HOMOROD	15,00	104,59	4.976,03		32.89	15,00
LINIA 2 HOMOROD	15,00	74,60	4.968,60		51.85	15,00

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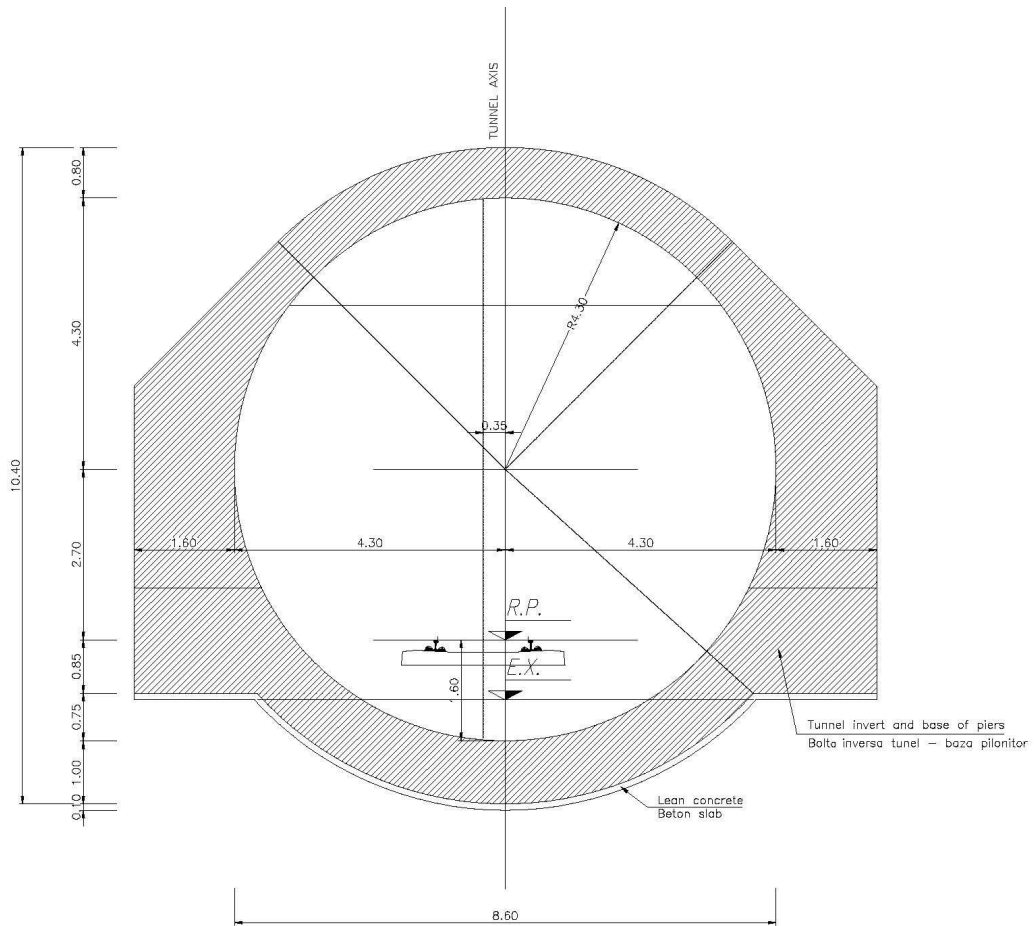
Pământul este excavat la adâncimea cerută cu ziduri de sprijin ancorate care suportă solul pe laturi. Zidurile de sprijin sunt constituite din piloni din beton armat în timp ce ancorele sunt pe 4 nivele (adâncime maximă) de extradrosuri de legătură cimentate.

În secțiunile următoare ale acestui document sunt definiți parametrii geotehnici ai proiectului iar apoi sunt prezentate analizele pentru a verifica gradul de adecvare a proiectării statice pentru structurile temporare și pentru structurile permanente.

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.



REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.



2 DOCUMENTE DE REFERINȚĂ

2.1 Referințe normative

- [A] EN 1990:2002 – Eurocod: Baza proiectării structurale.
- [B] EN 1991 – Eurocod 1: Acțiuni pe structuri.
- [C] EN 1992 – Eurocod 2: Proiectarea structurilor din beton.
- [D] EN 1993 – Eurocod 3: Proiectarea structurilor din oțel.
- [E] EN 1997-1 – Eurocod 7: Proiectul geotehnic – Partea 1: Reguli generale.
- [F] EN 1997-2 – Eurocod 7: Proiectul geotehnic – Partea 2: Investigarea și testarea terenului.
- [G] EN 1998 – Eurocod 8: Proiectarea structurilor pentru rezistența la cutremur.

2.2 Bibliografie

- [H] Bowles (1998) – Analiza și proiectarea fundațiilor, Ediția 4, McGraw-Hill, Inc.
- [J] Ce.A.S (2008) – Manualul de program Paratie.

3 CARACTERIZAREA GEOTEHNICĂ A ZONEI ȘI A PROIECTULUI

În această secțiune sunt descrise caracteristicile geologice și geotehnice ale zonei și parametrii geotehnici ai proiectului cu referiri la investigarea terenului. Datele prezente sunt rezumate în Profilul geotehnic - geomecanic al tunelului.

3.1 Clasificarea geologică

Reconstituirea geologică a zonei de intrare indică că tunelul traversează următoarele unități litologice:

- Soluri coezive cuaternare brune și gălbui (argile, argile prăfoase, argile nisipoase) urmate de un compus marnos gri format din argile marnoase, argile marnoase prăfoase, prafuri marnoase argiloase, nisipuri prăfoase cu aspect marnos și pietriș cu nisip din perioada Sarmațiană (Volhinian – Bessarabian). În compusul marnos, apar intercalări de piatră de nisip și conglomerate de câțiva centimetri.
- Alternarea spațiilor coezive (argile, argile grase, argile prăfoase, argile nisipoase) cu cele non-coezive (nisipuri cu sau fără pietriș, nisipuri prăfoase cu pietriș, nisipuri argiloase cu pietriș) și ușor coezive (nisipuri argiloase și nisipuri prăfoase) de culoare brună și gălbuie and din perioada Tortoniană (Badeniană).

3.2 Investigarea terenului

Investigarea terenului, efectuată de-a lungul aliniamentului Brasov- Sighisoara unde este inserat tunelul Homorod, a permis să se obțină informațiile geologice și geotehnice pentru proiectarea lucrărilor de construcții și de asemenea să se definească caracteristicile fizice și mecanice ale solurilor prin teste de laborator efectuate pe mai multe probe extrase. Investigațiile de teren de-a lungul aliniamentului au fost efectuate pentru a defini caracteristicile de deformabilitate și permeabilitate ale solurilor. Forajele au fost făcute cu

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

un diametru de foraj (100 mm) și executate la o adâncime maximă de 50 m.

Investigarea de teren, în cadrul zonei unde va fi excavată intrarea în tuneluri, constă din:

- RHA F1 28.5m adâncime
- RHA F2 28.0m adâncime
- RHA F3 28.0m adâncime
- RHA F3 BIS 49.5M adâncime

Pentru a avea o caracterizare mai detaliată a materialelor vor fi luate în considerare și rezultatele testelor de laborator făcute pe probe luate din investigații care nu se încadrează strict în zona de intrare a tunelului. Totuși acestea vor furniza informații utile pentru definirea parametrilor diferitelor formațiuni.

Control	Adâncime	Probe deranjate	Probe nederanjate	Teste SPT	Teste Menard	Test Lefranc	Nivel Piezometric
RHA F1	28.5	5	3	4			
RHA F2	28	6	2	2	1		
RHA F3	28	7	2	2	1	1	-5.4m
RHA F3 BIS	49.5	5	8	5		1	
RHA F4	25.5	4	4	3			-2.9m
RHA F5	30.2	5	4	2			
RHA F6	29.3	1	14	3			
RHA F6 BIS	39.4	17	-	13	1		

3.3 Nivelul apei

Unele găuri de foraj executate în zona de investigare au fost prevăzute și cu piezometru iar intervalul de variație a nivelului apei este de cca 2.9 ÷ 5.4 m. Prin urmare excavația va fi considerată în apa subterană.

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3.4 Caracterizarea parametrilor geotehnici

Aceste depozite constau în nămol și argilă cu depuneri de nisip la nivel local . În general, caracterizarea acestor depozite este rezultatul din analiza testărilor de laborator, a căror CU triaxial a fost efectuat pe probe nederanjate, și din testarea in situ. Rezultatele testării sunt sintetizate în tabele.

3.4.1 Parametrii fizici, de rezistență și de deformare

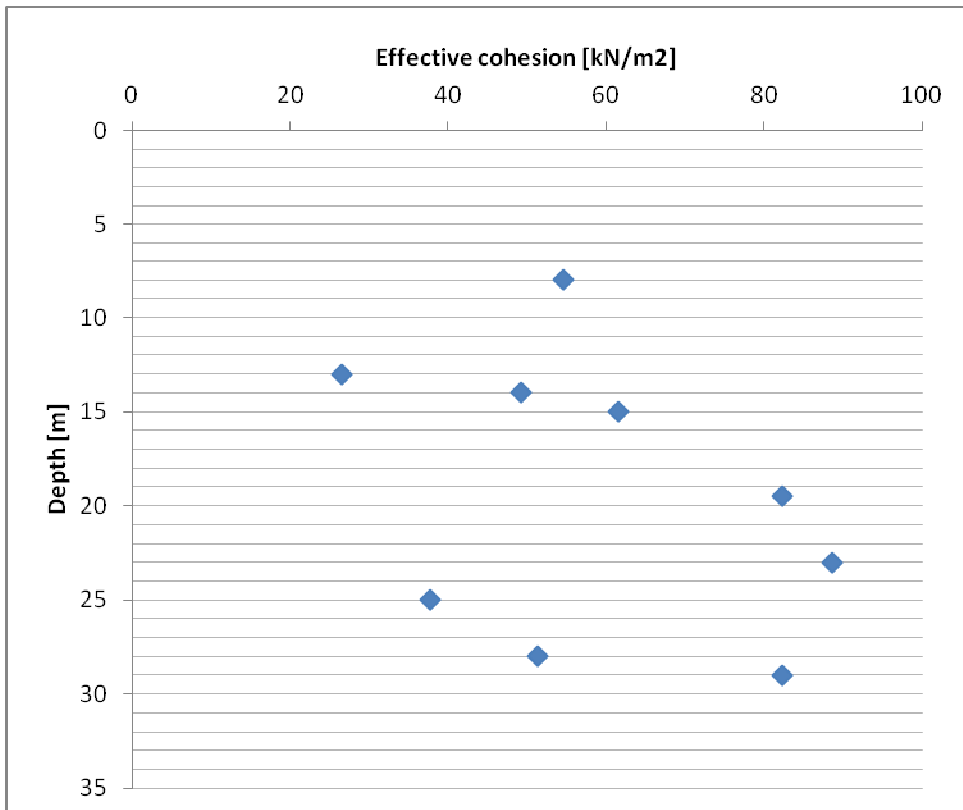
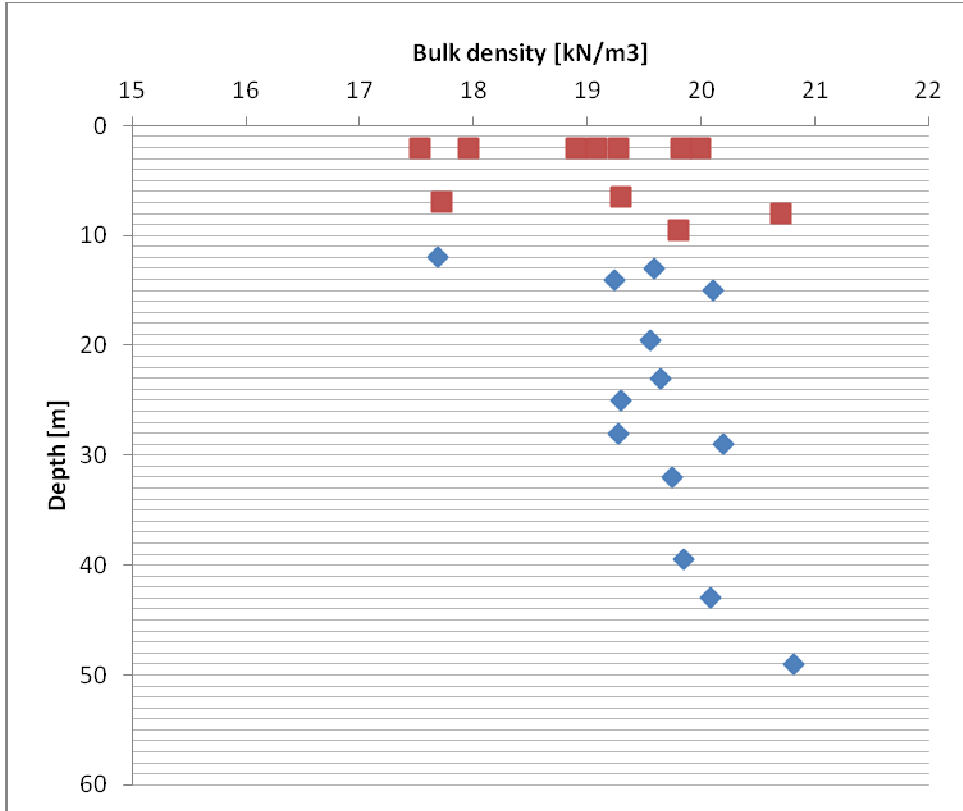
REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

Proiect Partida	Number of sample	Adâncimea probei Depth of sample [m]	Descrierea forajului [Stratum description]	Argila colorată < 0,002 mm Coloured clay [s]																Umiditate naturală (w) Water content [s]			Limea superioară de plasticitate (w _p) Liquid limit [s]		Limea inferioară de plasticitate (w _L) Plastic limit [s]		Indicele de plasticitate (Ip) Plasticity index [s]		Indicele de consistență (Ic) Consistency index [s]		Umiditatea (w) Water content [s]		Densitatea scheletului mineral (ρs) Specific density [g/cm ³]		Densitatea aparentă (ρ) Bulk density [g/cm ³]		Densitatea sare uscate (ρs) Dry density [g/cm ³]		Porozitatea (n) Porosity [s]		Indicele porilor (e) Void ratio		Gradul de umiditate (S) Saturation ratio [s]		Modulul edometric (M) Edometric deformation modulus [kPa]		Deformația specifică (ε) Strain [s]		Coeficient de compresibilitate (αv) Compressibility coefficient [1/kPa]		Viteza specifică de apă (v _{sp}) Specific water velocity [s]		Trecerea de incalzire Loosing step [kPa]		Indicele de compresie (Cc) Compression index (Cc)		Indicele de recomprimare (Cr) Sivel index (Cs)		Presiunea de umflare Swelling pressure [kPa]		Coeficient de consolidare Consolidation coefficient (c _v) [cm ² /sec]		Presiunea de preconsolidare Pp [kPa] Pre-consolidation pressure		σ ₁ (kPa)			σ ₂ (kPa)			σ ₃ (kPa)			Unghiul de înclinare interioră totală (φ) Total angle of internal friction [°]		Coeziunea totală (c) Total cohesion [kPa]		Unghi efectiv de înclinare internă (φ') Effective angle of internal friction [°]		Coeziunea efectivă (c') Effective cohesion [kPa]		Rezistența monocaxială Compressive strength [kPa]		Deformare relativă (deformation) [%]		Umflarea liberă (s) Swelling [%]		Conținutul de materie organică (s) SO ₄ [%]		CaCO ₃ [%]																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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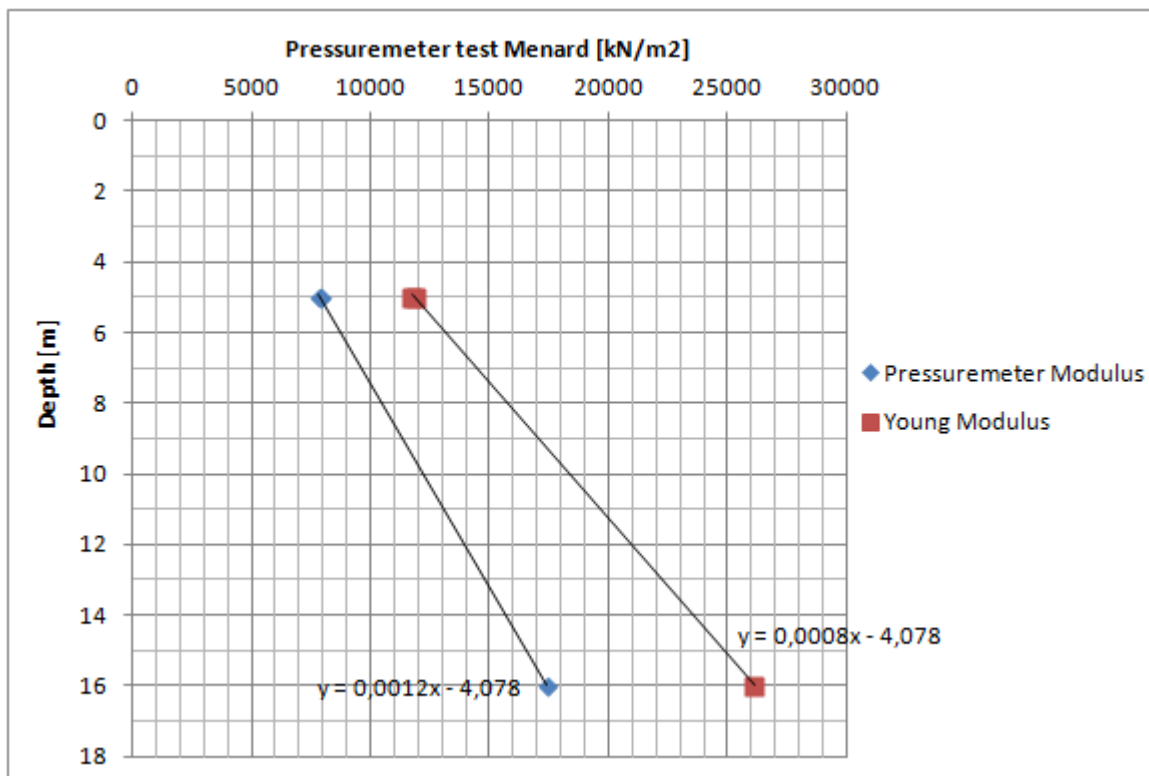
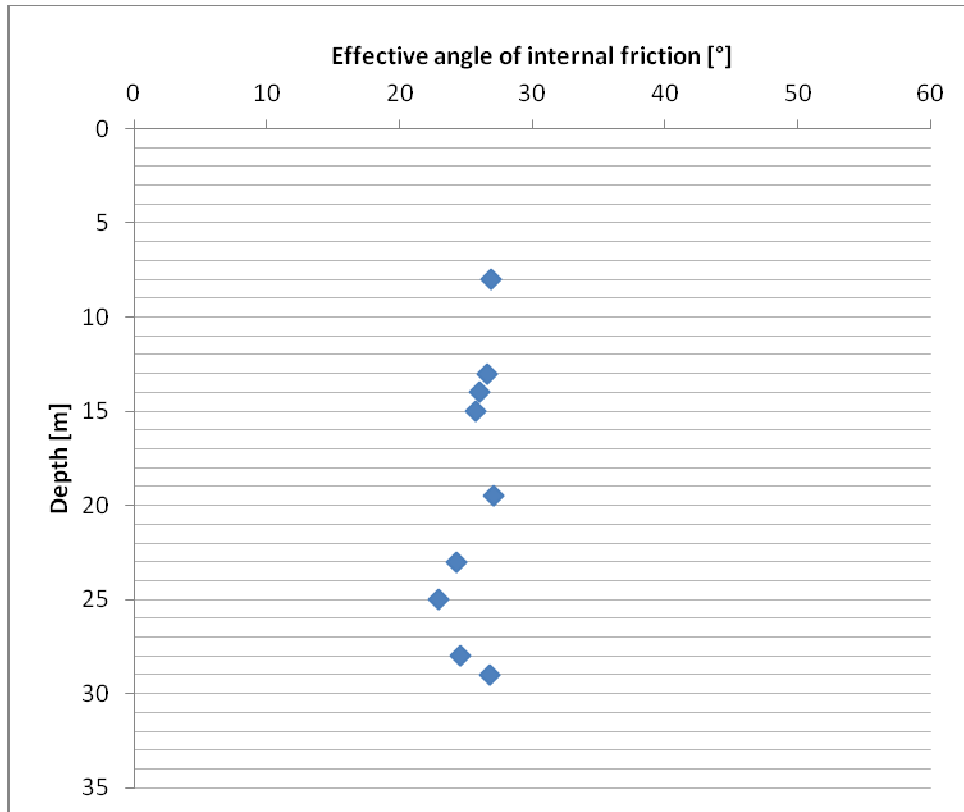
REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

Forajul Bădălia	Numărul probei Number of sample	Adâncimea probei Depth of sample [m]	Descrierea forajului [Stratum description]	Argila coloidală < 0.002 mm Colloidal clay [%]										Argila < 0.005 mm Clay [%]		Praf 0.005-0.05 mm Silt [%]		Nisip 0.05-2.00 mm Sand [%]		Pietriș 2.70 mm Gravel [%]		Bolvaniș 70-200 mm Cobble [%]		Grad de neuniformitate Non uniformity [U _n]		Umiditatea naturală (w) Water content [%]		Limita superioară de plasticitate (w _p) Liquid limit [%]		Limita inferioară de plasticitate (w _L) Plastic limit [%]		Indicele de plasticitate (I _p) Plasticity index [%]		Indicele de consistență (I _c) Consistency index [%]		Umiditatea (w) Water content [%]		Densitatea scheletului mineral (ρ _s) Specific density [t/m ³]		Densitatea naturală (ρ) Bulk density [t/m ³]		Densitatea stare uscată (ρ _d) Dry density [t/m ³]		Porozitatea (n) Porosity [%]		Indicele porilor (e) Void ratio		Gradul de umiditate (S) Saturation ratio [%]		Modulul edometric (M). Oedometric deformation modulus [kPa]		Deformația specifică (ε) Strain [%]		Coeficient de compresibilitate (ev) Compressibility coefficient [1/kPa]		rasarea specifică suplimentară prin umiditate (w _{sp}) Aditi. Saac. saac. bu.voidation [%]		Trecerea de incalzire Loading slip [kPa]		Indice de compresie (Cc) Compression index (Cc)		Indice de recompresie (Cr) Swell Index (Cs)		Presiune de umflare Swelling pressure [kPa]		Coeficient de consolidare Consolidation coefficient (C _v , t _m /t _{acc})		Presiune de recompresie (p _{cr}) Pre-consolidation pressure		σ _v /σ _h [kPa]			Unghiul de frecare internă total (φ) Total angle of internal friction [°]		Coezunea totală (c) Total cohesion [kPa]		Origini efectiv de frecare internă (φ _e) Effective angle of internal friction [°]		Coezunea efectivă (c _e) Effective cohesion [kPa]		Rezistența monoaxială Compressive strength [kPa]		Deformare relativă (deformation) [%]		Umflarea liberă (%) Swelling (%)		Conținutul de materie organică (%)		SO ₂ (%)		CaCO ₃ (%)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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3.4.2 Parametrii geotehnici

În această secțiune sunt descriși parametrii geotehnici ai proiectului cu referiri la investigația din teren.

Materialele au fost modelate cu un model “continuu echivalent” de comportare, descris de o plastică lineară perfect-elastică cu criteriul de rupere Mohr-Coulomb și cu legea-de curgere neasociată. În tabelele următoare sunt sintetizați parametrii de proiectare folosiți în următoarele analize. Se face distincție între parametrii “M1” și “M2” conform Eurocod 7. Parametrii caracteristici “M1” sunt sintetizați mai jos:

z1 (m from g.l.)	z2 (m from g.l.)	γ (kN/m ³)	Cu (kPa)	c' (kPa)	ϕ'	E' (kPa)
0	5	19	32	20	25	12
5	15	19,5	65	45	25	18
15	30	19,5	80	60	25	25

Parametrii “M2” sunt obținuți din parametrii caracteristici, reduși cu factorul de proiectare prevăzut de Eurocod 7:

z1 (m from g.l.)	z2 (m from g.l.)	γ (kN/m ³)	Cu (kPa)	c' (kPa)	ϕ'	E' (kPa)
0	5	19	23	16	20	12
5	15	19,5	46	36	20	18
15	30	19,5	57	48	20	25

Pentru analizele următoare cu privire la lucrările temporare și permanente, aceste materiale au fost de asemenea modelate numai pentru condițiile drenate.

4 REZISTENȚA MATERIALULUI

Proprietățile de rezistență de proiectare a materialelor structurale sunt sintetizate mai jos.

4.1 Armături

- Oțel de armătură: *B450C controlat de instituție*
 $f_{u_{nom}} = 540 \text{ MPa}$
 $f_{y_{nom}} = 450 \text{ MPa}$
- Oțel structural: *S 355*
 $f_{u_{nom}} = 510 \text{ MPa}$
 $f_{y_{nom}} = 355 \text{ MPa}$
- Toroane de sârmă pentru ancore:
Rezistența caracteristică de rupere la întindere $f_{ptk} \geq 1860 \text{ N/mm}^2$
Limita de curgere la întindere de 0,1 % $f_{p1k} \geq 1670 \text{ N/mm}^2$

4.2 Beton

- Tunelul artificial și portalul tunelului: *Clasa de rezistență C30/37*
- Piloni și picior de reazem: *Clasa de rezistență C25/30*

5 CRITERIILE DE PROIECTARE ȘI ANALIZA STRUCTURILOR TEMPORARE

5.1 Descrierea structurilor temporare pentru intrarea tunelului

Pământul este excavat la adâncimea cerută cu ziduri de sprijin și ancore care suportă solul pe margini. Zidurile de sprijin sunt constituite din piloni găuriți din beton armat cu un diametru de 1200 mm și o lungime de la 15 m la 28 m. Distanța între piloni va fi de 11.3 m. Pilonii sunt conectați la partea superioară de un picior de reazem din beton armat care are dimensiunile 1,1 x 1,5 m.

Ancorele constau din găuri forate cu toroane de oțel precomprimat cimentate care se extind de la fața zidului la o zonă de ancoră localizată în spatele planurilor de ruptură potențială în solul rezemat. Se vor prevedea mai multe nivele de ancore în funcție de adâncimea excavației și de parametrii geotehnici ai solului. Pasul transversal între ancore va fi de 1,3 m și acestea vor fi în opoziție la diferite nivele cu grinzile de beton armat cu dimensiunile de 60 x 70 cm.

Conductele de drenaj suborizontal sunt instalate de-a lungul zidurilor de sprijin pentru a disipa presiunea hidrolică.

Fazele de construcție a zidurilor de sprijin sunt după cum urmează:

1. Executarea pilonilor găuriți din beton pe ambele laturi ale viitorului tunel artificial;
2. Decaparea pilonilor la partea superioară;
3. Realizarea unei grinzi de coronament din beton armat la partea superioară a pilonilor;
4. Plasarea nivelului de toroane și realizarea grinzii din beton armat de la partea superioară;
5. Excavarea la nivelul ancorelor;
6. Plasarea nivelului de toroane și realizarea grinzii de contrast din beton armat;
7. Dacă este necesar se repetă etapele 4 și 5;
8. Excavarea până la adâncimea finală;
9. Excavarea și construirea radierului de tunel pentru tunelul artificial;
10. Construirea coronamentului tunelului și a pilonilor pentru tunelul artificial

5.2 Criteriile de proiectare

Proiectarea structurilor de reazem se face atât pentru starea limită extremă (ULS) cât și pentru starea limită de deservire (SLS).

5.2.1 Stările limită extreme

Sunt luate în considerare următoarele stări limită:

Tip ULS – STR :

- Ruperea unui element structural precum zidurile, ancorajele, grinzile de contravântuire sau contrafișele sau ruperea legăturii dintre asemenea elemente;

Tipuri ULS – GEO, UPL și HYD :

- Ruperea prin rotire sau translație a zidului sau a părților din acesta;
- Ruperea din lipsa echilibrului vertical;
- Ruperea prin dislocare hidraulică și afuiere;
- Pierdere de stabilitate globală;
- Rupere combinată în teren și în elementul structural.

Când se consideră o stare limită de rupere sau de deformare excesivă a unui element structural sau secțiune a terenului (STR și GEO), se va verifica dacă:

$$Ed \leq Rd$$

Abordarea 1 de proiectare

Analiza ULS – STR este efectuată cu următoarea combinație de seturi de factori parțiali:

Combinăția 1: A1 + M1 + R1.

Analiza ULS – GEO este efectuată cu următoarea combinație de seturi de factori parțiali:

Combinăția 2: A2 + M2 + R1

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Pentru verificarea stărilor limită structurale (STR) și geotehnice (GEO), în tabelele următoare sunt sintetizați factorii parțial recomandați de Eurocod 7 și factorii de corelație.

USL – Factorul parțial privind acțiunile și solul factorului parțial							
	Action γ_F				Parametrii solului		
	<u>Permanentă</u>		<u>Variabilă</u>		(γ_m)		
	Nefavorabilă	Favorabilă	Nefavorabilă	Favorabilă	$\tan \varphi'$	c'	c_u
STR (A1+M1)	1.35	1.00	1.50	0.00	1.00	1.00	1.00
GEO (A2+M2)	1.00	1.00	1.30	0.00	1.25	1.25	1.40

USL – Factor parțial de rezistență	
Rezistența	Factori parțiali de rezistență (γ_R)
Ruptură de elemente structurale ale zidului	$\gamma_R = 1$
Ruptură structurală a ancorajelor	$\gamma_R = 1$
Ruptură prin rotire sau translație a zidului	$\gamma_R = 1$
Ruptură prin dislocare hidraulică și afuire	$\gamma_R = 1$
Pierdere de stabilitate generală	$\gamma_R = 1$
Ruptură prin smulgerea ancorajelor	Temporară $\gamma_R = 1.1$
	Permanentă $\gamma_R = 1.1$

5.2.2 Stările limită de deservire

Sunt luate în considerare următoarele stări limită:

SLS:

- Mișcarea structurii de reazem, care poate cauza prăbușirea sau afecta aspectul sau utilizarea eficientă a structurii.

Verificarea stărilor limită de deservire va cere ca:

$$Ed \leq Rd$$

Valorile factorilor parțiali pentru SLS sunt egale cu 1,0 atât pentru acțiuni cât și pentru parametrii solului, așa cum sunt recomandate de Eurocod 7 și rezumate în tabelul următor.

Acțiunea γ_F				Parametrii solului (γ_m)		
<u>Permanentă</u>		<u>Variabilă</u>				
Nefavorabilă	Favorabilă	Nefavorabilă	Favorabilă	$\tan \varphi'$	c'	c_u
1.00	1.00	1.00	1.00	1.00	1.00	1.00

5.2.3 Metoda de calcul

Analiza structurilor de sprijin este efectuată cu programul PARATIE versiunea 7.0 (CEAS Srl). Programul folosește pentru teren o comportare plastică-elastică și este în stare să urmărească întregul proces de construire. În tabelul următor sunt rezumate fazele de calcul pentru modelarea zidurilor de sprijin:

Fazele de calcul pentru zidurile de sprijin	
Faza	Descriere
1	Condiția geostatică inițială
2	Construirea zidului rezemat pe piloni
3	Excavarea la nivelul I de ancore
4	Instalarea ancorei I cu forța inițială egală cu 150 kN
5	Excavarea la nivelul II de ancore
6	Instalarea ancorei II cu forța inițială egală cu 150 kN
7	Excavarea la nivelul III de ancore
8	Instalarea ancorei III cu forța inițială egală cu 300 kN
7	Excavarea la nivelul IV de ancore
8	Instalarea ancorei IV cu forța inițială egală cu 300 kN

5.3 Cazuri analizate și rezultate

5.3.1 Secțiuni reprezentative

Analiza zidurilor de sprijin este efectuată pentru 3 secțiuni reprezentative:

Secțiunea 1: Secțiunea cu înălțime maximă a excavației, lungimea măsurată 226+616,87;

Secțiunea 2: Secțiunea la lungimea măsurată 226+587;

Secțiunea 3: Secțiunea la lungimea măsurată 226+606

Secțiunea 1:

Secțiune și lungime măsurată	Lungimea măsurată 226+616,87
Tipul de ziduri încastrate	Pilonii zidului $\phi = 1200\text{mm}$, $L = 28\text{m}$; distanțare 1.30 m
Suprasarcini	Suprasarcină variabilă = 20 kN/m
Straturi geotehnice	De la 0 m la 5m h.c.
	De la 5 m la 15m h.c.
	De la 15 m la 30 m h.c.
Baza excavației	Z1 = 13.62 m de la grinda superioară (radierul tunelului)
Ancoră	Nivel I de ancoră H1 = 0.5 m
	Nivel II de ancoră H2 = 4.0 m
	Nivel III de ancoră H3 = 8 m
	Nivel IV de ancoră H4 = 12 m
Distanțarea transversală a ancorelor	1.3 m
Apa freatică	2 m de la h.c.

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Secțiunea 2:

Secțiune și lungime măsurată	Lungimea măsurată 226+587
Tipul de ziduri încastrate	Pilonii zidului $\phi = 1200\text{mm}$; L=25m; distanțare 1.30 m
Suprasarcini	Suprasarcină variabilă = 20 kN/m
Straturi geotehnice	De la 0 m la 5m h.c.
	De la 5 m la 15m h.c.
	De la 15 m la 30 m h.c.
Baza excavației	Z1 = 10.2 m de la grinda superioară (radierul tunelului)
Ancoră	Nivel I de ancoră H1 = 0.5 m
	Nivel II de ancoră H2 = 4.0 m
	Nivel III de ancoră H3 = 8 m
Distanțarea transversală a ancorelor	1.3 m
Apa freatică	2 m de la h.c.

Secțiunea 3:

Secțiune și lungime măsurată	Lungimea măsurată 226+606
Tipul de ziduri încastrate	Pilonii zidului $\phi = 1200\text{mm}$; L=22m; distanțare 1.30 m
Suprasarcini	Suprasarcină variabilă = 20 kN/m
Straturi geotehnice	De la 0 m la 5m h.c.
	De la 5 m la 15m h.c.
	De la 15 m la 30 m h.c.
Baza excavației	Z1 = 7.2 m de la grinda superioară (radierul tunelului)
Ancoră	Nivel I de ancoră H1 = 0.5 m
	Nivel II de ancoră H2 = 4.0 m
Distanțarea transversală a ancorelor	1.3 m
Apa freatică	2 m de la h.c.

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

5.3.2 Date de intrare pentru analiză

În tabelele următoare sunt prezentați parametrii geotehnici pentru analizele executate. În mod conservator, analizele au fost efectuate cu parametri drenați

Strat	Combi-nația	γ [kN/m ³]	c' [kPa]	ϕ' [°]	E'_{vc} [Mpa]	E'_{ur} [Mpa]
De la 0.0 m la 5.0 m	M1	19	20	25	12	17
	M2	19.5	16	20	12	17

γ = greutatea specifică totală
 c' = coeziunea
 ϕ' = unghiul de frecare
 E'_{vc} = modulul elastic
 E'_{ur} = modulul elastic în condiția de descărcare / reîncărcare

Strat	Combi-nația	γ [kN/m ³]	c' [kPa]	ϕ' [°]	E'_{vc} [Mpa]	E'_{ur} [Mpa]
De la 5.0m la 15.0 m	M1	19.5	45	25	18	23
	M2	19.5	36	20	18	23

γ = greutatea specifică totală
 c' = coeziunea
 ϕ' = unghiul de frecare
 E'_{vc} = modulul elastic
 E'_{ur} = modulul elastic în condiția de descărcare / reîncărcare

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

Strat	Combi-nația	γ [kN/m ³]	c' [kPa]	ϕ' [°]	E'_{vc} [Mpa]	E'_{ur} [Mpa]
De la 15.0m la 30.0 m	M1	19.5	60	25	25	30
	M2	19.5	48	20	25	30
γ = greutatea specifică totală c' = coeziunea ϕ' = unghiul de frecare E'_{vc} = modulul elastic E'_{ur} = modulul elastic în condiția de descărcare / reîncărcare						

În tabelele următoare sunt rezumate valorile coeficienților presiunii active a pământului K_a și a coeficienților presiunii pasive a pământului K_p .

Strat	Combi-nația	k_{ah}	k_{ph}
De la 0.0 m la 5.0 m	M1	0.359	3.319
	M2	0.44	2.511

Strat	Combi-nația	k_{ah}	k_{ph}
De la 5.0m la 15.0 m	M1	0.359	3.319
	M2	0.44	2.511

Strat	Combi-nația	k_{ah}	k_{ph}
De la 15.0m la 30.0 m	M1	0.359	3.319
	M2	0.44	2.511

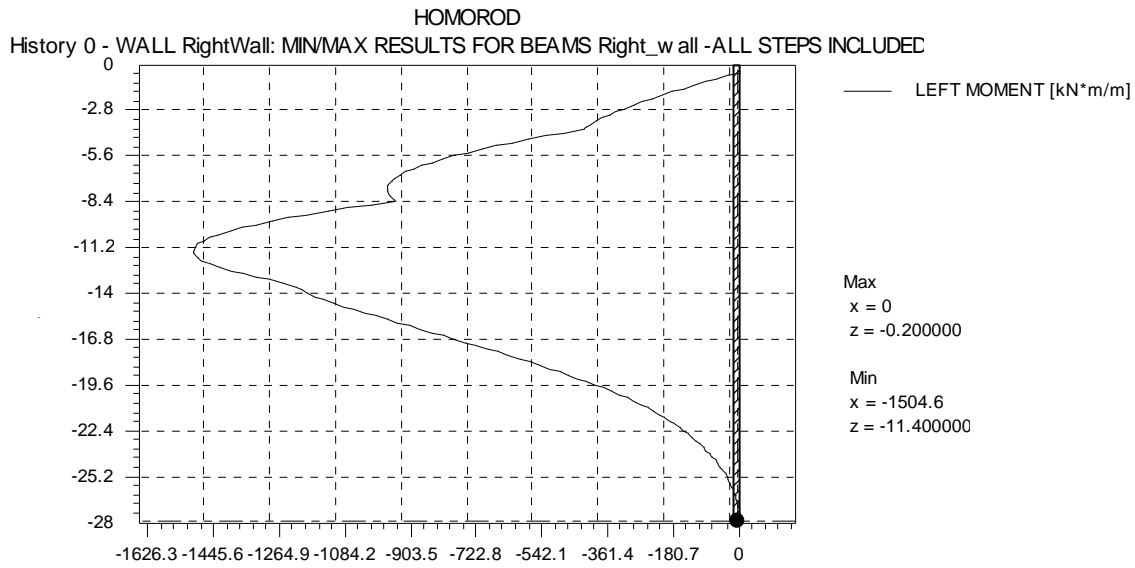
5.3.3 Rezultatele analizelor

În tabelele următoare sunt sintetizate rezultatele principale pentru analizele efectuate. Rezultatele se referă la 1 metru de zid rezemat pe piloni. Tensiunile sunt ca valori nominale.

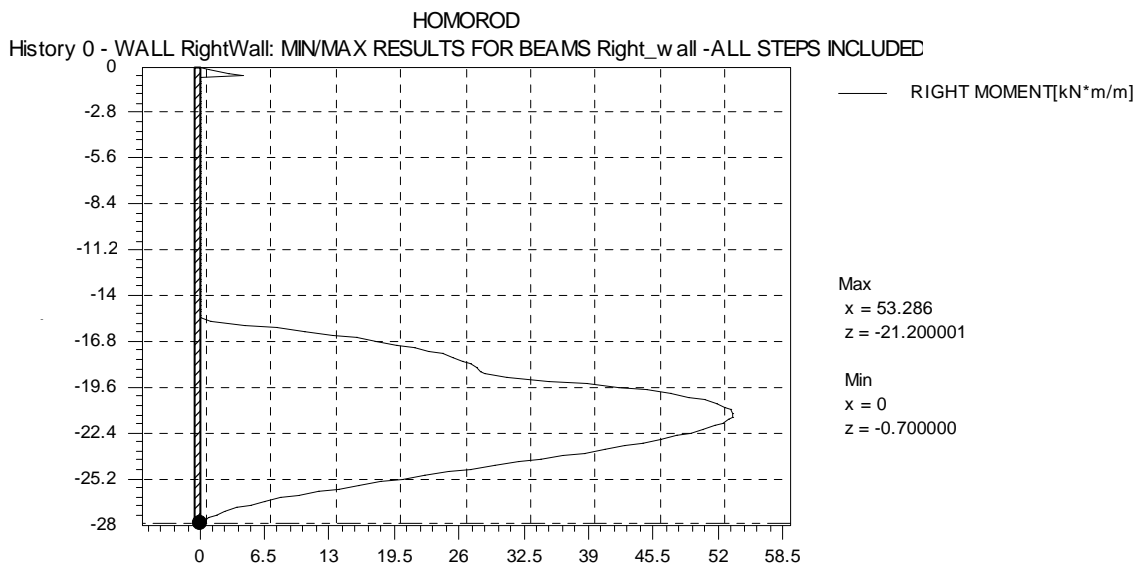
REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

5.3.3.1 Secțiunea 1 (Combi-nația GEO)

Înfășurătoarea momentului de încovoiere



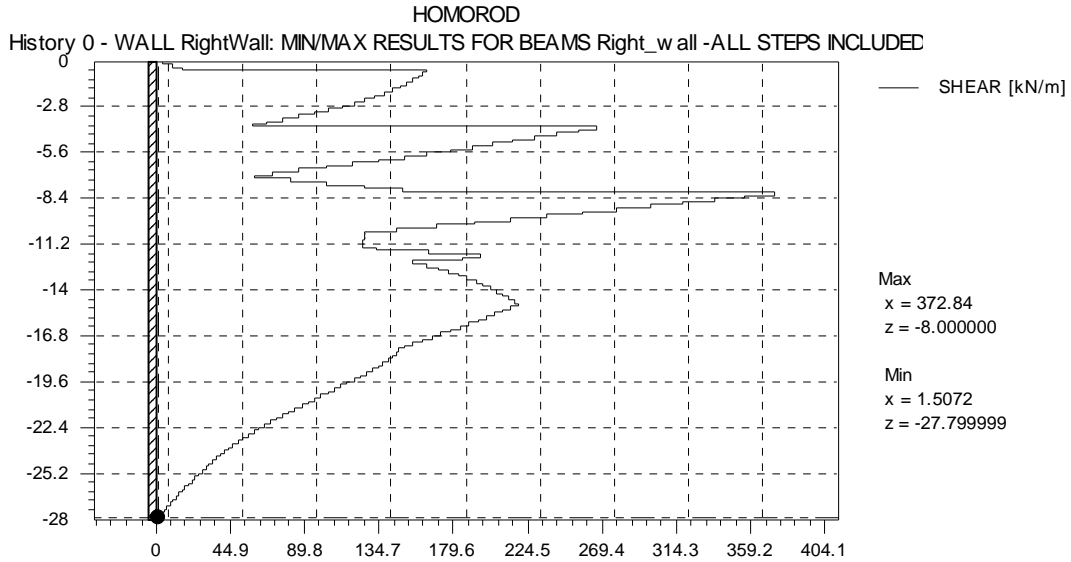
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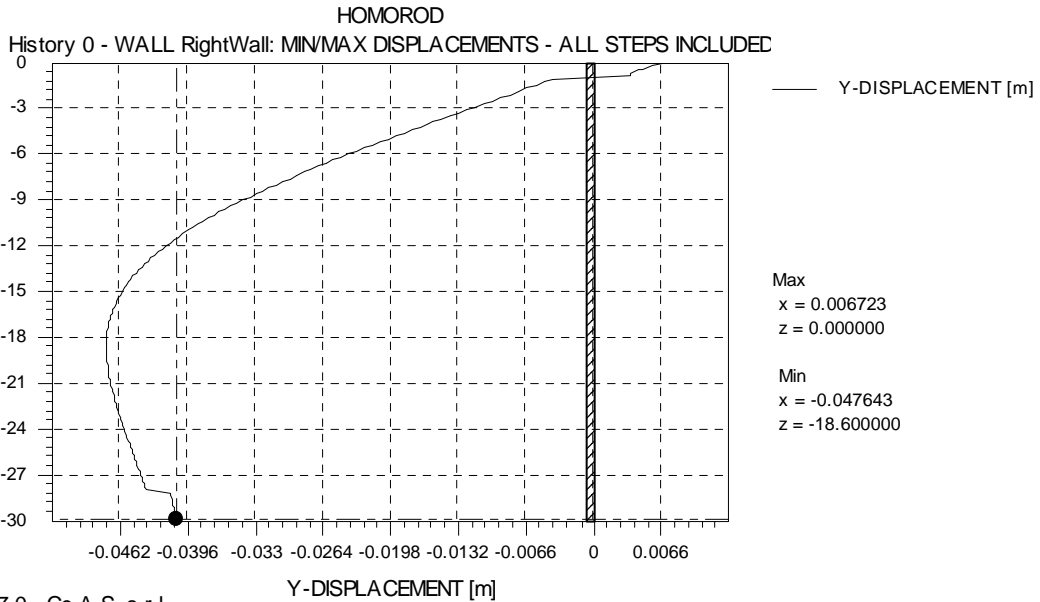
REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

Înfășurătoarea de forfecare



PARATIE 7.0 - Ce.A.S. s.r.l

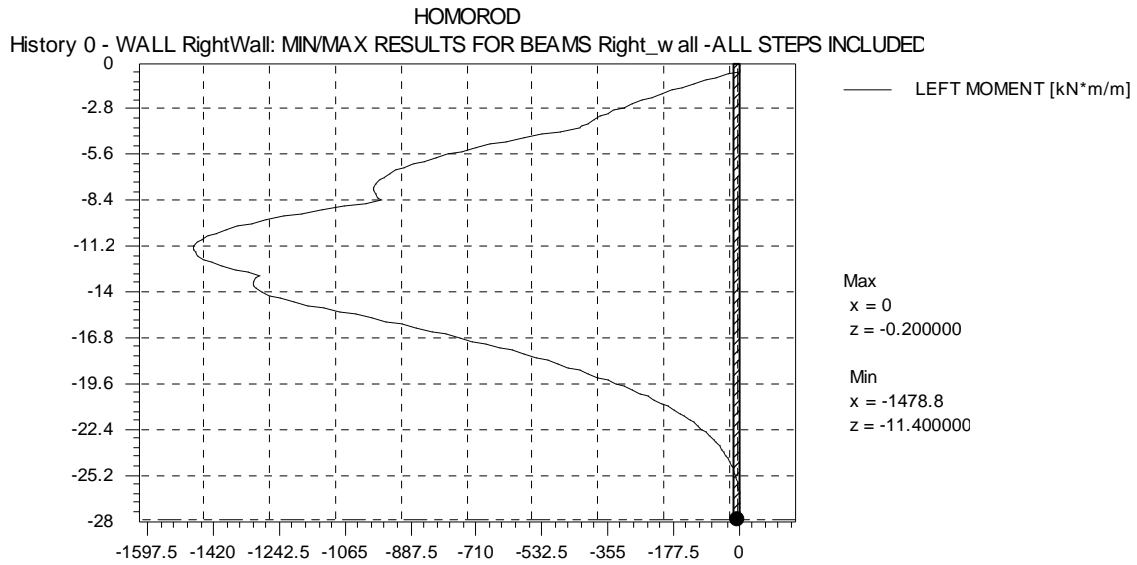
Deplasarea



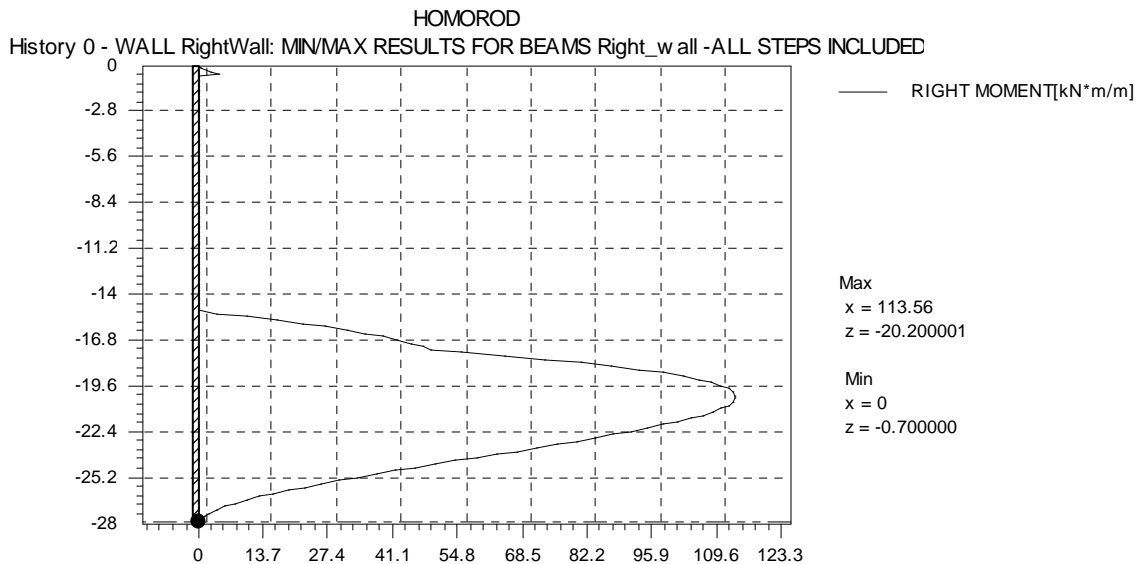
PARATIE 7.0 - Ce.A.S. s.r.l

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

5.3.3.2 Secțiunea 1 (Combi-nația STR)



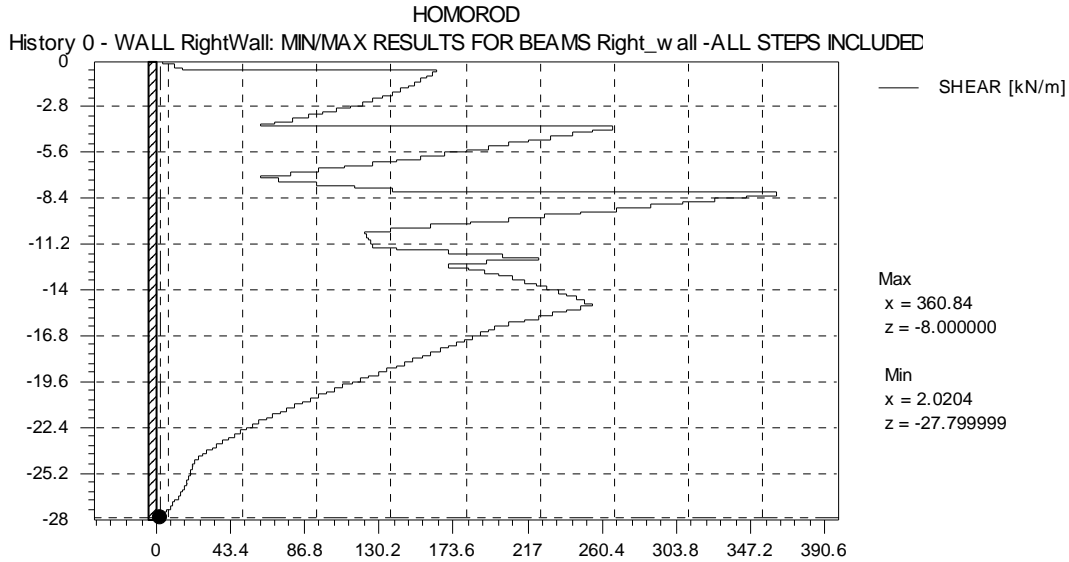
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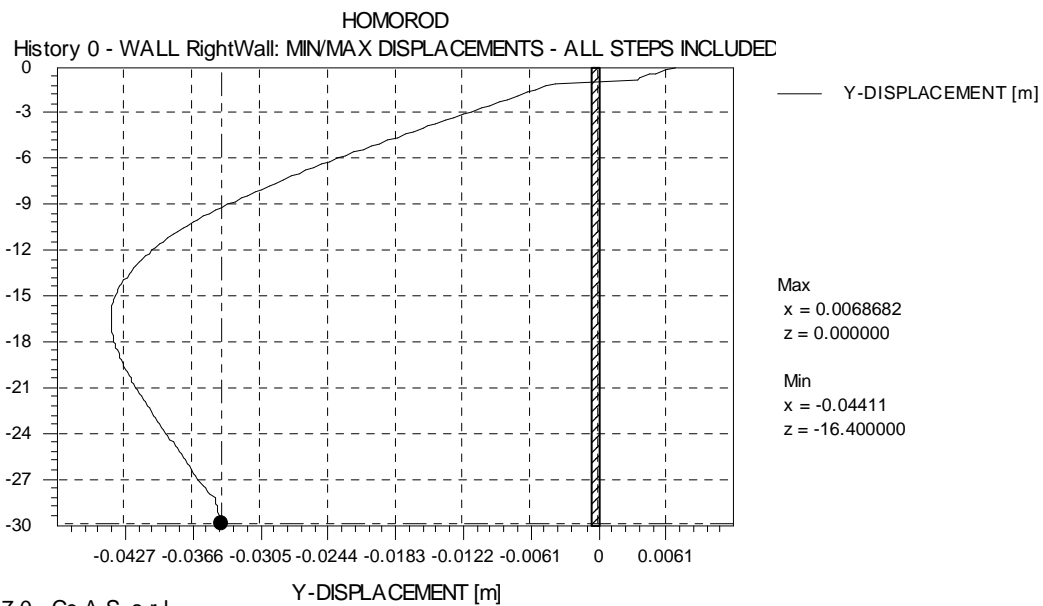
REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

Înfășurătoarea de forfecare



PARATIE 7.0 - Ce.A.S. s.r.l

Deplasare

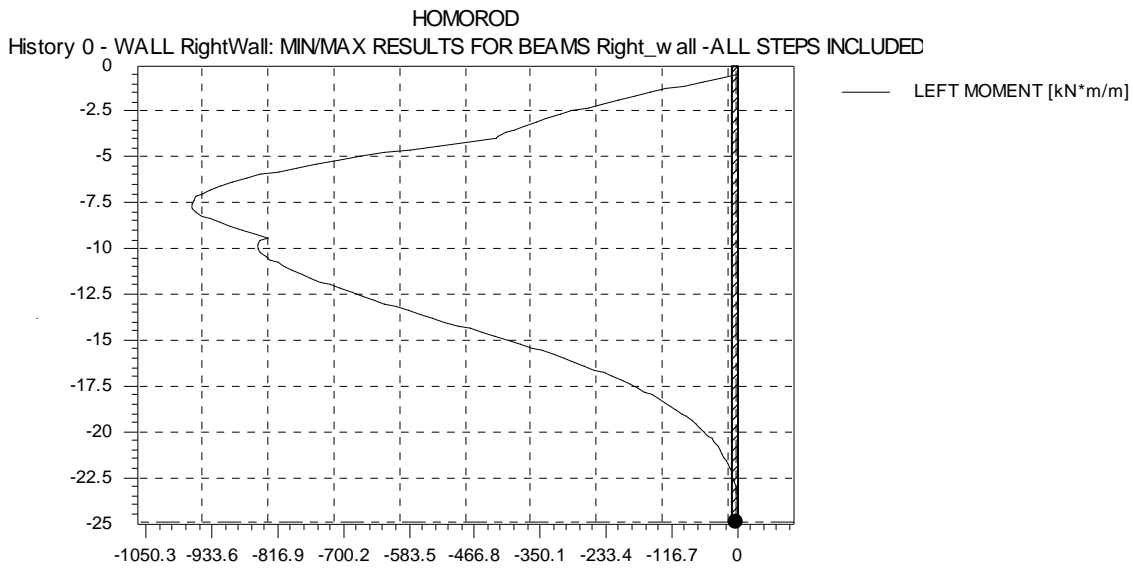


PARATIE 7.0 - Ce.A.S. s.r.l

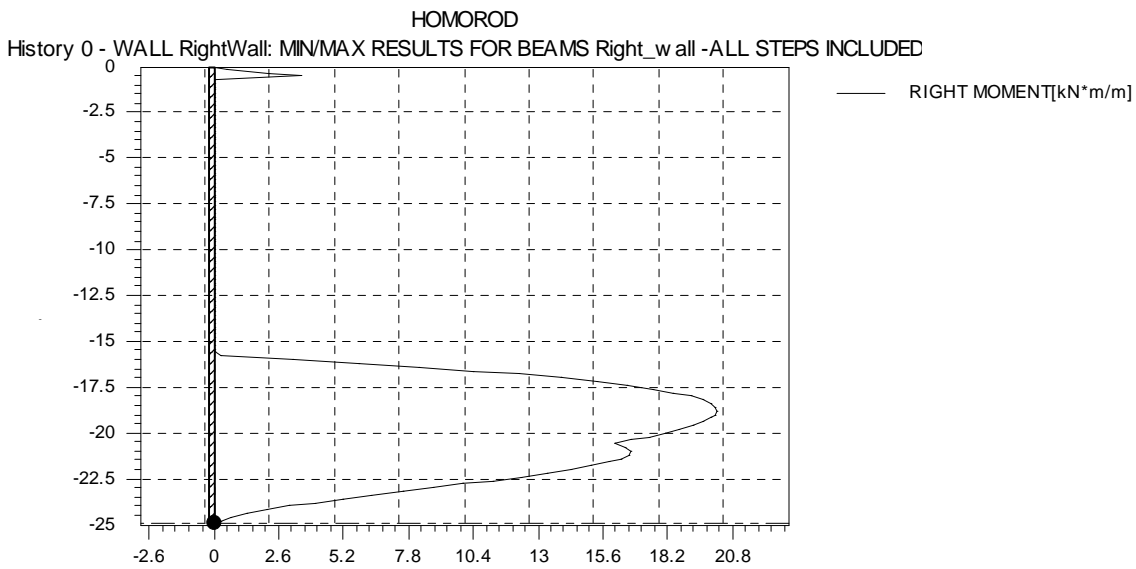
REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

5.3.3.3 Secțiunea 2 (Combinăția GEO)

Înfășurătoarea momentului de încovoiere



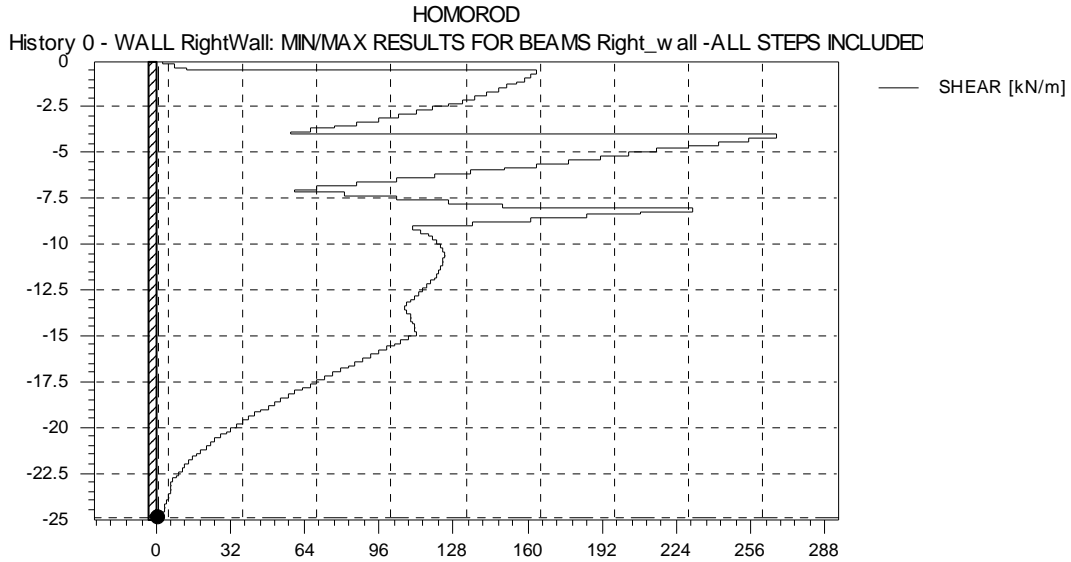
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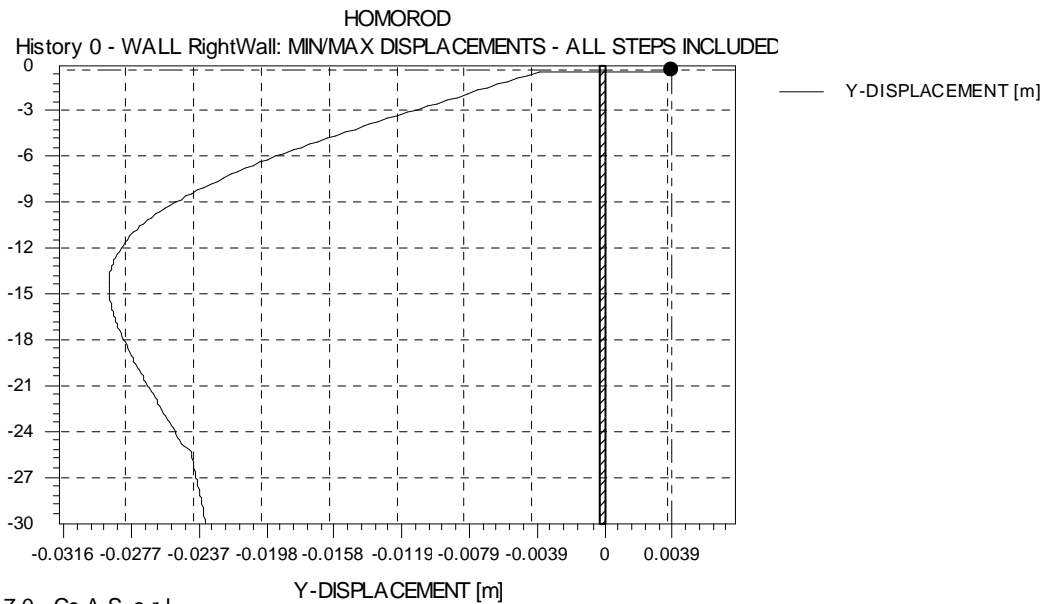
REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

Înfășurătoarea de forfecare



PARATIE 7.0 - Ce.A.S. s.r.l

Deplasare

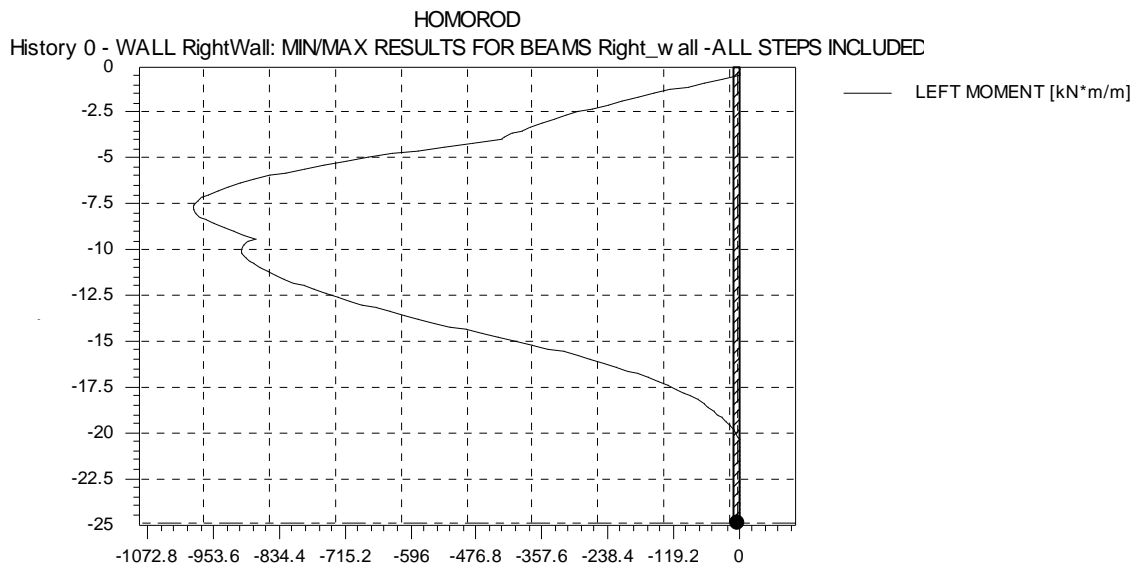


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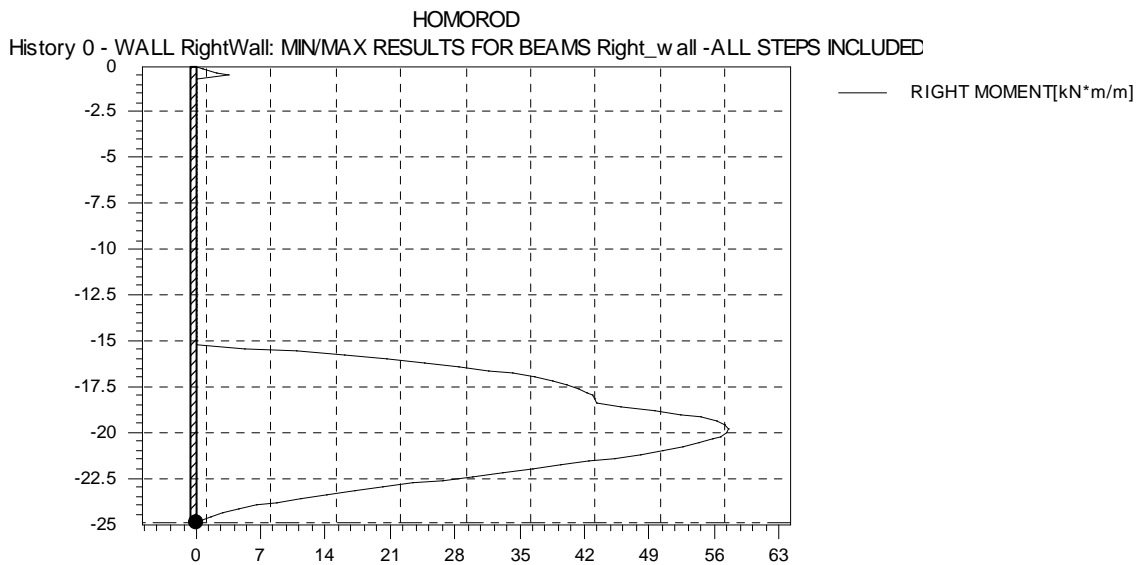
REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

5.3.3.4 Secțiunea 2 (Combi-nația STR)

Înfășurătoarea momentului de încovoiere



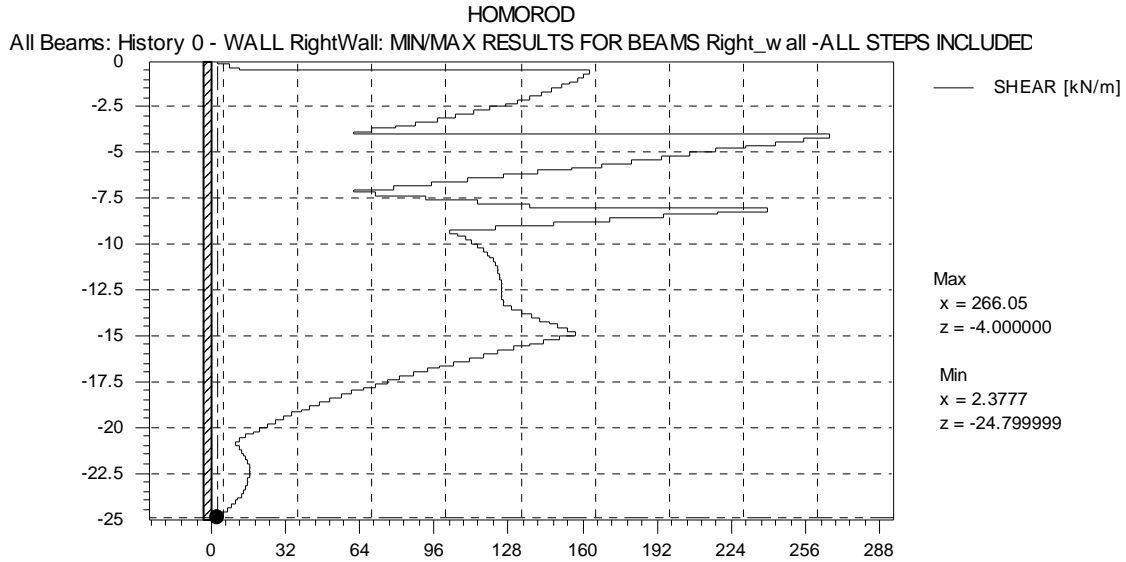
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PARATIE 7.0 - Ce.A.S. s.r.l

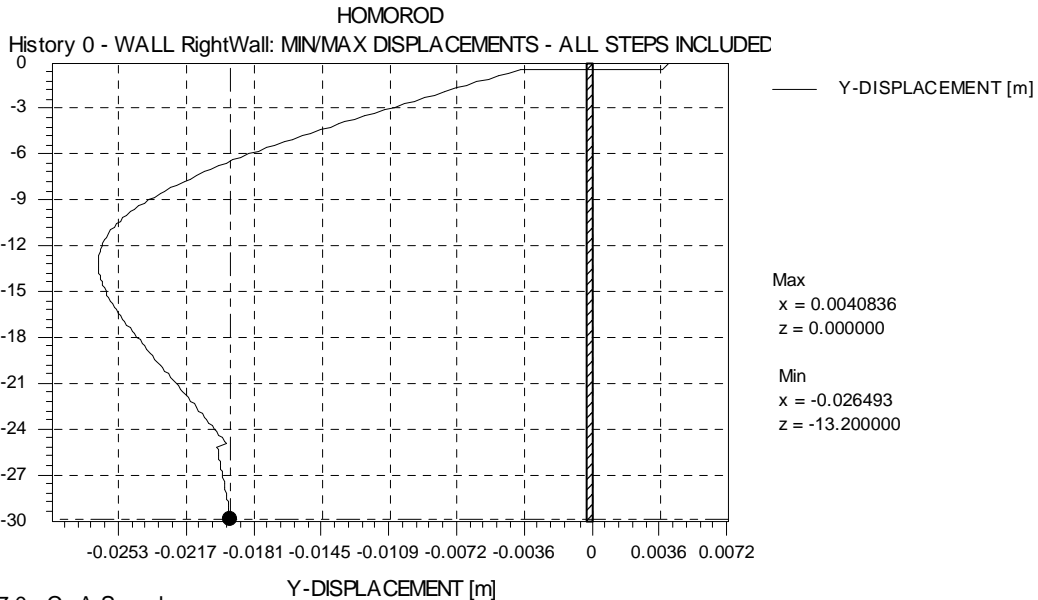
REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

Înfășurătoarea de forfecare



PARATIE 7.0 - Ce.A.S. s.r.l

Deplasare

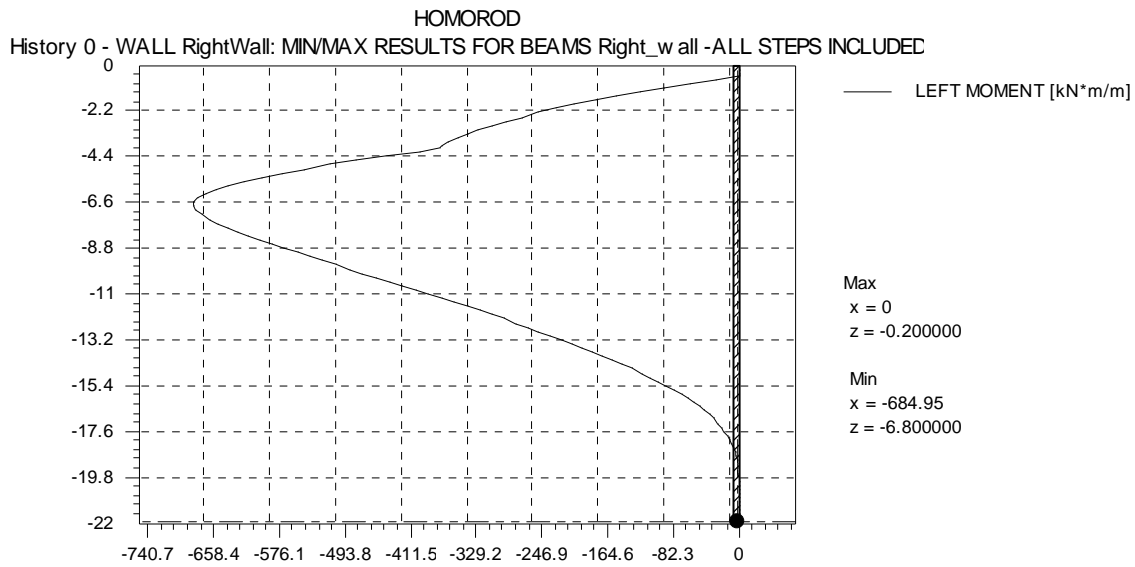


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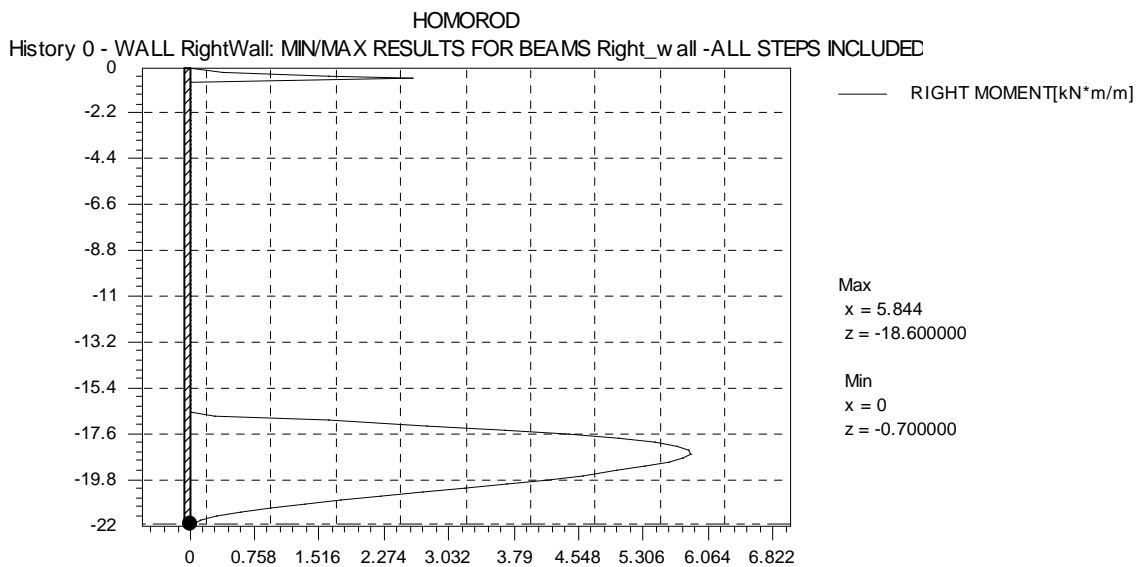
REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

5.3.3.5 Secțiunea 3 (Combi-nația GEO)

Înfășurătoarea momentului de încovoiere



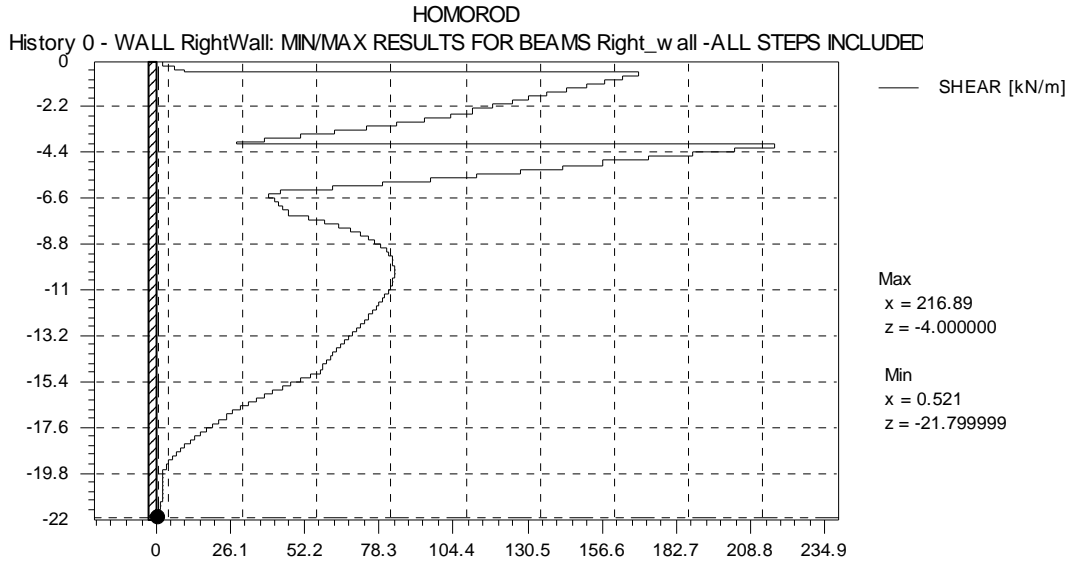
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PARATIE 7.0 - Ce.A.S. s.r.l

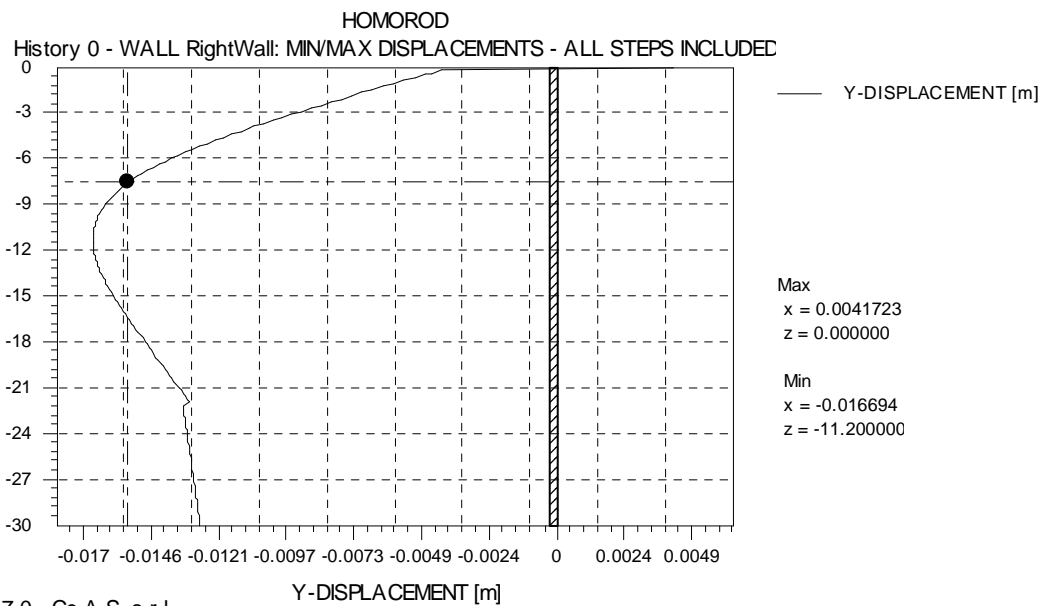
REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

Înfășurătoarea de forfecare



PARATIE 7.0 - Ce.A.S. s.r.l

Deplasare

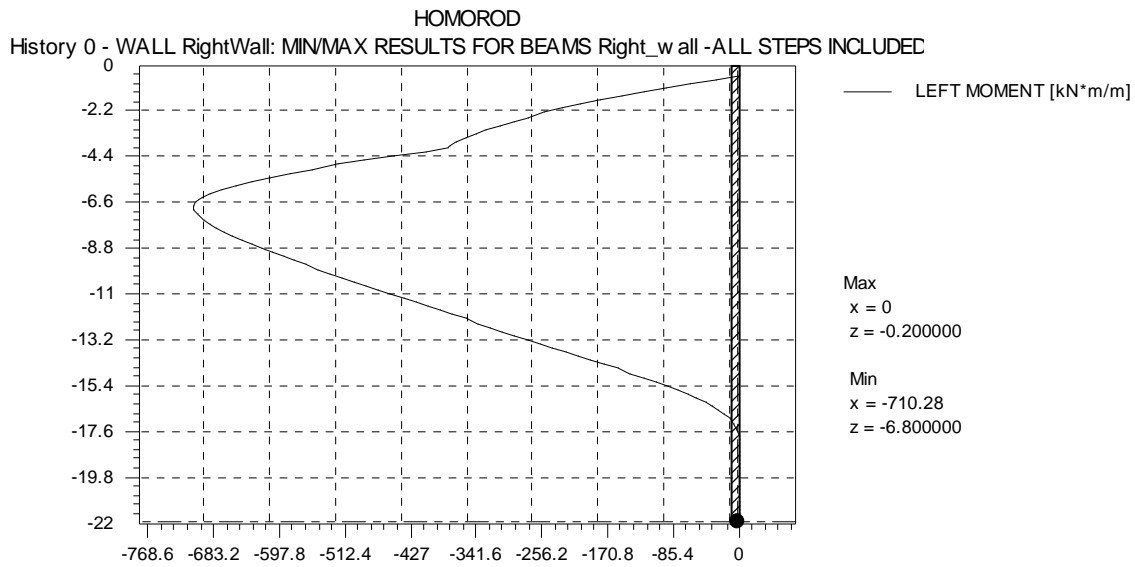


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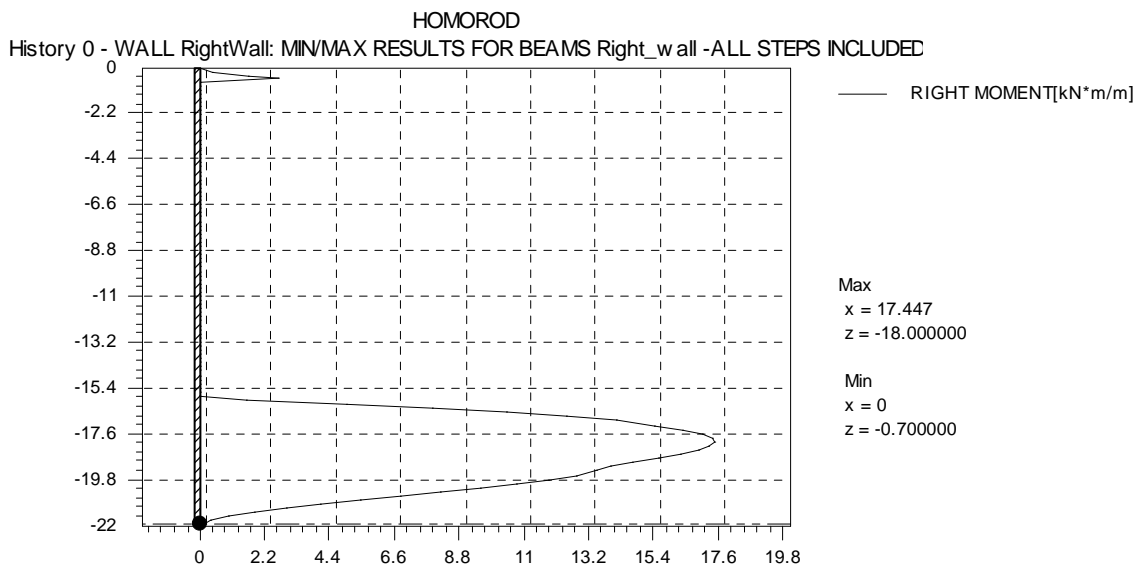
REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

5.3.3.6 Secțiunea 3 (Combi-nația STR)

Înfășurătoarea momentului de încovoiere



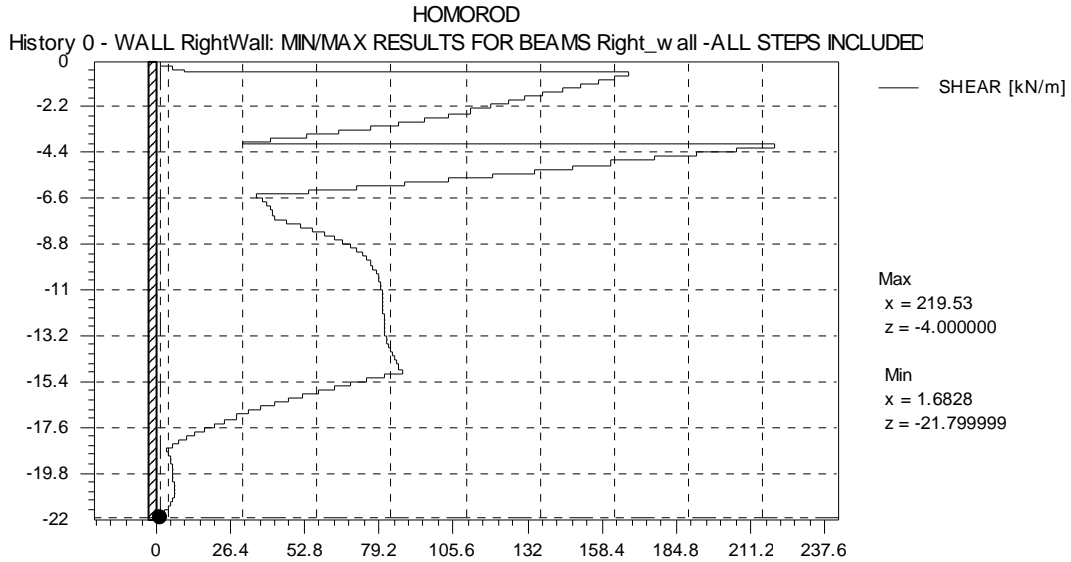
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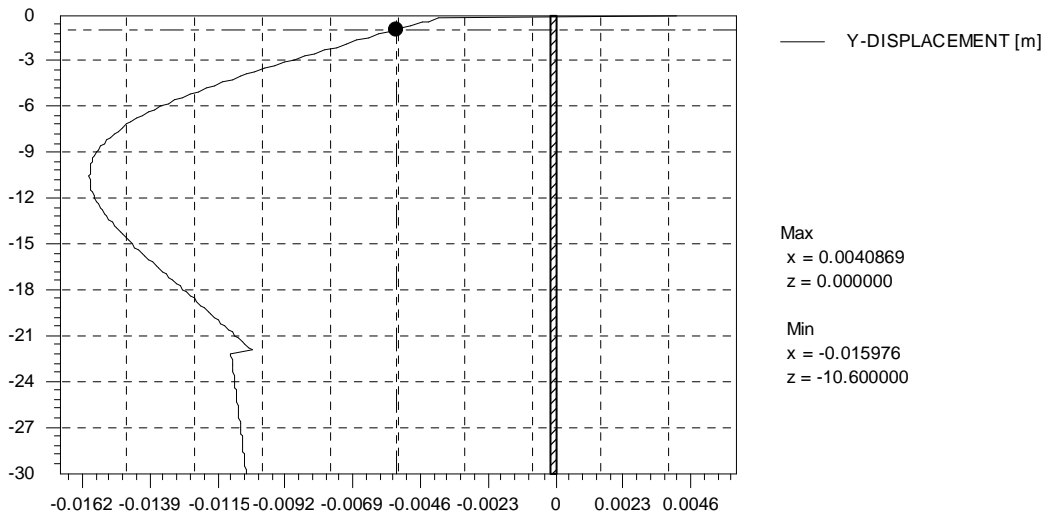
REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

Înfășurătoarea de forfecare



PARATIE 7.0 - Ce.A.S. s.r.l

Deplasare



PARATIE 7.0 - Ce.A.S. s.r.l

5.3.4 Verificarea rezistenței elementelor structurale

În această secțiune este prezentată verificarea elementelor structurale. Toate verificările structurale sunt efectuate cu combinația ULS – STR și USL GEO.

5.3.4.1 Piloni

În tabelele următoare sunt sintetizate rezultatele repetării acțiunilor de încovoiere-axială (domeniul M-N) și verificările de forfecare pentru Secțiunea 1, 2 și 3. Pentru a obține valorile de proiectare, valorile luate prin Paratie sunt multiplicare cu distanțarea pilonilor (=1,30 m) și cu factorul parțial ULS privind efectele acțiunilor.

Verificările de forfecare a secțiunii circulare a pilonilor s-a referit la o secțiune rectangulară echivalentă, suprafața efectivă fiind obținută prin relația propusă de Buletinul CEB nr. 137, Anexa 5:

$$b_{w,eq} = 0,9 \cdot \Phi \text{ pilon} = 0,9 \cdot 120 = 108 \text{ cm}$$

$$h_{eq} = 0,45 \cdot \Phi \text{ pilon} + 0,64 \cdot (\Phi \text{ pilon} / 2 - c_p) + c_p = 96,0 \text{ cm}$$

Secțiunea 1 – Încovoierea cu forța axială								
	Secțiunea de verificat	Distanțare	M	Msd	Armare	Nsd	Mrd	S.F.
	m	m	KN*m/m	KN*m	n.	kN	KN*m	-
GEO	-11,4	1,3	1572	2044	35 ϕ 26	322	3132	1,53
STR	-11,4	1,3	1479	2596	35 ϕ 26	322	3129	1,21

Secțiunea 1 - Forfecare							
	Secțiunea de verificat	Distanțare	V	Vsd	Etrieri de grindă	Vrd	S.F.
	m	m	KN/m	KN	n.	KN*m	-
GEO	-8	1,3	372,4	484	Spiral ϕ 14/20 cm	1233	2,55
STR	-8	1,3	360	632	Spiral ϕ 14/20 cm	1233	1,95

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

Secțiunea 2 – Încovoierea cu forța axială								
	Secțiunea de verificat	Distanțare	M	Msd	Armare	Nsd	Mrd	S.F.
	m	m	KN*m/m	KN*m	n.	kN	KN*m	-
GEO	-7,6	1,3	971,6	1263	30 ϕ 26	215	2722	2,16
STR	-7,8	1,3	992,5	1742	30 ϕ 26	221	2722	1,56

Secțiunea 2 - Forfecare							
	Secțiunea de verificat	Distanțare	V	Vsd	Etrieri de grindă	Vrd	S.F.
	m	m	KN/m	KN	n.	KN*m	-
GEO	-4	1,3	266	346	Spiral ϕ 12/20 cm	794	2,30
STR	-4	1,3	266	467	Spiral ϕ 12/20 cm	794	1,70

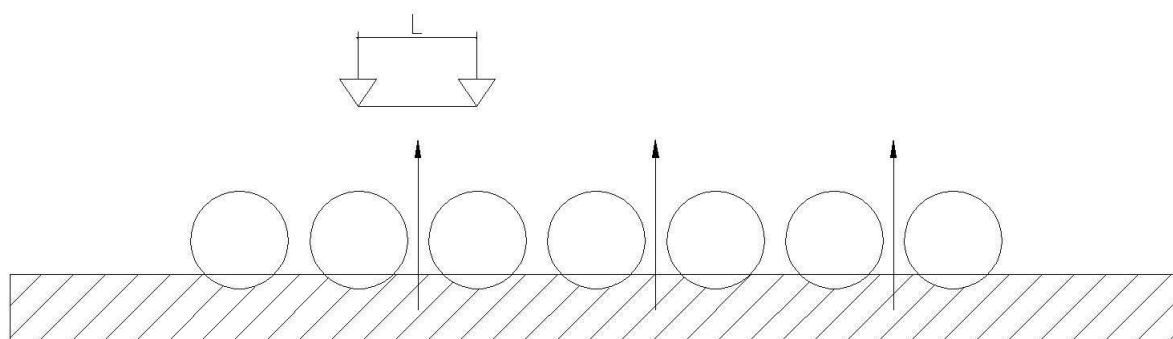
Secțiunea 3 – Încovoierea cu forța axială								
	Secțiunea de verificat	Distanțare	M	Msd	Armare	Nsd	Mrd	S.F.
	m	m	KN*m/m	KN*m	n.	kN	KN*m	-
GEO	-6,8	1,3	684,9	890	26 ϕ 20	192	1551	1,74
STR	-6,8	1,3	710,3	1247	26 ϕ 20	192	1551	1,24

Secțiunea 3- Forfecare							
	Secțiunea de verificat	Distanțare	V	Vsd	Etrieri de grindă	Vrd	S.F.
	m	m	KN/m	KN	n.	KN*m	-
GEO	-4	1,3	278	361	Spiral ϕ 12/20 cm	794	2,20
STR	-4	1,3	253	444	Spiral ϕ 12/20 cm	794	1,79

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

5.3.4.2 Picioarele de reazem

Structura poate fi sintetizată cu o grindă simplu rezemată și supusă unei sarcini punctiforme la mijloc. Prin aceasta se formează încastrarea, în timp ce sarcina punctiformă este reprezentată de ancoră.



Secțiunea 1

	T	int.	α	Mx	My
	kPa	m	°	KN*m	KN*m
Nivel IV	664,3	1,3	22,5	199,5	82,6
Nivel III	770,0	1,3	22,5	231,2	95,8
Nivel II	479,7	1,3	22,5	144,0	59,7
Nivel I	319,2	1,3	22,5	95,8	39,7

Secțiunea 2

	T	int.	α	Mx	My
	kPa	m	°	KN*m	KN*m
Nivel III	650,1	1,3	22,5	195,2	80,9
Nivel II	440,8	1,3	22,5	132,4	54,8
Nivel I	336,7	1,3	22,5	101,1	41,9

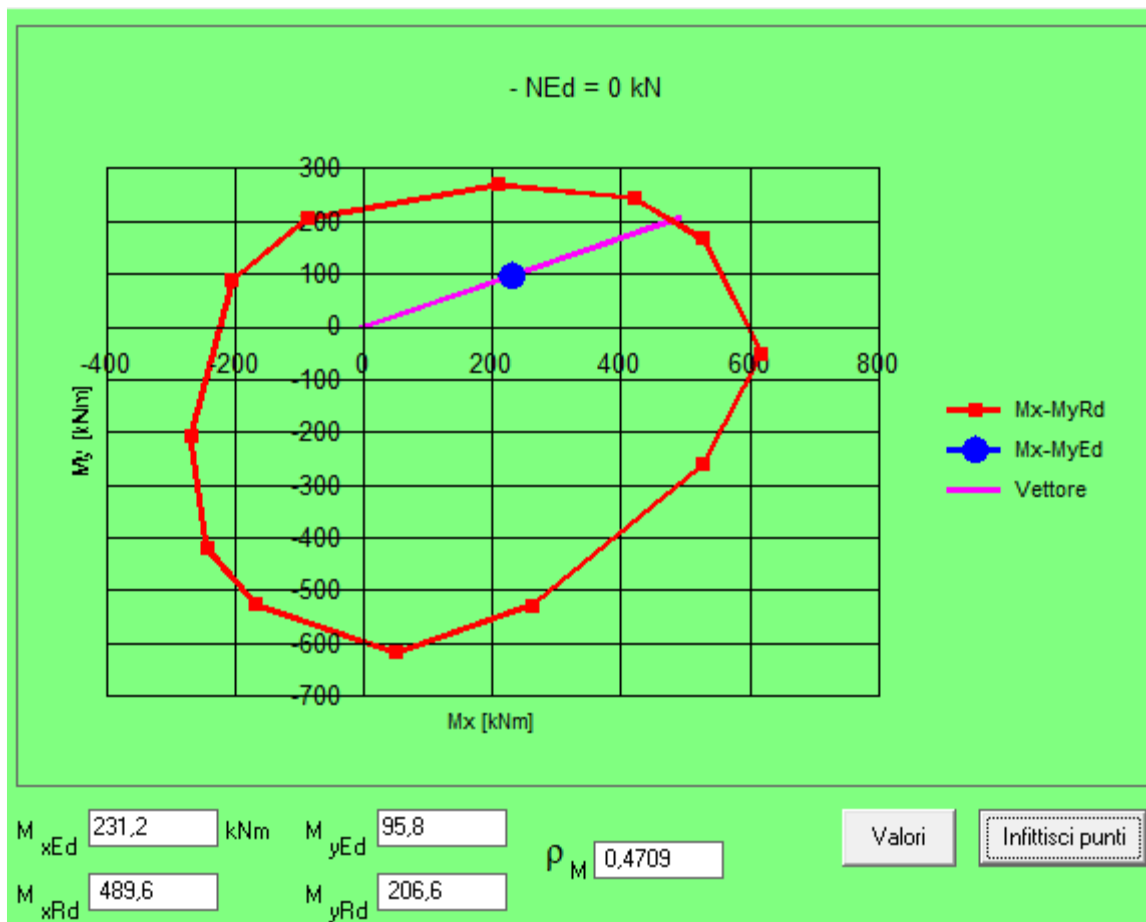
REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

Secțiunea 3

	T	int.	α	Mx	My
	kPa	m	°	KN*m	KN*m
Nivel II	399,9	1,3	22,5	120,1	49,7
Nivel I	343,4	1,3	22,5	103,1	42,7

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

Caratteristiche		
Materiale		
C 25/30		
fcd	Mpa	14,17
B450C		
fyd	MPa	391
Sección		
b	cm	60
h	cm	70
As	cm ²	21.24
A's	cm ²	21.24
c	cm	5
d	cm	65
Msd _x	kN*m	231.2
Msd _y	kN*m	95.8



REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

Armare de forfecare

Caracteristici		
Materiale		
C 25/30		
fcd	Mpa	14,17
B450C		
fyd	MPa	391
Secțiune		
b	cm	60
h	cm	70
As	cm ²	21.24
A's	cm ²	21.24
c	cm	5
d	cm	65
Tsd	kN*m	385
Ast	cm ² /m	11.31
ctgθ =		2,5
θ	(°)	20.4
V _{Rsd}	kN	880,96
V _{Rcd}	kN	996,21
VRdu	kN	880,96

5.3.5 Proiectarea ancorelor

În lucrarea prezentă, pentru a defini o metodă de proiectare pentru fundația ancorei, a fost luată în considerare metoda propusă de Bustamante și Doix (1985). Rezistența laterală S este determinată prin:

$$S = \pi \cdot ds \cdot Ls \cdot s$$

unde ds este diametrul echivalent al fundației ancorei, Ls este lungimea zonei injectate, și s este rezistența tangențială la interfața dintre zona injectată și solul înconjurător. În ecuațiile anterioare s-a asumat $ds = \alpha \cdot d$, unde d este diametrul perforației și α este un coeficient de creștere. Valorile rezistenței tangențiale pe suprafața unitară s corespund interfeței dintre zona injectată și sol depind atât de natura și caracteristicile solului cât și de tehnologia utilizată și pot fi ușor evaluate prin diagramele corespunzătoare raportate de Bustamante și Doix (1985).

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

Secțiunea 1

Parametru	Simbol	U.m.	Nivel IV	Nivel III	Nivel II	Nivel I
			-12 m	-8 m	-4 m	-0,5 m
Rezistența caracteristică la rupere prin întindere	f _{ptk}	N/mm	1860	1860	1860	1860
Limita de curgere la 0.1 % elongație	f _{p1k}	N/mm	1670	1670	1670	1670
Număr de toroane din sârmă	n	-	6	6	6	6
Suprafața unitară a toronului din sârmă	A _t	mm ²	140	140	140	140
Suprafața totală a toroanelor din sârmă	A	mm ²	840	840	840	840
Diametrul găurii de foraj	D _p	m	0,2	0,2	0,2	0,2
Unghiul	θ	°	22,5	22,5	22,5	22,5
Coeficientul lui Bustamante și Doix	α		1,2	1,2	1,2	1,2
Rezistență tangențială per suprafață unitară (q _s)	q _s	kPa	130	130	130	130
Distanțarea ancorelor	s	m	1,3	1,3	1,3	1,3
Sarcina care acționează pe ancoră (combinația STR)	T _k	kN	664	770	480	319
Sarcina care acționează pe ancoră (combinația GEO)	T _k	kN	467	572	353	236
Lungimea zonei injectate	L _{ck}	m	9,3	10,8	6,7	4,5
Înălțimea zidului sprijinit pe piloni	h _{pw}	m	28,0	28,0	28,0	28,0
Altitudinea ancorei	h _a	m	12,0	8,0	4,0	0,5
Lungimea liberă	L _f	m	9	10,8	13,0	14,9
Lungimea totală a ancorei	L _t	m	18,0	21,6	19,7	19,4
Tensiunea inițială a ancorei	T _i	KN	390	390	195	195
Rezistența caracteristică de rupere la întindere a unei singure ancore	R _k	kN	1562	1562	1562	1562
Rezistența extremă de rupere la întindere a unei singure ancore	R _d	kN	1420	1420	1420	1420

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Secțiunea 2

Parametru	Simbol	U.m.	Nivel III	Nivel II	Nivel I
			-8 m	-4 m	-0,5 m
Rezistența caracteristică la rupere prin întindere	f _{ptk}	N/mm	1860	1860	1860
Limita de curgere la 0.1 % elongație	f _{p1k}	N/mm	1670	1670	1670
Număr de toroane din sârmă	n	-	6	6	6
Suprafața unitară a toronului din sârmă	A _t	mm ²	140	140	140
Suprafața totală a toroanelor din sârmă	A	mm ²	840	840	840
Diametrul găurii de foraj	D _p	m	0,2	0,2	0,2
Unghiul	θ	°	22,5	22,5	22,5
Coeficientul lui Bustamante și Doix	α		1,2	1,2	1,2
Rezistență tangențială per suprafață unitară (q _s)	q _s	kPa	130	130	130
Distanțarea ancorelor	s	m	1,3	1,3	1,3
Sarcina care acționează pe ancoră (combinația STR)	T _k	kN	650	441	337
Sarcina care acționează pe ancoră (combinația GEO)	T _k	kN	490	334	251
Lungimea zonei injectate	L _{ck}	m	9,1	6,2	4,7
Înălțimea zidului sprijinit pe piloni	h _{pw}	m	25,0	25,0	25,0
Altitudinea ancorei	h _a	m	8,0	4,0	0,5
Lungimea liberă	L _f	m	9,2	11,4	13,3
Lungimea totală a ancorei	L _t	m	18,3	17,6	18,0
Tensiunea inițială a ancorei	T _i	KN	390	195	195
Rezistența caracteristică de rupere la întindere a unei singure ancore	R _k	kN	1562	1562	1562
Rezistența extremă de rupere la întindere a unei singure ancore	R _d	kN	1420	1420	1420

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Secțiunea 3

Parametru	Simbol	U.m.	Nivel II	Nivel I
			-4 m	-0,5 m
Rezistența caracteristică la rupere prin întindere	f _{ptk}	N/mm ²	1860	1860
Limita de curgere la 0.1 % elongație	f _{p1k}	N/mm ²	1670	1670
Număr de toroane din sârmă	n	-	6	6
Suprafața unitară a toronului din sârmă	A _t	mm ²	140	140
Suprafața totală a toroanelor din sârmă	A	mm ²	840	840
Diametrul găurii de foraj	D _p	m	0,2	0,2
Unghiul	θ	°	22,5	22,5
Coeficientul lui Bustamante și Doix	α		1,2	1,2
Rezistență tangențială per suprafață unitară (q _s)	q _s	kPa	130	130
Distanțarea ancorelor	s	m	1,3	1,3
Sarcina care acționează pe ancoră (combinația STR)	T _k	kN	400	343
Sarcina care acționează pe ancoră (combinația GEO)	T _k	kN	300	257
Lungimea zonei injectate	L _{ck}	m	5,6	4,8
Înălțimea zidului sprijinit pe piloni	h _{pw}	m	25,0	25,0
Altitudinea ancorei	h _a	m	4,0	0,5
Lungimea liberă	L _f	m	11,4	13,3
Lungimea totală a ancorei	L _t	m	17,0	18,1
Tensiunea inițială a ancorei	T _i	KN	195	195
Rezistența caracteristică de rupere la întindere a unei singure ancore	R _k	kN	1562	1562
Rezistența extremă de rupere la întindere a unei singure ancore	R _d	kN	1420	1420

6 CRITERIILE DE PROIECTARE ȘI ANALIZA STRUCTURILOR PERMANENTE

6.1 Descrierea structurilor permanente pentru intrarea tunelului

Structurile permanente pentru intrarea tunelului de pe latura Racos sunt descrise după cum urmează:

	LATURA RACOS	
	CANAL	TUNEL ARTIFICIAL
	L (m)	L (m)
LINIA 1 HOMOROD	15,00	104,59
LINIA 2 HOMOROD	15,00	74,60

Structurile permanente sunt construite după executarea unei excavații sprijinită de zidul de reazem pe piloni și apoi acestea vor fi acoperite de excavarea solului.

6.2 Criteriile de proiectare

Tunelul artificial a fost verificat în secțiunea cu solul maxim de acoperire. Rezultatele acestei analize au fost extinse la portalul de intrare a tunelului.

Calcululele au fost făcute cu programul FEM versiunea Nelineară 14.2 SAP 2000, distribuită de Computers and Structures, Inc., iar verificările au fost efectuate la ULS și SLS.

În continuare, sunt explicate criteriile pentru determinarea cazurilor de sarcini și verificarea așteptată de la Eurocod 2.

6.3 Cazurile de sarcină

6.3.1. Sarcini verticale

Sarcinile verticale luate în considerare în analize sunt:

- Greutatea proprie a căptușelii;
- Solul acoperitor.

Greutatea volumetrică a betonului, conform EN 1991-1-1, se presupune egală cu 24 kN/m³ și 25 kN/m³ pentru beton nearamat și respectiv armat.

Sarcina verticală datorată solului acoperitor este calculată prin ecuația următoare:

$$P_v = \gamma H$$

unde:

γ = greutatea specifică totală;

H = adâncimea solului acoperitor (raportată la coronament).

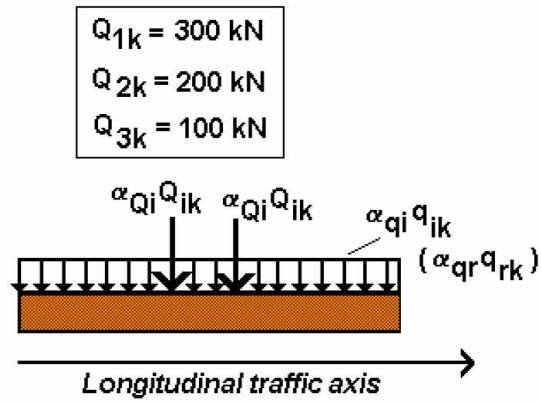
6.3.2. Sarcinile de trafic

Sarcinile caracteristice sunt prevăzute pentru determinarea efectelor traficului rutier asociate cu verificările stărilor limite extreme și verificările de deservire particulară.

Modele de sarcină pentru sarcinile verticale reprezintă următoarele efecte asupra traficului:

- Model sarcină 1 (MS1) : Sarcini concentrate și distribuite uniform, ce acoperă majoritatea efectelor de trafic al camioanelor și mașinilor. Acest model trebuie utilizat pentru verificări generale și locale.

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Classes	α_{Q1}	$\alpha_{Qi} \quad i \geq 2$	α_{q1}	$\alpha_{qi} \quad i \geq 2$	α_{qr}
1 st class	1	1	1	1	1
2 nd class	0,9	0,8	0,7	1	1

6.3.3. Sarcini orizontale

Sarcinile orizontale P_h , care acționează pe termen lung și sunt variabile în funcție de adâncimi, sunt estimate după cum urmează:

$$P_h = K P_v + K \gamma z$$

unde:

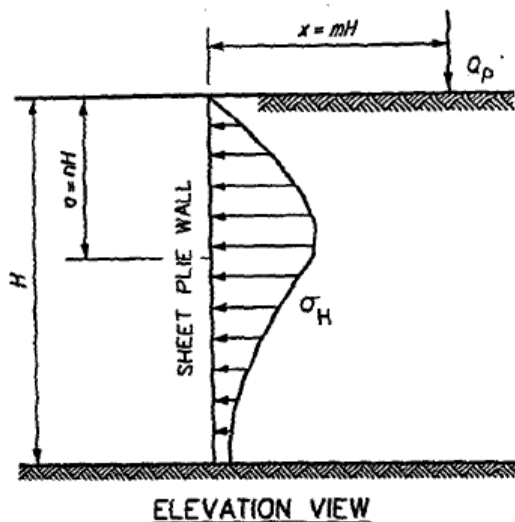
g = greutatea volumetrică;

K = coeficientul de presiune a pământului;

z = înălțimea totală a tunelului.

Dacă tunelul se confruntă cu un strat de apă, se va lua în considerare presiunea hidrostatică prin evaluarea presiunilor efective ale solului, în plus față de cea hidrostatică.

6.3.4. Presiune medie datorată sarcinii verticale



$$\sigma_H = 0.28 \frac{q_p}{H^2} \cdot \frac{n^2}{(0.16 + n^2)^3} \text{ (FOR } m \leq 0.4 \text{)}$$

$$\sigma_H = 1.77 \frac{q_p}{H^2} \cdot \frac{m^2 n^2}{(m^2 + n^2)^3} \text{ (FOR } m > 0.4 \text{)}$$

a. Vertical variation of pressures

6.3.5. Sarcini seismice

Efectele seismice asupra tunelului căptușit artificial sunt introduce în calcul prin analiza statică echivalentă:

- $a_g = 0,16g$
- categoria de sol: C
- $S = 1,50$; $ST = 1,0$
- Coeficientul seismic orizontal (k_h) este
$$k_h = S \times ST \times a_g / g = 1,50 \times 1,0 \times 0,16 = 0,24$$

Punctul de aplicare trebuie să fie luat la jumătatea laturii verticale a pilonului stâng și drept.

În plus față de împingerea terenului, tunelul este supusă la forțele de inerție:

$$F_i = k_h \times W$$

unde W sunt greutatea cu sarcinile lor uzate și permanente.

Aceste sarcini sunt aplicate pe o direcție sau alta în funcție de situația solicitărilor pentru mai multă structură.

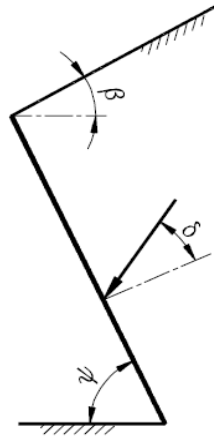
6.3.6. Presiunile seismice ale pământului (Mononobe–Okabe)

Aceasta a fost o extindere a metodei Coulomb în cazul static pentru determinarea presiunilor pământului luând în considerare echilibrul prisme triunghiulare de alunecare. Metoda este acum cunoscută în mod obișnuit ca și metoda Mononobe– Okabe. Pentru a calcula presiunea activă și pasivă a pământului prin forțele pseudostatice precum forțele seismice ce acționează în solul de umplutură fără coeziune, în analiză a fost asumată suprafața planară de rupere. Presiunea seismică activă și pasivă a pământului (P_{ae} , P_{pe}) poate fi calculată prin ecuația Mononobe–Okabe după cum urmează:

$$P_{ae}, P_{pe} = \frac{1}{2} \gamma H^2 (1 - kv) K$$

Presiune activă a pământului:

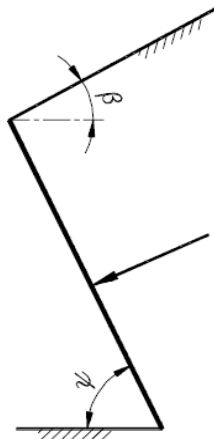
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$$\beta \leq \phi - \theta: \quad K = \frac{\text{sen}^2 (\psi + \phi - \theta)}{\cos \theta \text{sen}^2 \psi \text{sen} (\psi - \theta - \delta) \left[1 + \sqrt{\frac{\text{sen} (\phi + \delta) \text{sen} (\phi - \beta - \theta)}{\text{sen} (\psi - \theta - \delta) \text{sen} (\psi + \beta)}} \right]^2}$$

$$\beta > \phi - \theta: \quad K = \frac{\text{sen}^2 (\psi + \phi - \theta)}{\cos \theta \text{sen}^2 \psi \text{sen} (\psi - \theta - \delta)}$$

Presiunea pasivă a pământului:



$$K = \frac{\text{sen}^2 (\psi + \theta - \phi)}{\cos \theta \text{sen}^2 \psi \text{sen} (\psi + \theta) \left[1 - \sqrt{\frac{\text{sen} \phi \text{sen} (\phi + \beta - \theta)}{\text{sen} (\psi + \beta) \text{sen} (\psi + \theta)}} \right]^2}$$

$$\tan \vartheta = \frac{k_h}{1 \mp k_v}$$

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unde

γ = greutatea specifică a solului;

H = înălțimea verticală a zidului;

K = coeficientul de presiune seismică activă și pasivă a pământului;

ϕ = unghiul de frecare a solului;

δ = unghiul de frecare a zidului;

β = înclinarea zidului față de verticală;

i = înclinarea terenului față de orizontală;

kh = coeficientul de accelerație seismică în direcție orizontală; kv = coeficientul de accelerație seismică în direcție verticală.

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6.4 Caracterizarea materialului și criteriul de verificare

6.4.1 Starea limită extremă

Valorile de proiectare ale cazurilor de sarcină se găsesc prin aplicarea coeficientului prezentat în tabelul următor, în conformitate cu EN 1990:2002 (E): Baza proiectării structurale

Table A1.2(B) - Design values of actions (STR/GEO) (Set B)

Persistent and transient design situations	Permanent actions		Leading variable action	Accompanying variable actions (*)		Persistent and transient design situations	Permanent actions		Leading variable action (*)	Accompanying variable actions (*)	
	Unfavourable	Favourable		Main (if any)	Others		Unfavourable	Favourable		Action	Main
(Eq. 6.10)	$\gamma_{Gj,sup} G_{kj,sup}$	$\gamma_{Gj,inf} G_{kj,inf}$	$\gamma_{Q,1} Q_{k,1}$		$\gamma_{Q,i} \psi_{0,i} Q_{k,i}$	(Eq. 6.10a)	$\gamma_{Gj,sup} G_{kj,sup}$	$\gamma_{Gj,inf} G_{kj,inf}$		$\gamma_{Q,1} \psi_{0,1} Q_{k,1}$	$\gamma_{Q,i} \psi_{0,i} Q_{k,i}$
						(Eq. 6.10b)	$\xi \gamma_{Gj,sup} G_{kj,sup}$	$\gamma_{Gj,inf} G_{kj,inf}$	$\gamma_{Q,1} Q_{k,1}$		$\gamma_{Q,i} \psi_{0,i} Q_{k,i}$

(*) Variable actions are those considered in Table A1.1

NOTE 1 The choice between 6.10, or 6.10a and 6.10b will be in the National annex. In case of 6.10a and 6.10b, the National annex may in addition modify 6.10a to include permanent actions only.

NOTE 2 The γ and ξ values may be set by the National annex. The following values for γ and ξ are recommended when using expressions 6.10, or 6.10a and 6.10b.
 $\gamma_{Gj,sup} = 1,35$
 $\gamma_{Gj,inf} = 1,00$
 $\gamma_{Q,1} = 1,50$ where unfavourable (0 where favourable)
 $\gamma_{Q,i} = 1,50$ where unfavourable (0 where favourable)
 $\xi = 0,85$ (so that $\xi \gamma_{Gj,sup} = 0,85 \times 1,35 \cong 1,15$).
 See also EN 1991 to EN 1999 for γ values to be used for imposed deformations.

NOTE 3 The characteristic values of all permanent actions from one source are multiplied by $\gamma_{G,sup}$ if the total resulting action effect is unfavourable and $\gamma_{G,inf}$ if the total resulting action effect is favourable. For example, all actions originating from the self weight of the structure may be considered as coming from one source ; this also applies if different materials are involved.

NOTE 4 For particular verifications, the values for γ_G and γ_Q may be subdivided into γ_g and γ_q and the model uncertainty factor $\gamma_{\delta,i}$. A value of $\gamma_{\delta,i}$ in the range 1,05 to 1,15 can be used in most common cases and can be modified in the National annex.

Verificările sunt efectuate pentru repetarea forțelor axiale de încovoiere (domeniul M-N) și a forțelor de forfecare. Diagrama parabolă-rectangulară de tensiune-deformație se presupune că descrie comportarea betonului ($\epsilon_2 = 0,2\%$ și $\epsilon_{cu} = 0,35\%$), plastică perfect elastică pentru armăturile din oțel ($\epsilon_{yd} = 0,186\%$ și $\epsilon_{su} = 1\%$). Rezistența betonului la tensiune a fost asumată ca fiind egală cu zero

6.4.2 Starea limită de deservire

Acțiunile de proiectare pentru starea limită de deservire sunt obținute aplicând coeficientul unitar la cazurile de sarcină persistentă. Pentru cazurile de sarcină accidentală sunt incluși coeficienții ψ_i , în conformitate cu Eurocod, pentru combinațiile frecvente și cvasi-permanente.

Verificarea diferitelor stări limită de deservire este efectuată ca limitare a tensiunilor și a lățimii crăpăturilor.

În conformitate cu EN 1992-1-1, conform condițiilor de sarcini de serviciu, este cerută limitarea eforturilor pentru:

- Eforturile de compresie în beton;
- Eforturile de întindere în oțel.

Eforturile de compresie în beton trebuie să fie mai mici de $k_2 f_{ck}$ ($k_2=0,45$), în timp ce tensiunea în barele de oțel poate fi $k_3 f_{yk}$ ($k_3=0,8$).

Starea limită de verificare a crăpăturilor presupune că trebuie să fie respectată următoarea verificare:

$$w_k \leq w_{lim}$$

Unde w_k denotă lățimea caracteristică a crăpăturii calculată așa cum se explică în EN 1992-1-1 paragraf 7.3.4 și fiind egală cu 0,3 mm.

Verificarea este efectuată asumând următorii parametri:

- $k_1=0,4$
- $k_2=0,8$
- $k_3=0,5$
- $f_{ctm}=3,2$ MPa

6.5 Metoda de calcul

A fost asumată metoda de reacție hiperstatică pentru a stabili acțiunile interne în căptușeala de beton prin modelul numeric de element finit monodimensional. Modelul a fost creat pentru a reprezenta o adâncime unitară (1,0 m) de tunel, precizând geometria secțiunii la elementele de grindă. Pentru a simula corect repetarea de structură-sol, pentru fiecare nod al modelului de element finit, se precizează suportii radiali de rigidizare. Valoarea de rigiditate se determină din modulul K de reacție a solului.

La radierul tunelului, K a fost calculat prin formula lui Galerkin pentru suprafață curbilinie după cum urmează:

$$K = E / [Req \times (1+\nu)] [F/L^3]$$

cu:

E = modulul de elasticitate a solului;

ν = coeficientul Poisson al solului;

Req = raza echivalentă de curbură a tunelului.

La piloni, K a fost calculat cu formula Bussinesque pentru suprafață liniară după cum urmează:

$$K = E / [(1+\nu^2) \times B \times Cd] [F/L^3]$$

E = modulul de elasticitate a solului;

ν = coeficientul Poisson al solului;

B = lățimea elementului structural.

Cd= coeficient de formă

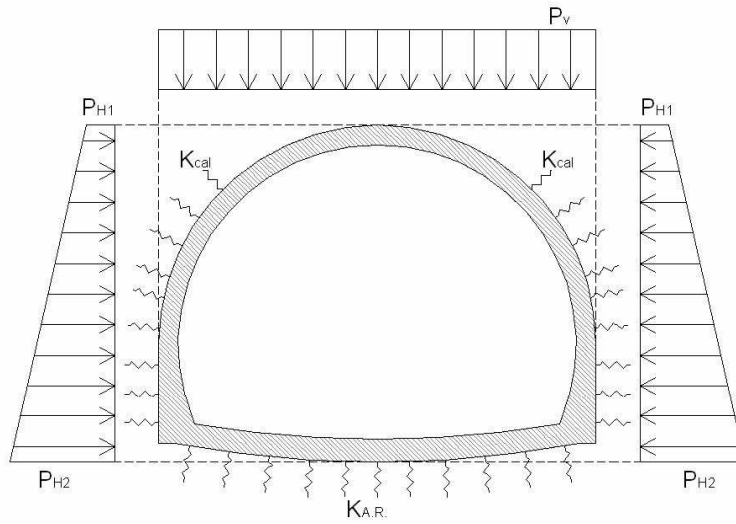
6.6 Cazuri analizate

În secțiunea tipică există o sarcină verticală uniformă și sarcini orizontale simetrice, toate definite ca permanente în conformitate cu Eurocod. Comportarea mecanică a solului este reprezentată prin suportții radiali, activi numai la compresie.

Tabelele următoare prezintă valorile sarcinilor și parametrilor folosiți în calcul:

USL			
Descriere	Simbol	U.M.	Valoare
Greutatea specifică a solului	γ	kN/m ³	21
Raza tunelului	R	m	5,1
Modulul de elasticitate a solului	Ed	kN/m ²	30000
Formula de rigiditate a lui Galerkin	Ka.r.	kN/m ³	4525
Formula de rigiditate a lui Boussinesque	Kcal	kN/m ³	13187
Presiunea activă a pământului (Caquot și Kerisel)	ka	-	0,44
Accelerația	a/g	-	0,16
Coeficient care ia în considerare aspectele stratigrafice și topografice	S	-	1,50
Coeficient seismic orizontal	kh	-	0,240
Coeficient seismic vertical	kv	-	0,120
Presiunea dinamică a pământului (Mononobe și Okabe)	kas	-	0,60

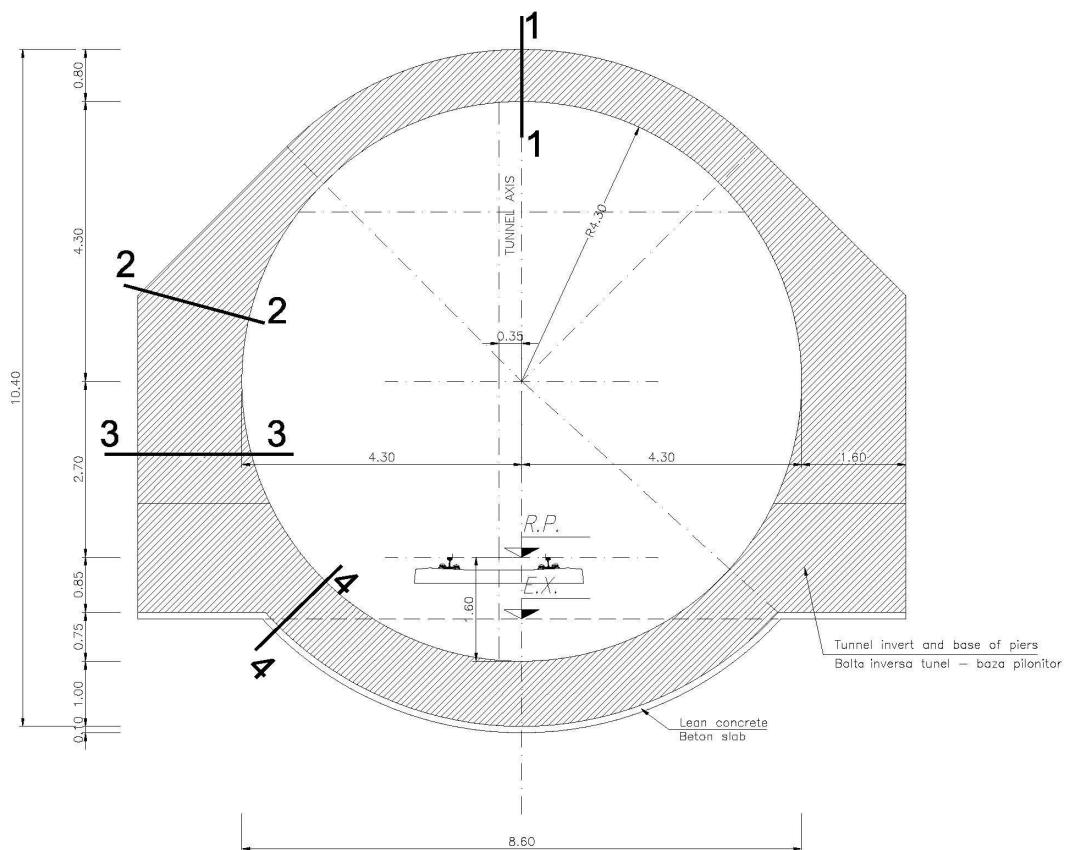
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P_v	P_{vw}	$Ph1$	$Ph2$	$Phw1$	$phw2$	ΔS
kPa	kPa	kPa	kPa	kPa	kPa	kPa
63	20	27,72	114,576	20	94	24

6.7 Rezultatele analizei

A fost realizat un model de element finit pentru determinarea momentului de încovoiere și forța axială și de forfecare care acționează în diferite secțiuni ale studiului de caz. Modelul a fost creat în conformitate cu geometria secțiunii cu elemente de grindă. Condițiile de graniță au fost simulate cu suporturi de rigidizare radială așa cum s-a explicat în paragrafele anterioare. Rezultatele analizei de element finit sunt expuse pentru fiecare stare limită luată în considerare (extremă, seismică și de deservire). Rezultatele se referă la cazul de sarcină a înfășurătorii care limitează forța și momentul. În următoarele paragrafe sunt ilustrate cazurile cu rezultatul analizei și verificările pentru fiecare caz. Verificările sunt făcute în secțiunile indicate în figura de mai jos.

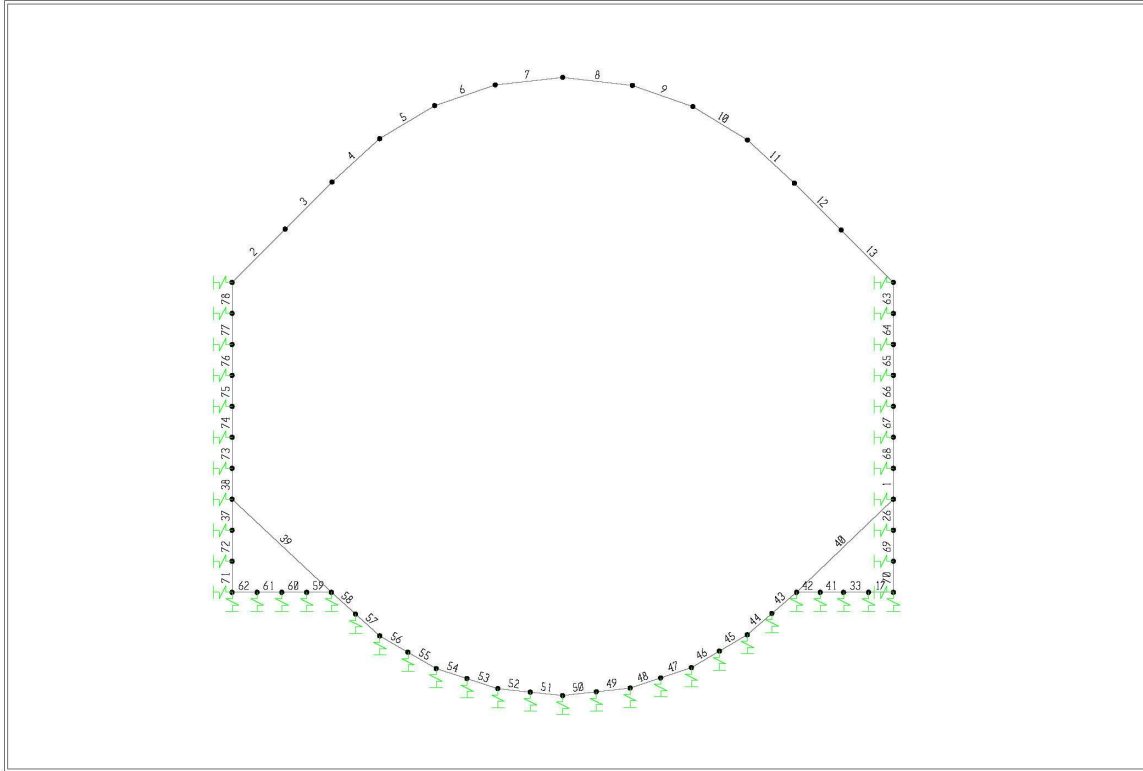


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STAREA LIMITĂ EXTREMĂ - STATICĂ

SAP2000

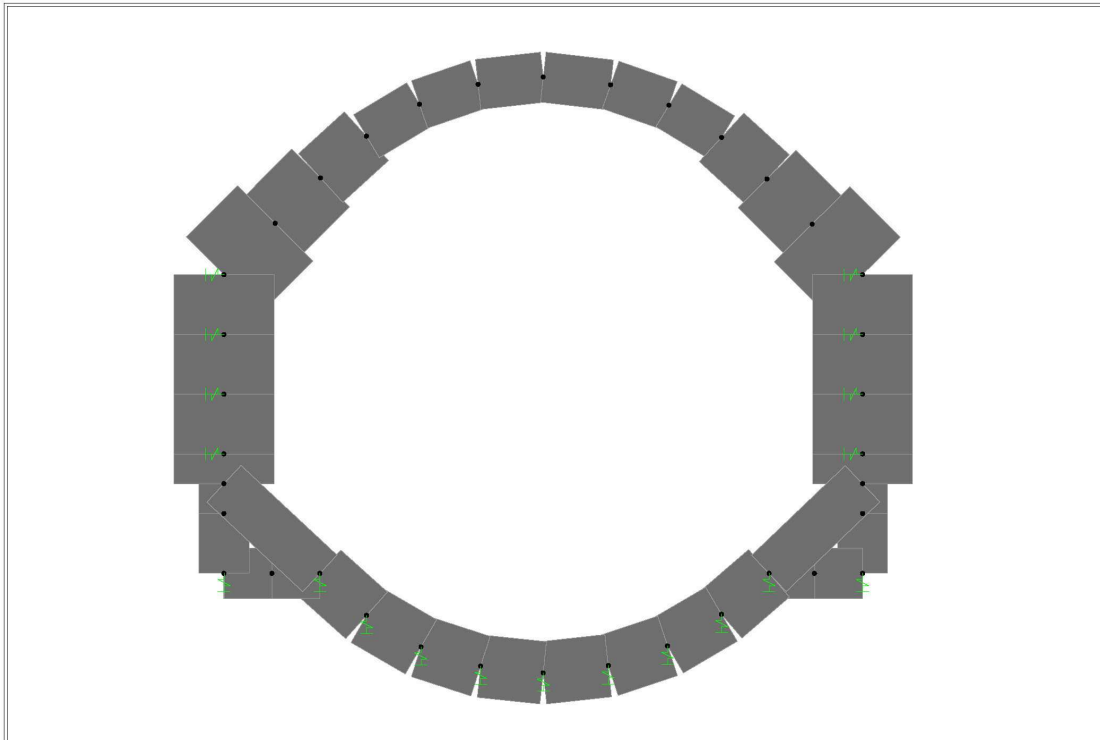
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SAP2000 v14.2.2 - File:Homorod_H2 Static - X-Z Plane @ Y=0 - KN, m, C Units

SAP2000

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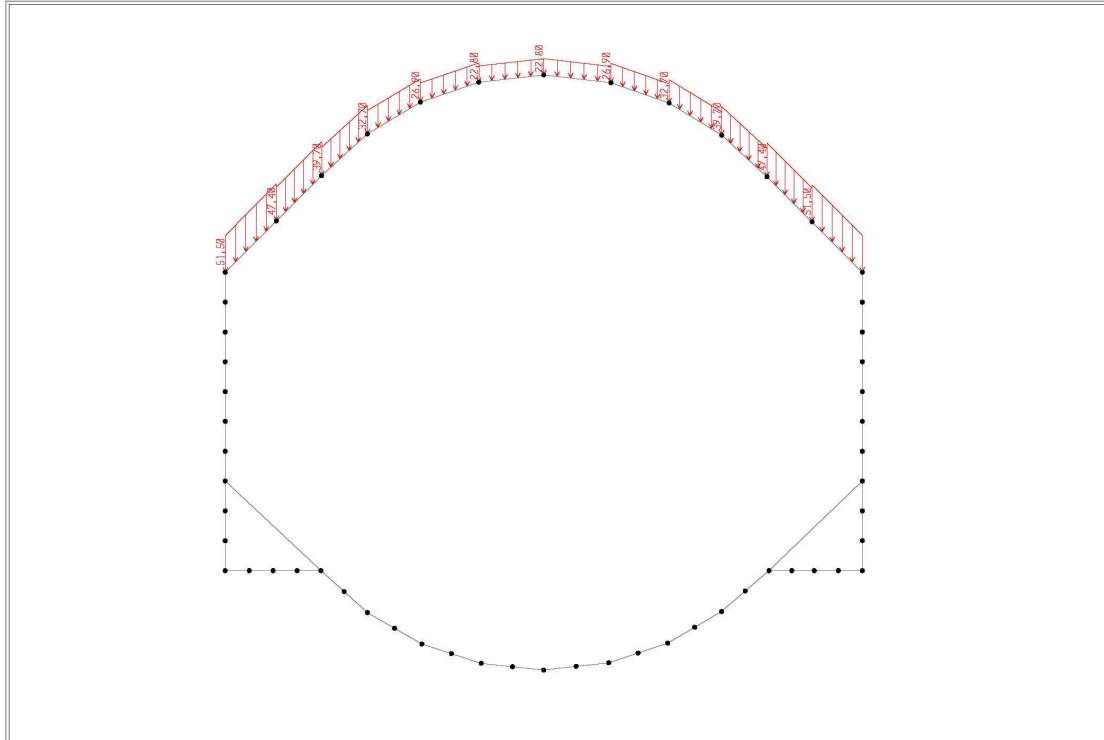


SAP2000 v14.2.2 - File:Homorod_H Static - X-Z Plane @ Y=0 - KN, m, C Units

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

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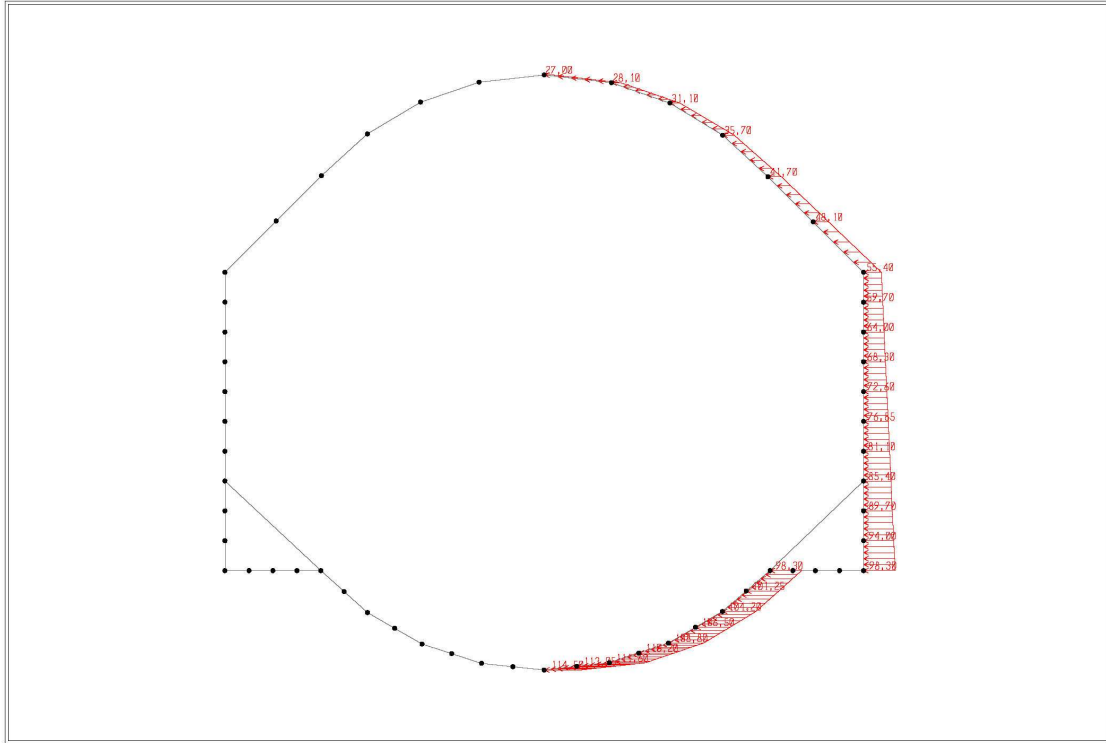


SAP2000 v14.2.2 - File:Homorod_H2 Static - Frame Span Loads (EARTH) (As Defined) - KN, m, C Units

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

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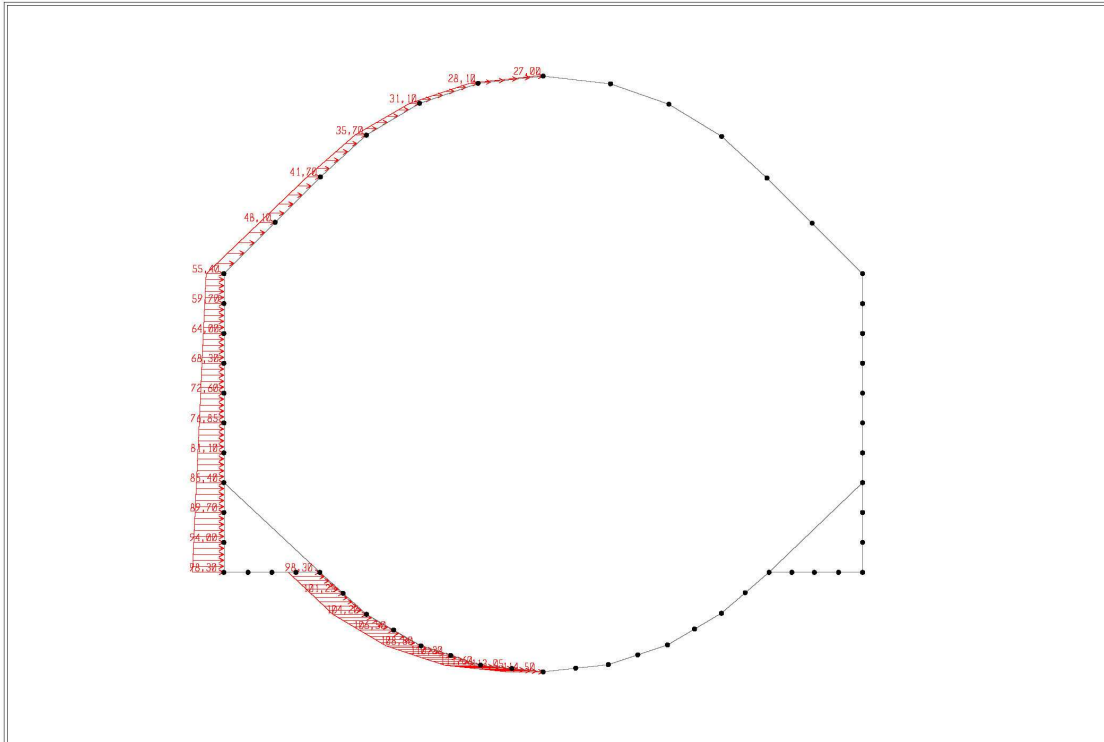
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SAP2000 v14.2.2 - File:Homorod_H2 Static - Frame Span Loads (EARTH_PRESSUREDX) (As Defined) - KN, m, C Units

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11/14/11 15:23:57

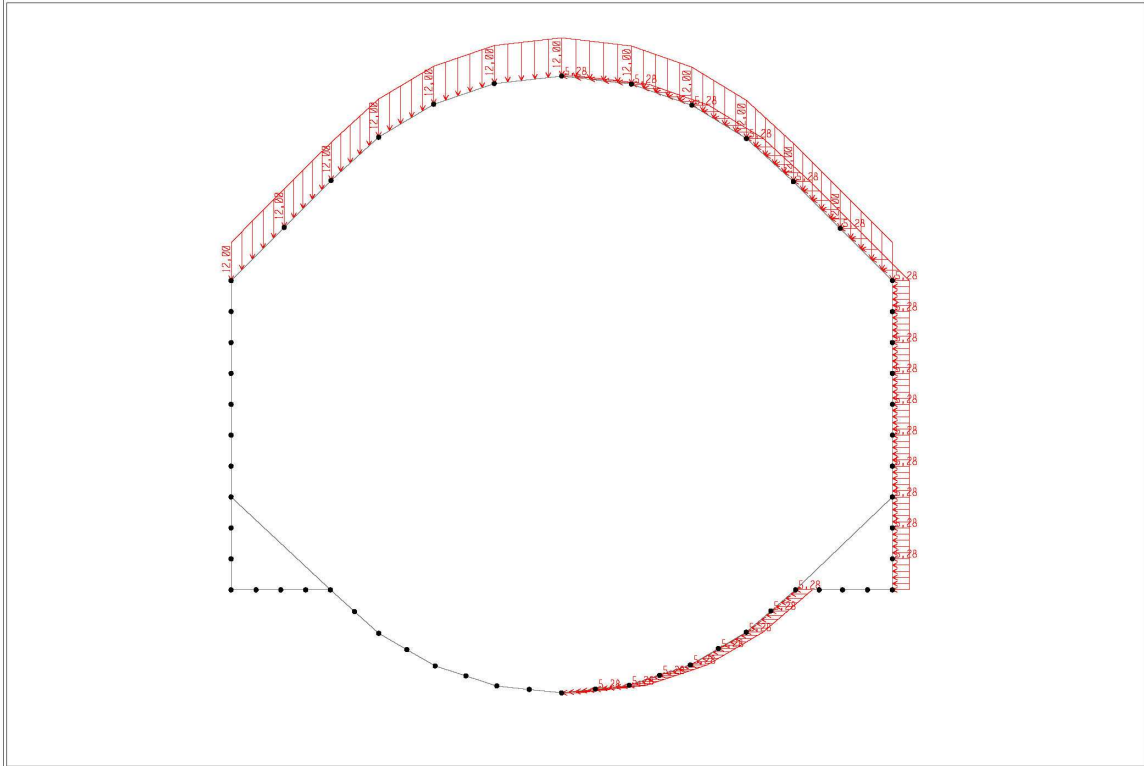


SAP2000 v14.2.2 - File:Homorod_H2 Static - Frame Span Loads (EARTH_PRESSURESX) (As Defined) - KN, m, C Units

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

SAP2000

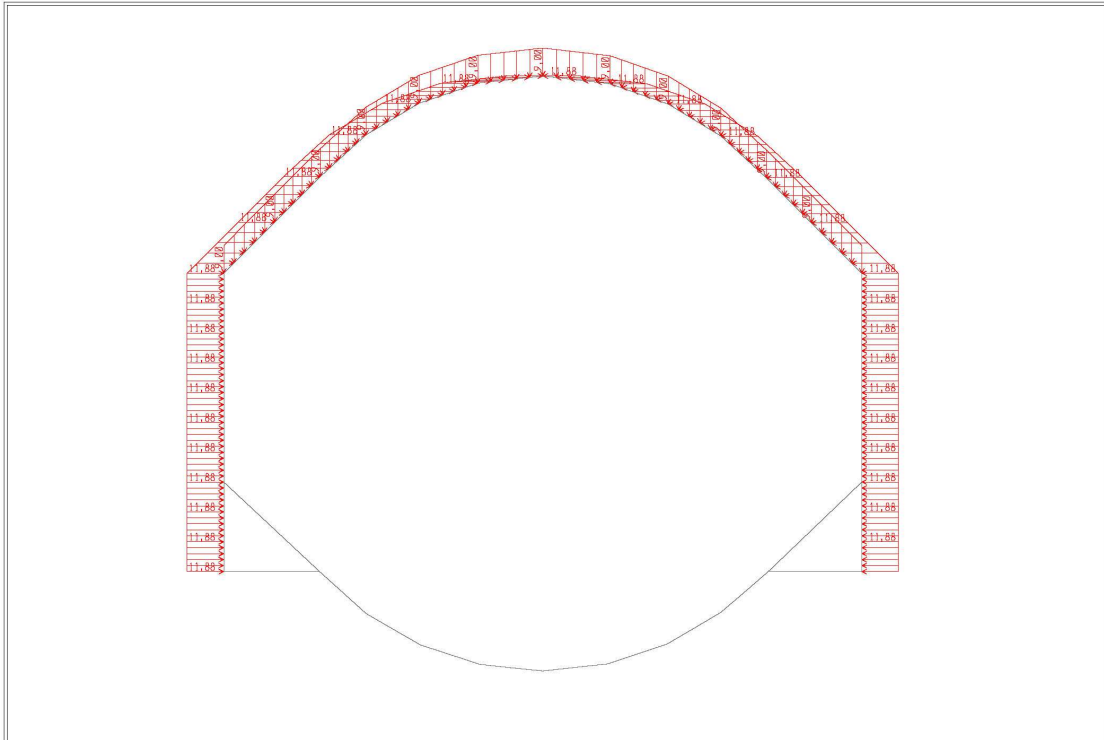
11/14/11 15:26:28



SAP2000 v14.2.2 - File:Homorod_H2 Static - Frame Span Loads (ROAD PAVEMENT) (As Defined) - KN, m, C Units

SAP2000

11/14/11 14:58:34

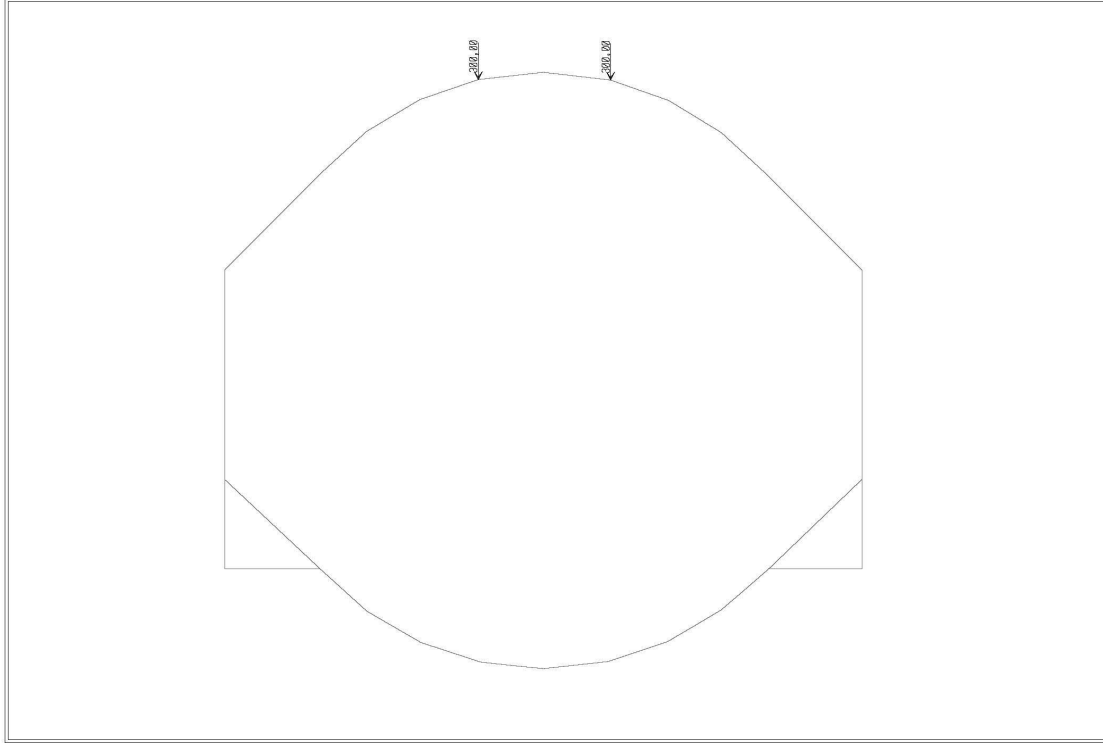


SAP2000 v14.2.2 - File:Homorod_H2 Static - Frame Distributed Loads (VARIABLE TRAFFIC LOADS) - KN, m, C Units

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

SAP2000

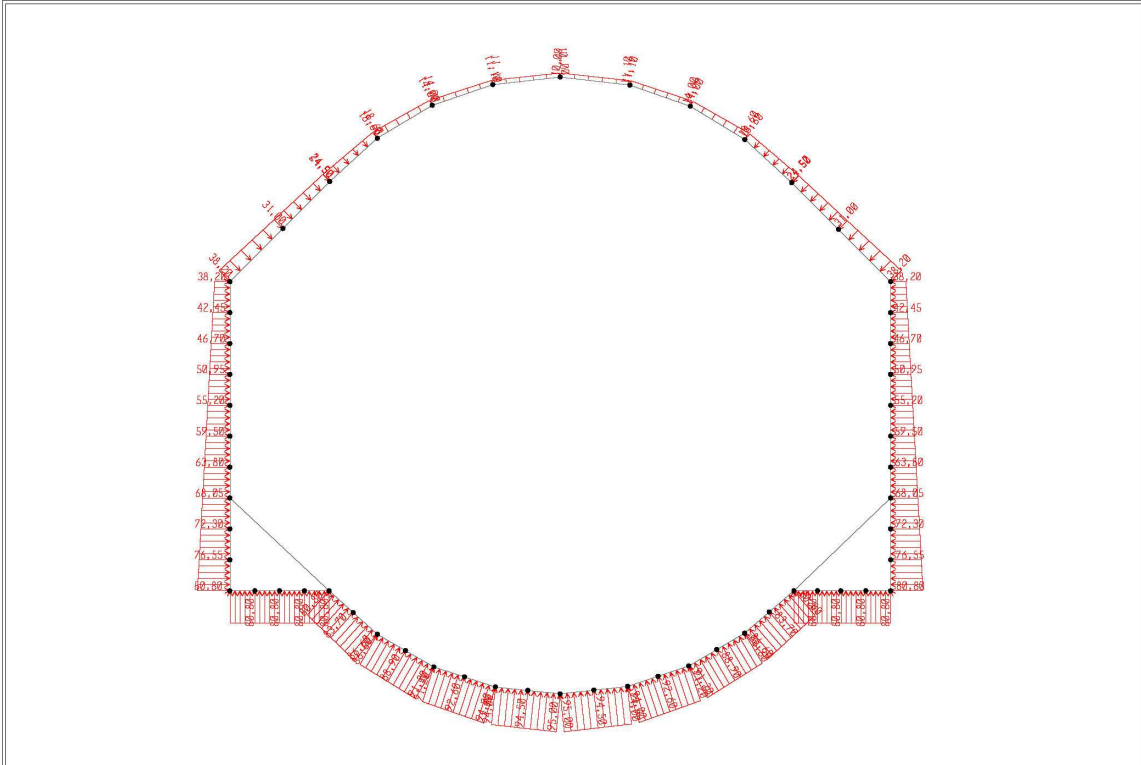
11/14/11 15:00:06



SAP2000 v14.2.2 - File:Homorod_H2 Static - Joint Loads (VARIABLE TRAFFIC LOADS2) (As Defined) - KN, m, C Units

SAP2000

11/14/11 15:39:25

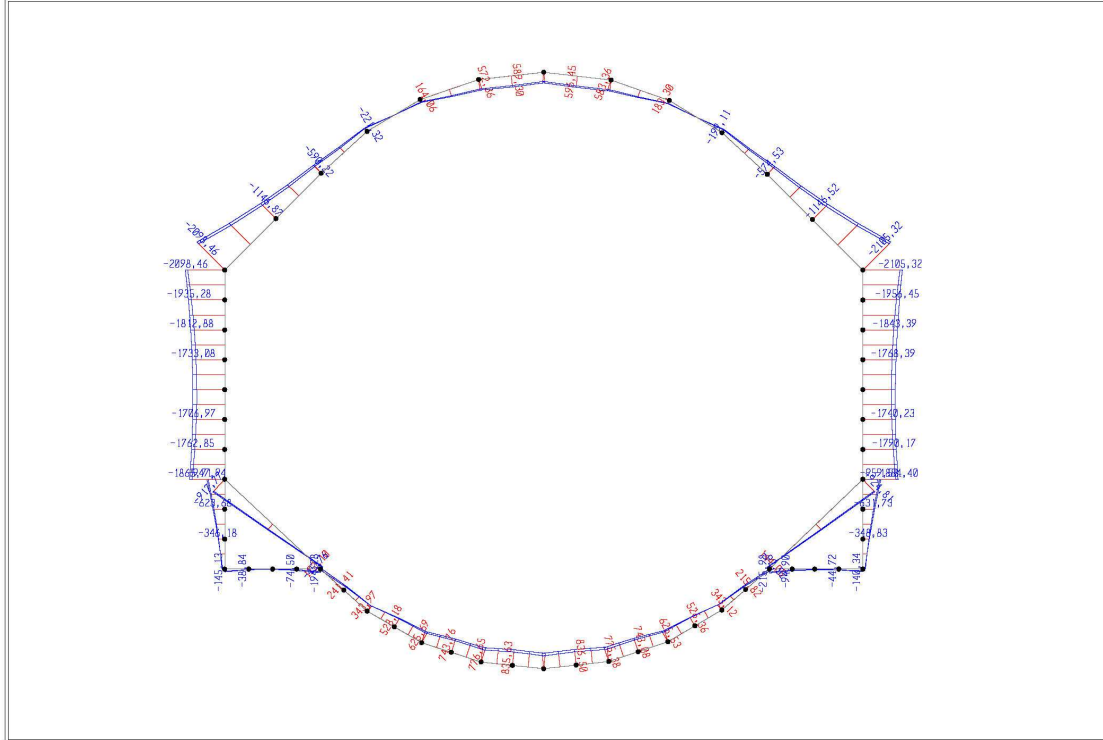


SAP2000 v14.2.2 - File:Homorod_H2 Static - Frame Span Loads (HYDROSTATIC) (As Defined) - KN, m, C Units

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

SAP2000

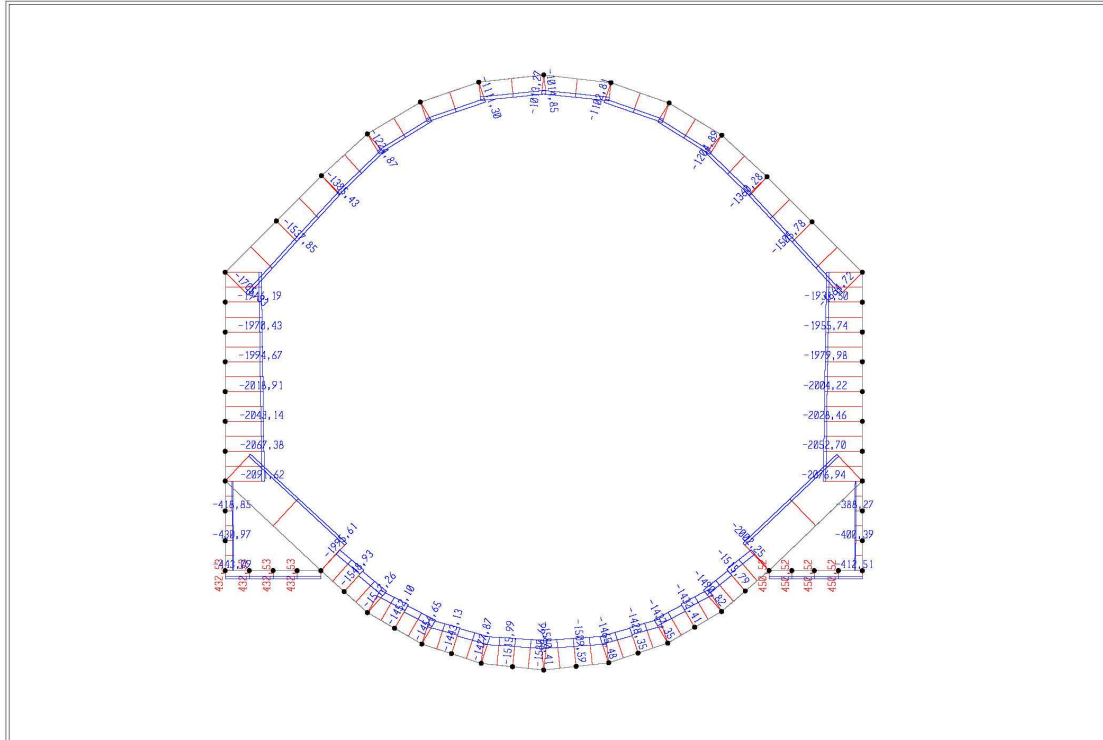
11/14/11 15:43:10



SAP2000 v14.2.2 - File:Homorod_H2 Static - Moment 3-3 Diagram (ENVELOPE_ULS) - KN, m, C Units

SAP2000

11/14/11 15:46:45



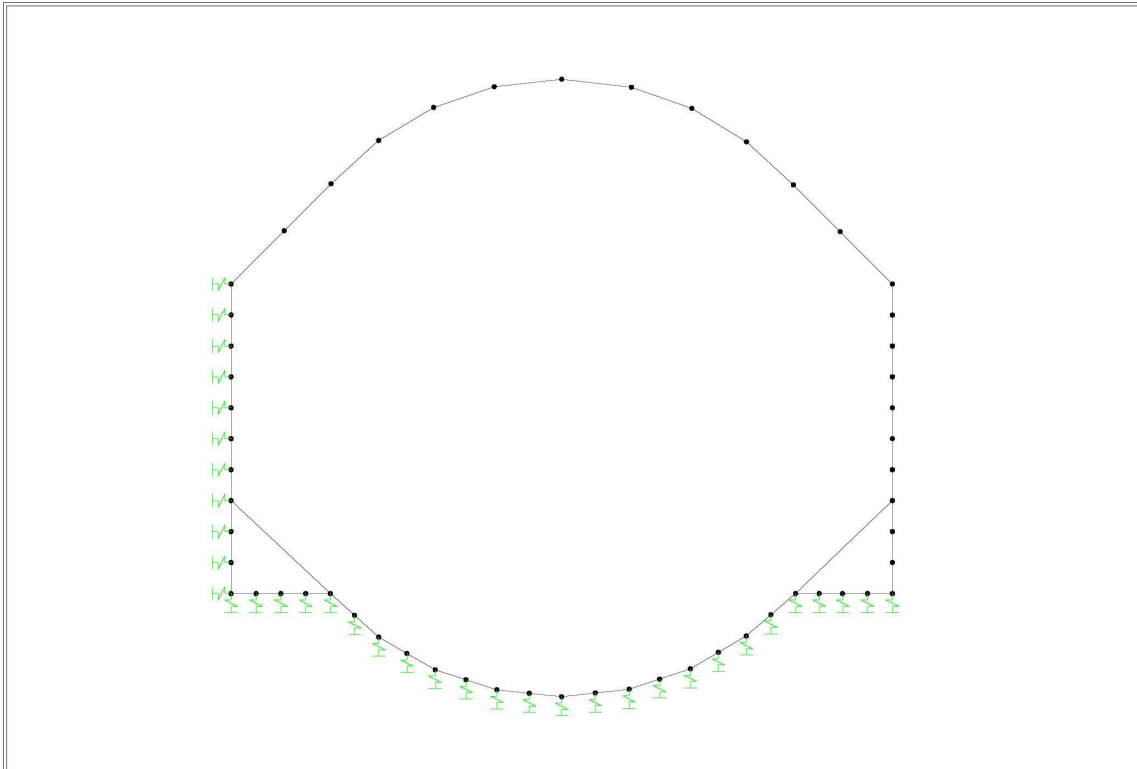
SAP2000 v14.2.2 - File:Homorod_H2 Static - Axial Force Diagram (ENVELOPE_ULS) - KN, m, C Units

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

STAREA LIMITĂ EXTREMĂ - SEISMICĂ

SAP2000

11/14/11 15:04:17

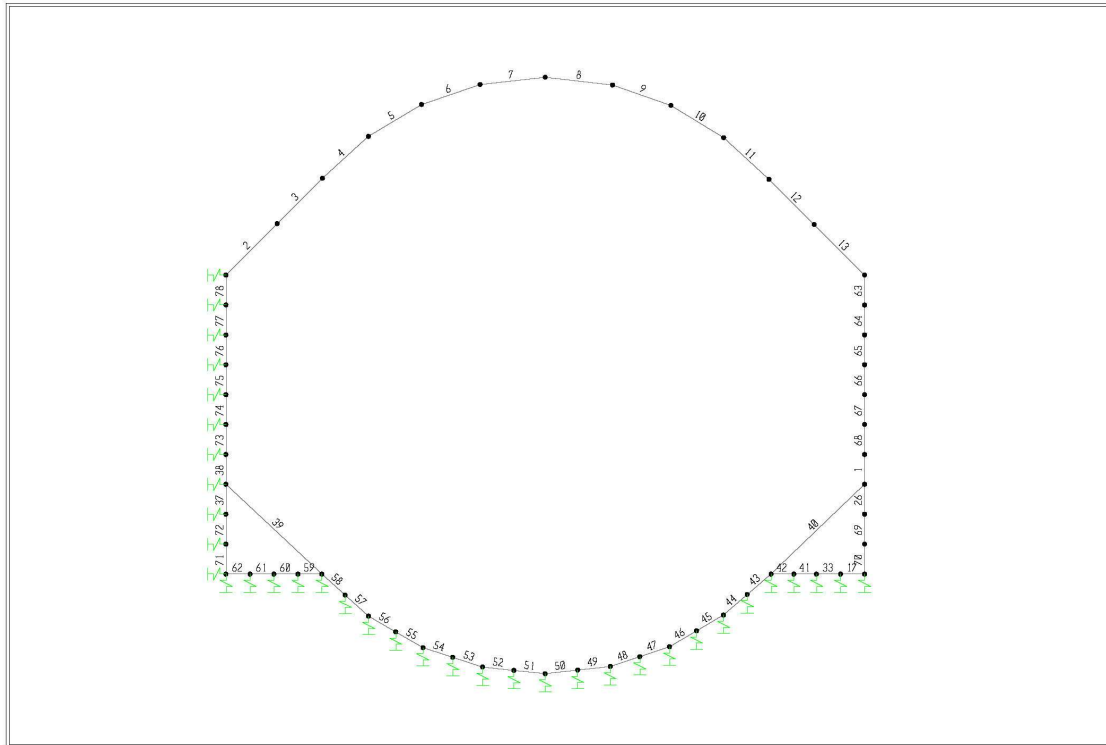


SAP2000 v14.2.2 - File:Homorod_H2 Seismic - X-Z Plane @ Y=0 - KN, m, C Units

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

SAP2000

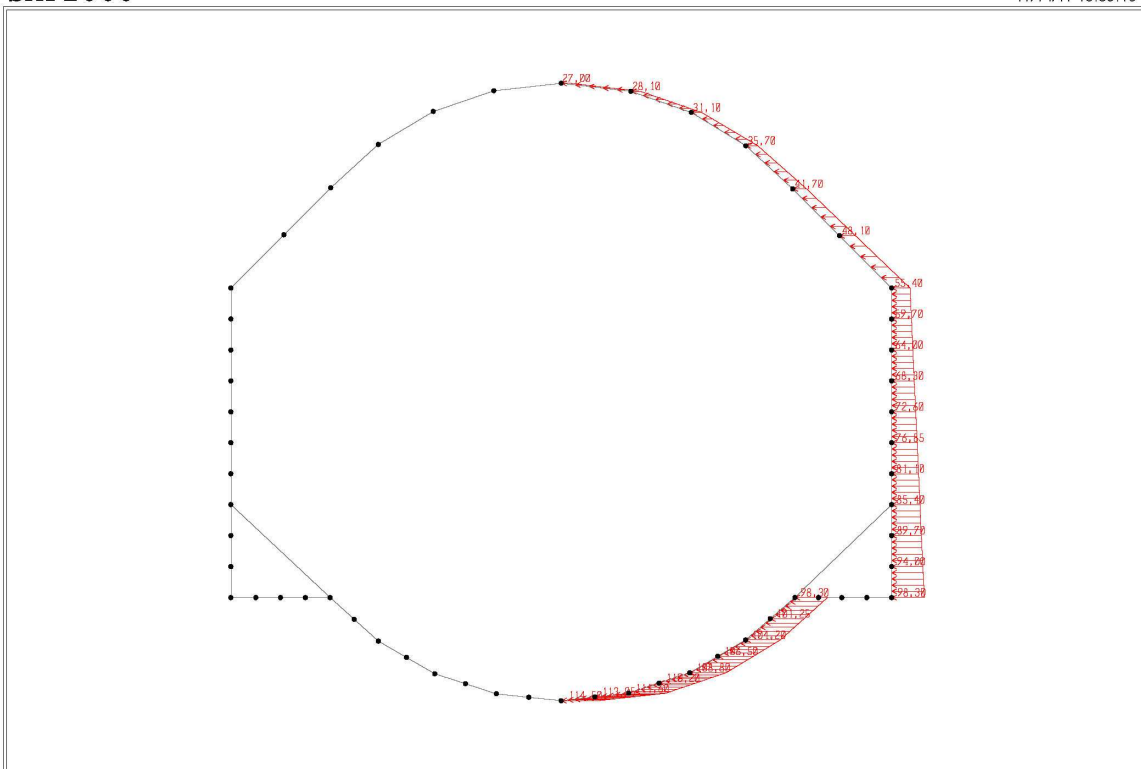
11/14/11 15:07:10



SAP2000 v14.2.2 - File:Homorod_H2 Seismic - X-Z Plane @ Y=0 - KN, m, C Units

SAP2000

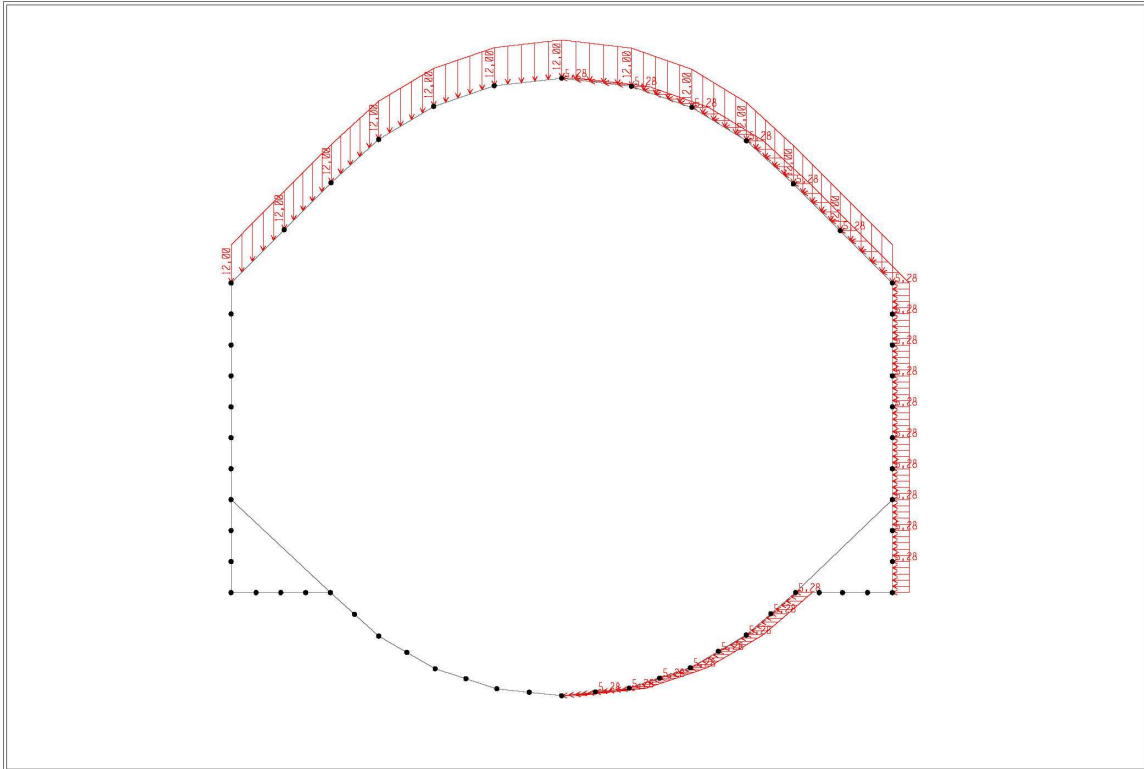
11/14/11 15:09:16



REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

SAP2000

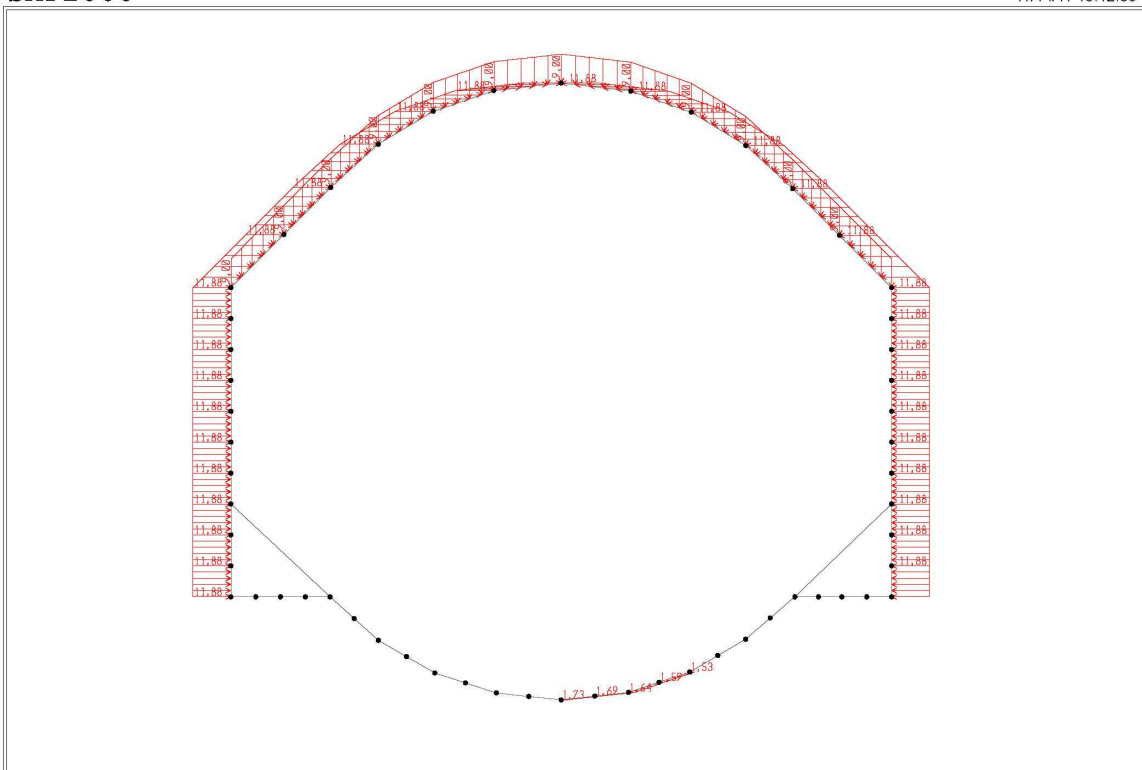
11/14/11 15:10:23



SAP2000 v14.2.2 - File:Homorod_H2 Seismic - Frame Span Loads (ROAD PAVEMENT) (As Defined) - KN, m, C Units

SAP2000

11/14/11 15:12:36

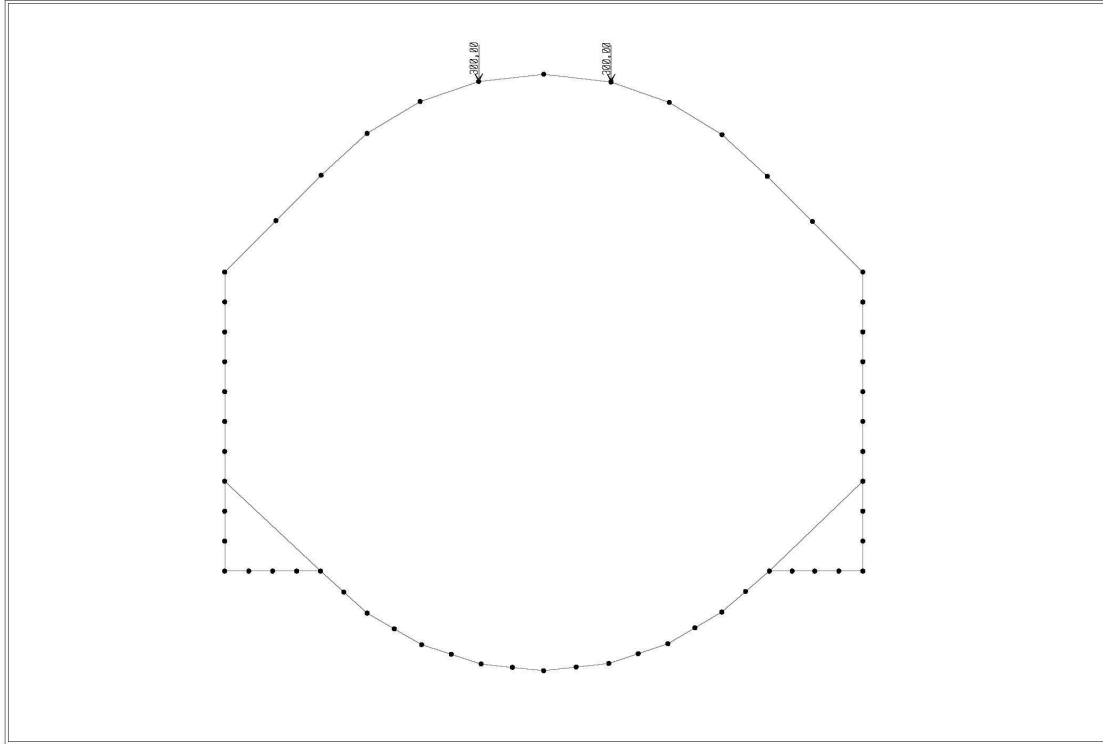


SAP2000 v14.2.2 - File:Homorod_H2 Seismic - Frame Span Loads (VARIABLE TRAFFIC LOADS) (As Defined) - KN, m, C Units

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

SAP2000

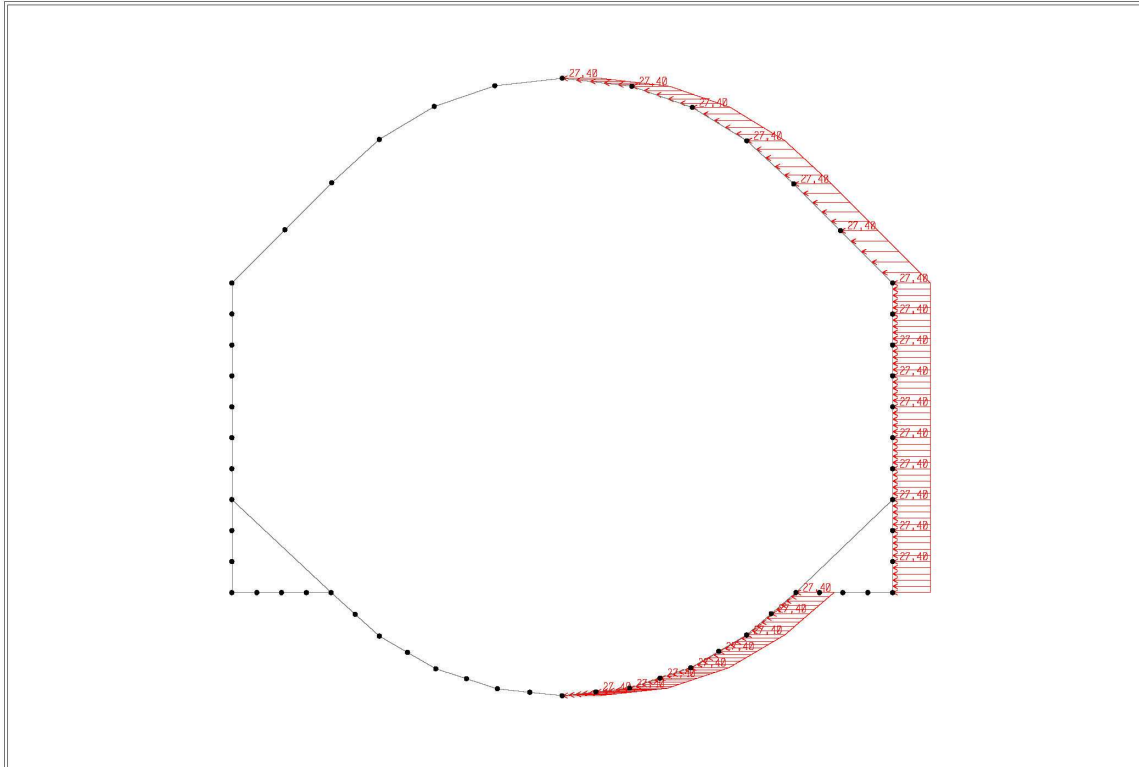
11/14/11 15:17:19



SAP2000 v14.2.2 - File:Homorod_H2 Seismic - Joint Loads (VARIABLE TRAFFIC LOADS2) (As Defined) - KN, m, C Units

SAP2000

11/14/11 15:29:39

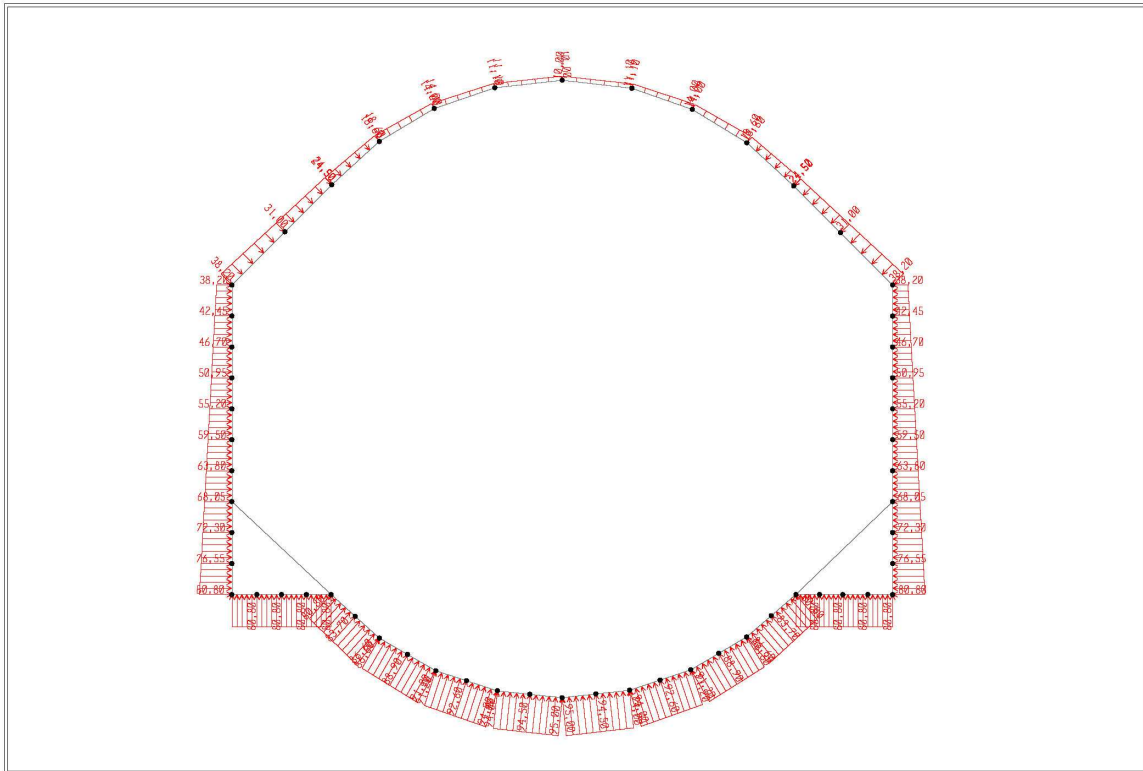


SAP2000 v14.2.2 - File:Homorod_H2 Seismic - Frame Span Loads (DINAMIC EARTH PRESSURE) (As Defined) - KN, m, C Units

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

SAP2000

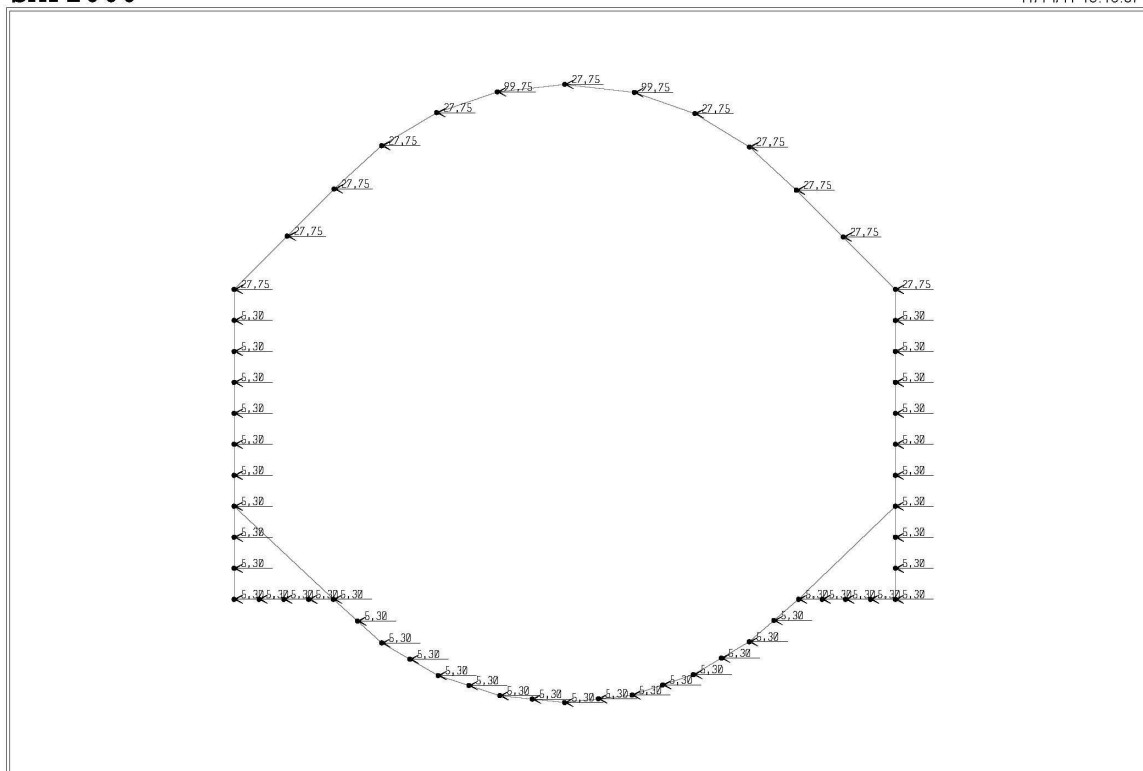
11/14/11 15:14:09



SAP2000 v14.2.2 - File:Homorod_H2 Seismic - Frame Span Loads (HYDROSTATIC) (As Defined) - KN, m, C Units

SAP2000

11/14/11 15:16:07

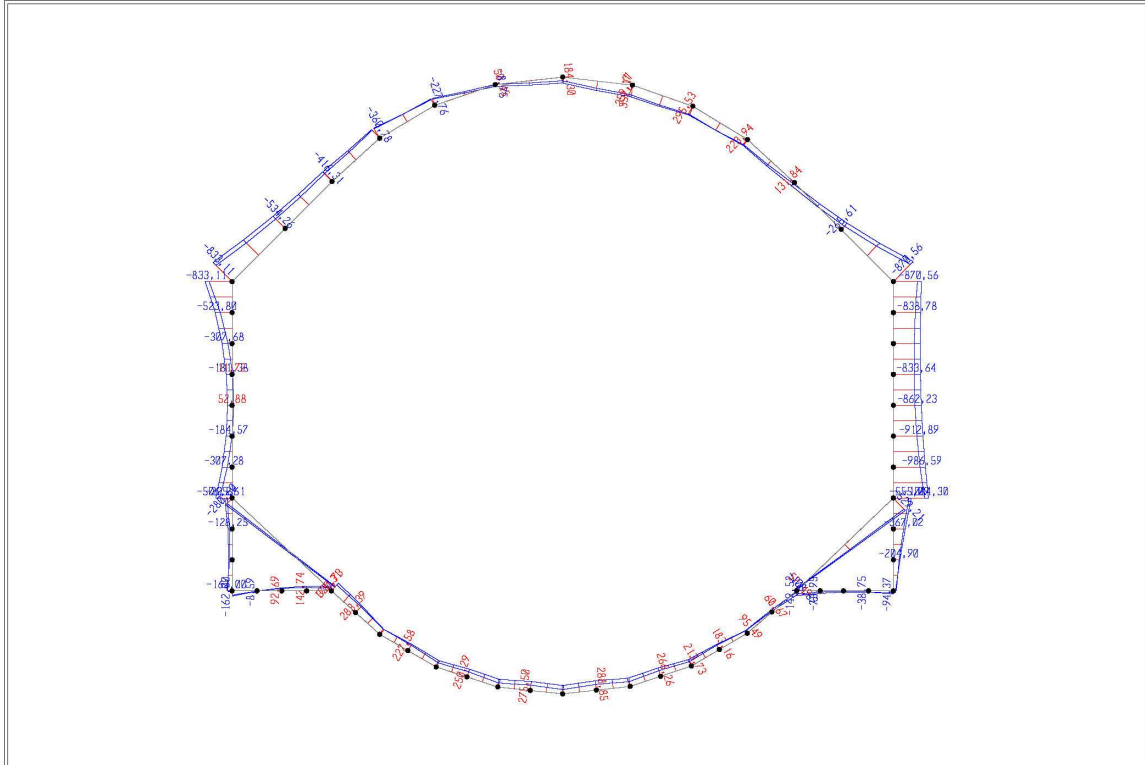


SAP2000 v14.2.2 - File:Homorod_H2 Seismic - Joint Loads (INERTIA) (As Defined) - KN, m, C Units

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

SAP2000

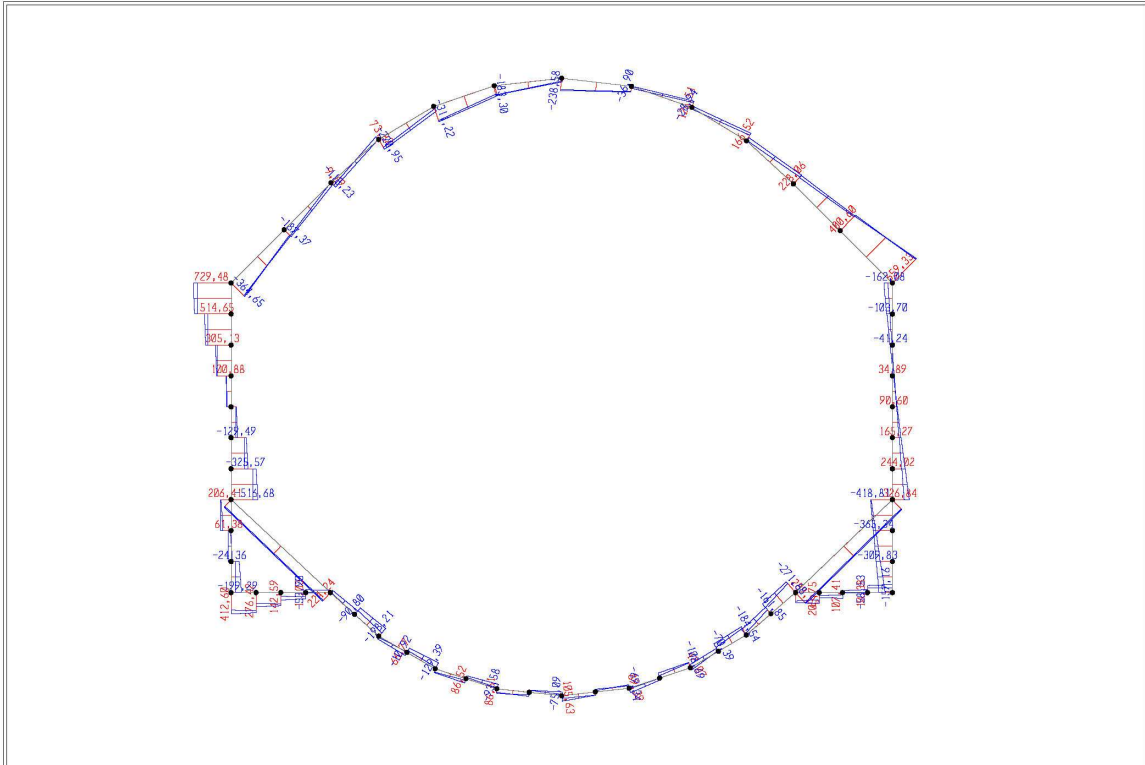
11/14/11 15:30:46



SAP2000 v14.2.2 - File:Homorod_H2 Seismic - Moment 3-3 Diagram (ENVELOPE_ULS) - KN, m, C Units

SAP2000

11/14/11 15:36:37

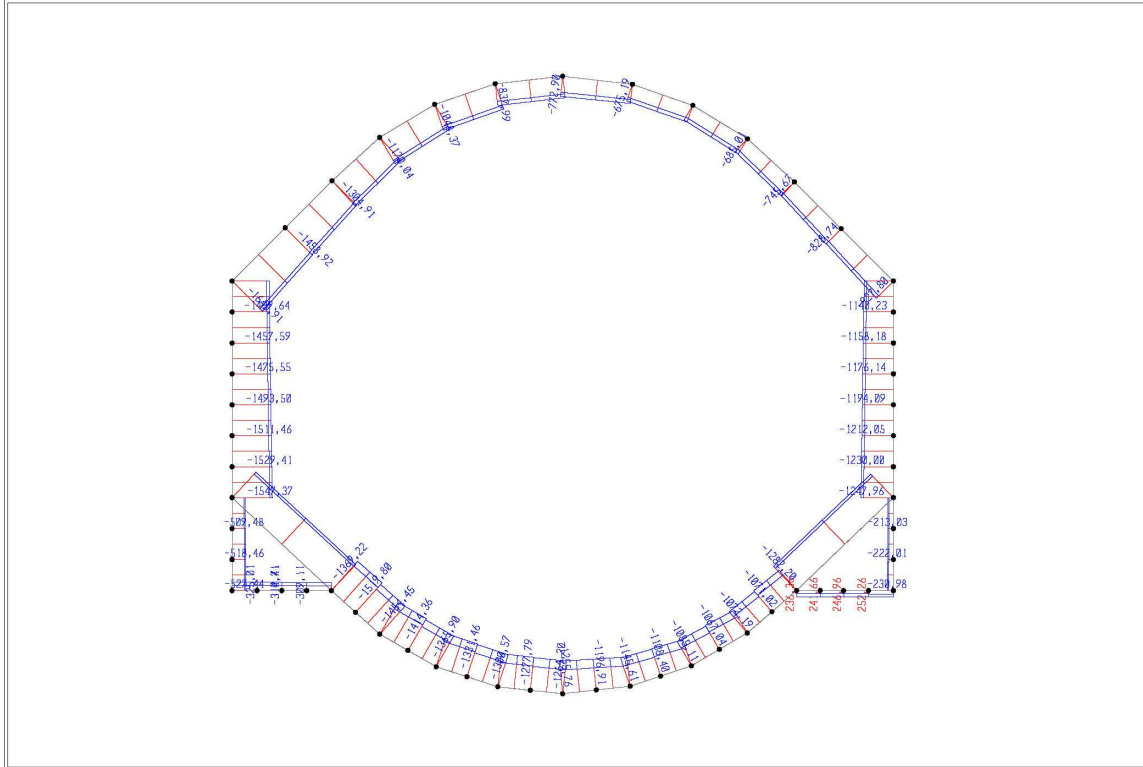


SAP2000 v14.2.2 - File:Homorod_H2 Seismic - Shear Force 2-2 Diagram (ENVELOPE_ULS) - KN, m, C Units

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

SAP2000

11/14/11 15:37:39



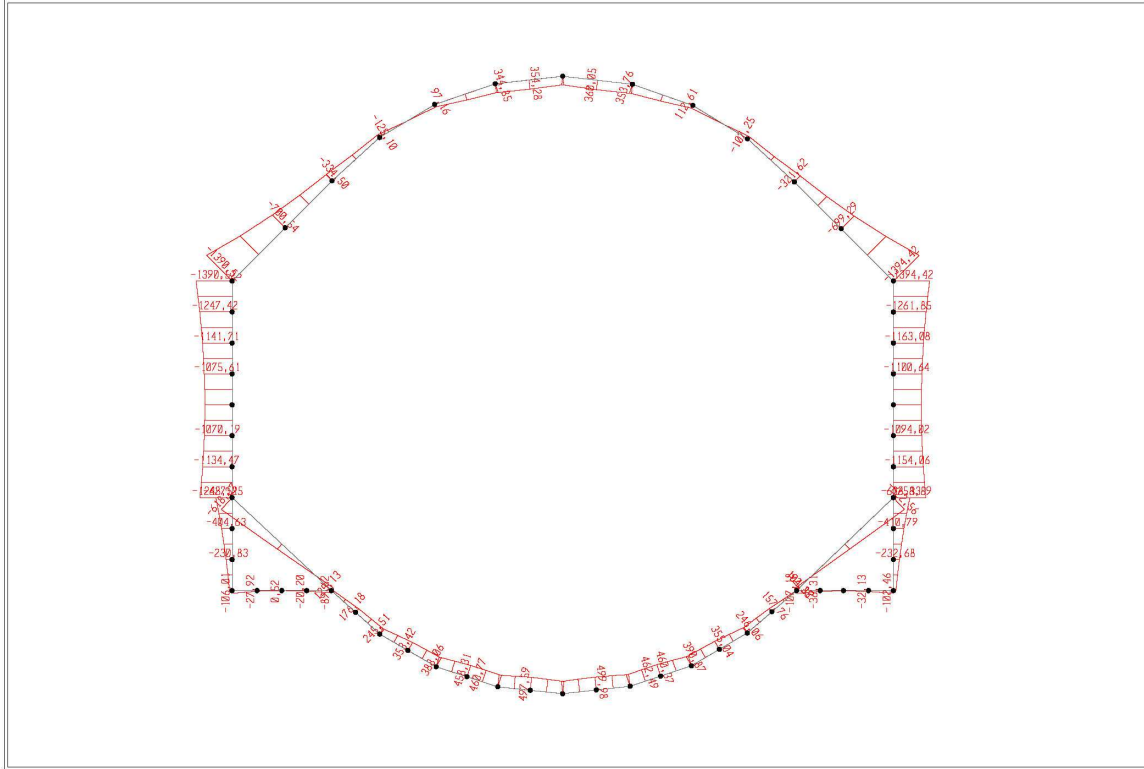
SAP2000 v14.2.2 - File:Homorod_H2 Seismic - Axial Force Diagram (ENVELOPE_ULS) - KN, m, C Units

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

STAREA LIMITĂ DE DESERVIRE

SAP2000

11/14/11 15:48:11

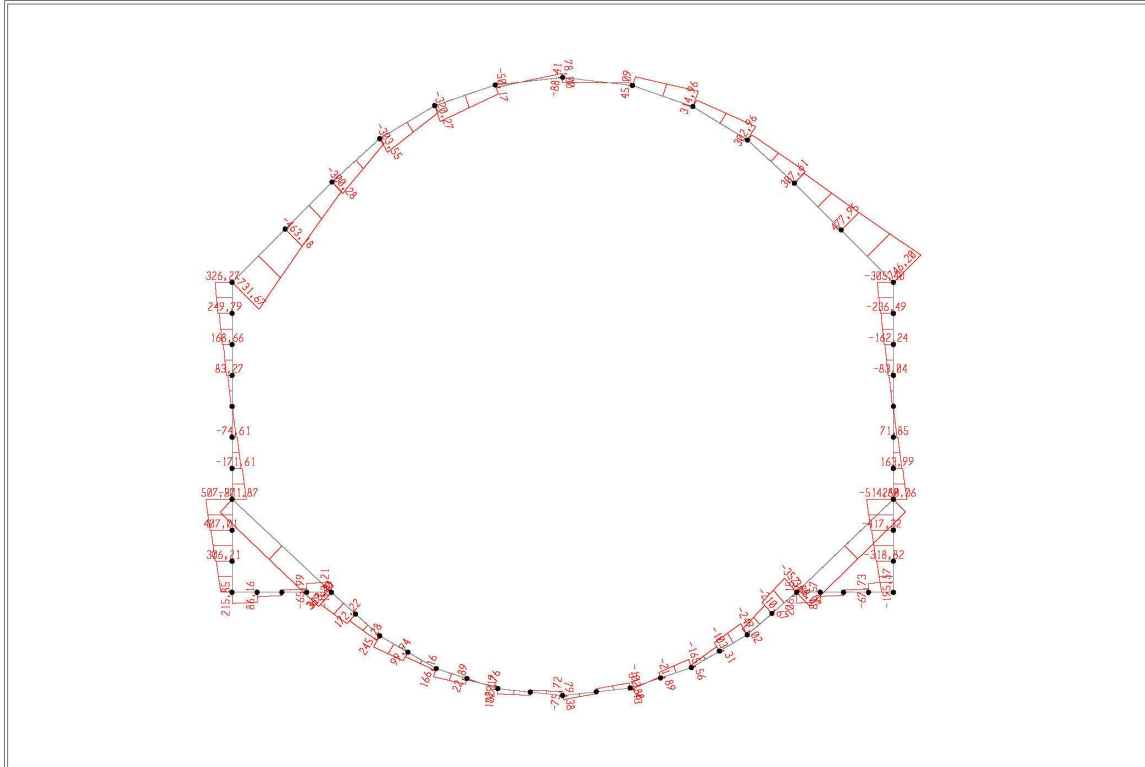


SAP2000 v14.2.2 - File:Homorod_H2 Static - Moment 3-3 Diagram (SLS) - KN, m, C Units

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

SAP2000

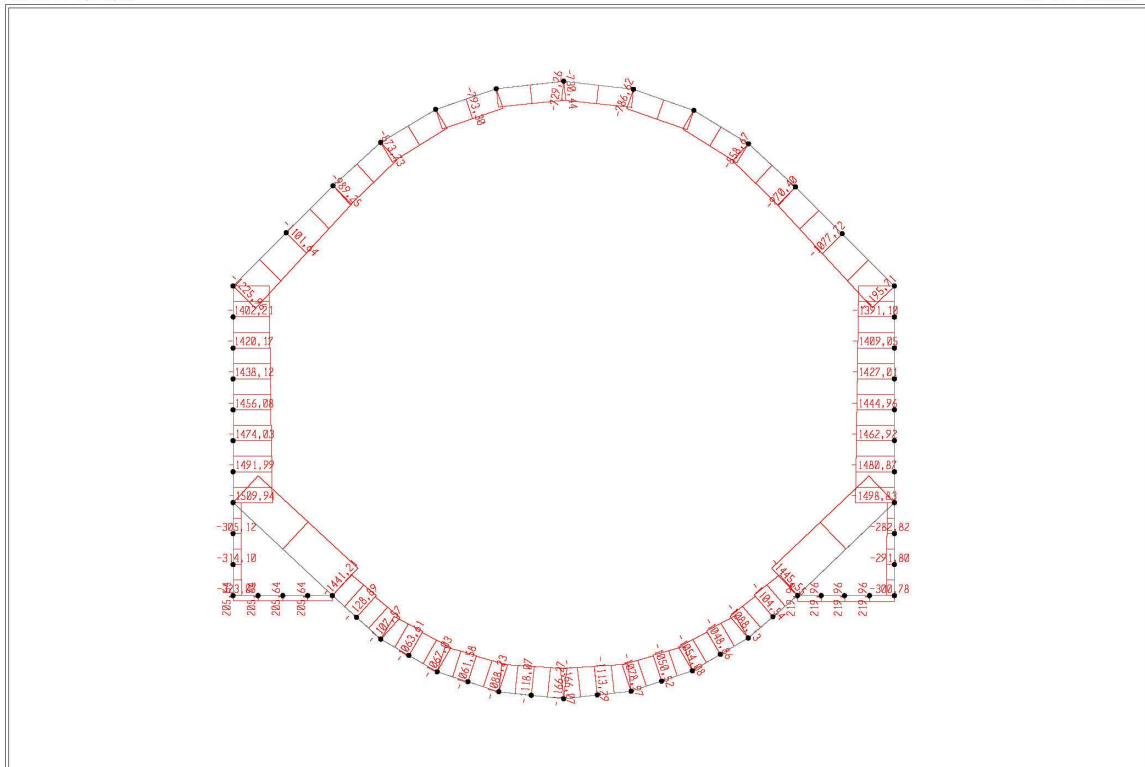
11/14/11 15:49:10



SAP2000 v14.2.2 - File:Homorod_H2 Static - Shear Force 2-2 Diagram (SLS) - KN, m, C Units

SAP2000

11/14/11 15:50:07



SAP2000 v14.2.2 - File:Homorod_H2 Static - Axial Force Diagram (SLS) - KN, m, C Units

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

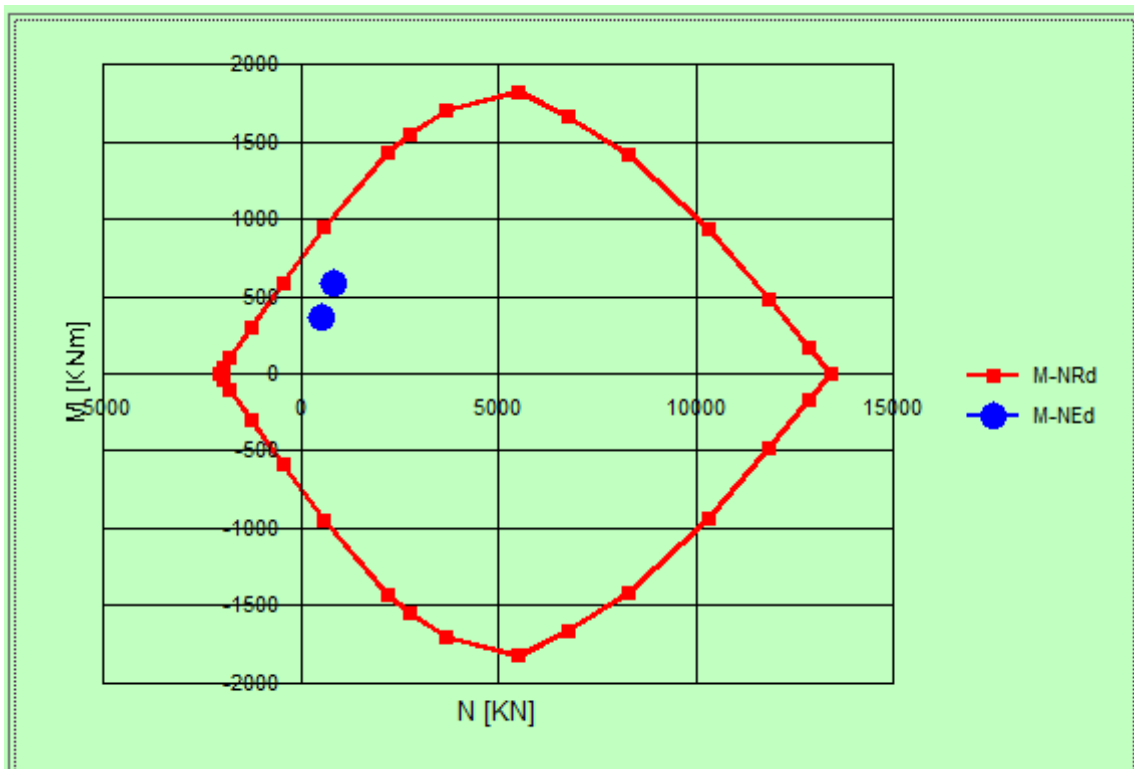
Secțiunea	B	H	ULS STATIC			ULS SEISMIC			SLS		
	cm	cm									
1	100	80	M=	589	kNm	M=	359	kNm	M=	354	kNm
			N=	806	kN	N=	527	kN	N=	695	kN
			T=	470	kN	T=	285	kN	T=	300	kN
2	100	160	M=	2098	kNm	M=	833	kNm	M=	1391	kNm
			N=	1705	kN	N=	1646	kN	N=	1226	kN
			T=	1013	kN	T=	502	kN	T=	732	kN
3	100	160	M=	1935	kNm	M=	524	kNm	M=	1247	kNm
			N=	1946	kN	N=	1440	kN	N=	1402	kN
			T=	281	kN	T=	456	kN	T=	250	kN
4	100	100	M=	836	kNm	M=	289	kNm	M=	500	kNm
			N=	1089	kN	N=	852	kN	N=	1103	kN
			T=	488	kN	T=	62	kN	T=	35	kN

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

6.8. Verificări structurale ULS

Secțiunea 1

Caracteristici			
Materiale			
C 30/37			
fcd	Mpa	17	
B450C			
fyd	MPa	391	
Secțiunea			
b	cm	100	
h	cm	80	
As	cm2	26.55	5 ϕ 26
A's	cm2	26.55	5 ϕ 26
c	cm	5	
d	cm	75	
Mrd	kN*m	1022	



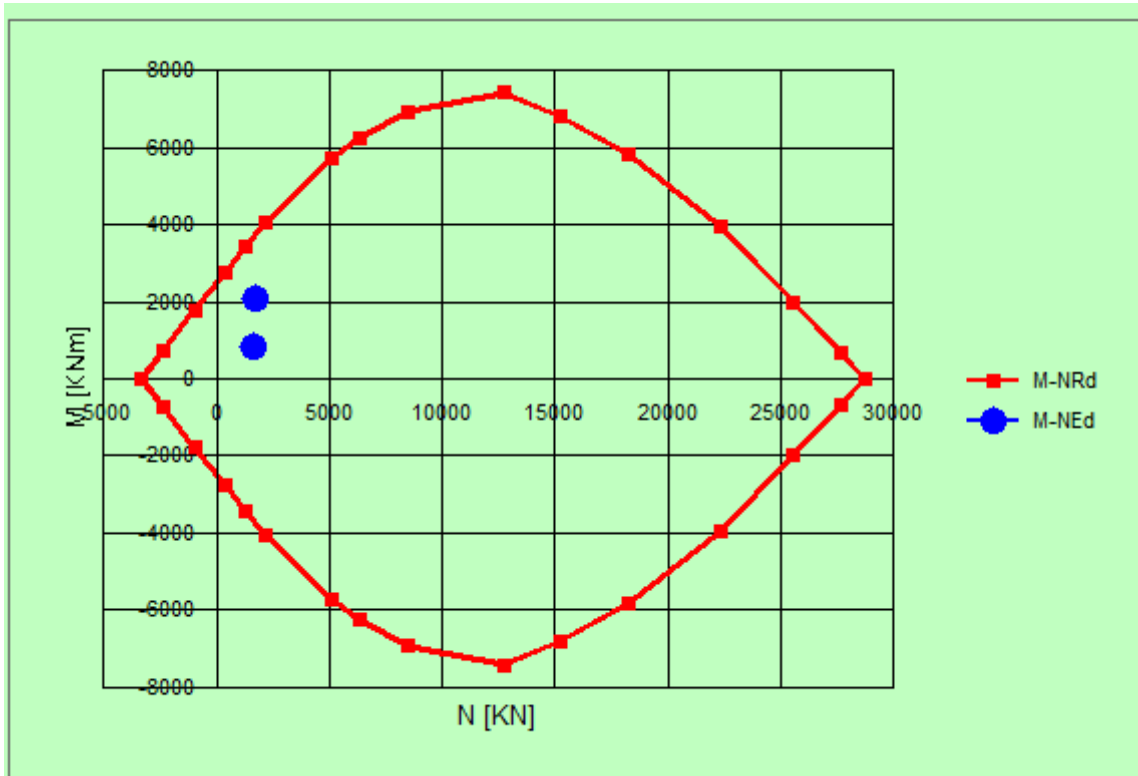
REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

Caratteristiche		
Materiale		
C 30/37		
fcd	Mpa	17
B450C		
fyd	MPa	391
Secțiunea		
b	cm	100
h	cm	160
As	cm ²	18.85
A's	cm ²	18.85
c	cm	5
d	cm	155
Tsd	kN*m	470
VRd1	kN	297 < 470
		Necesară armătură de forfecare
ctgθ =		2,5
θ	(°)	21.8
Ast	cm ² /m	12.32 (2φ14/25 cm)
VRsd	kN	813
VRcd	kN	1915
VRdu	kN	813

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

Sectiunea 2

Caracteristici			
Materiale			
C 30/37			
fcd	Mpa	17	
B450C			
fyd	MPa	391	
Sectiunea			
b	cm	100	
h	cm	160	
As	cm2	42.47	8 ϕ 26
A's	cm2	42.47	8 ϕ 26
c	cm	5	
d	cm	155	
Mrd	kN*m	1964	



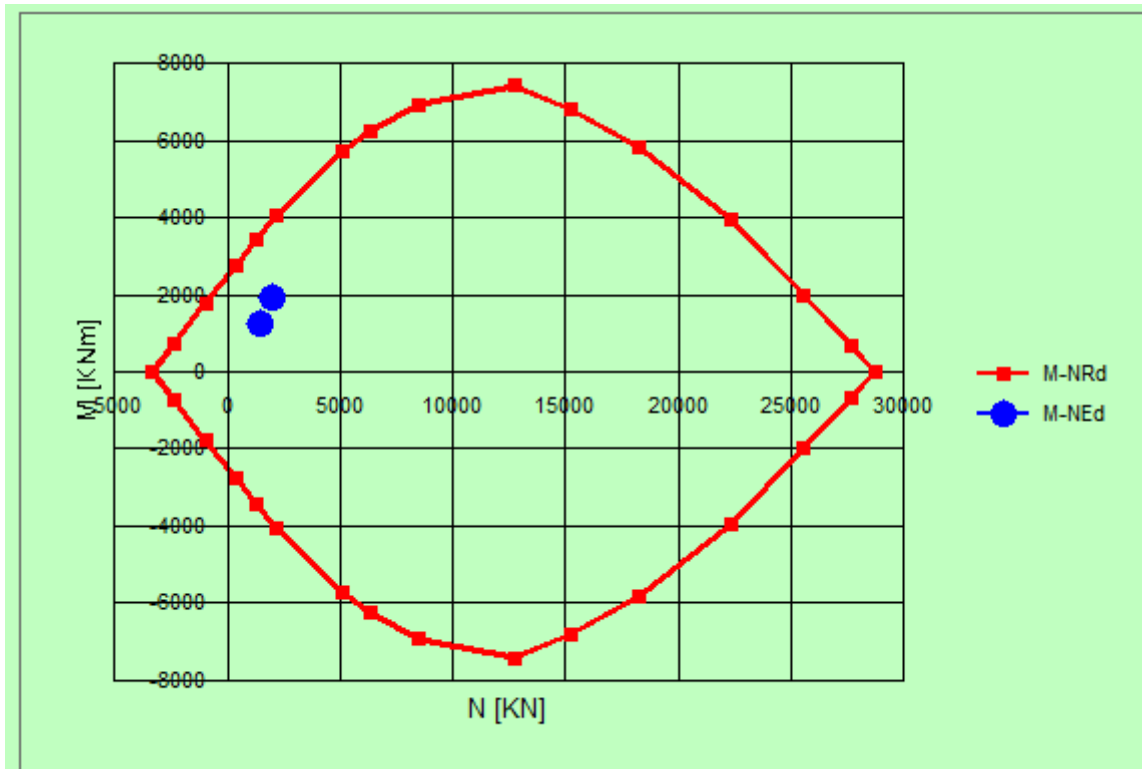
REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

Caratteristici		
Materiale		
C 30/37		
fcd	Mpa	17
B450C		
fyd	MPa	391
Secțiunea		
b	cm	100
h	cm	160
As	cm ²	42.47
A's	cm ²	42.47
c	cm	5
d	cm	155
Tsd	kN*m	1013
V _{Rd1}	kN	504 < 1013
		Necesară armătură de forfecare
ctgθ =		2,5
θ	(°)	21.8
Ast	cm ² /m	16.08 (2φ16/25 cm)
V _{Rsd}	kN	2195
V _{Rcd}	kN	3959
VRdu	kN	2195

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

Sectiunea 3

Caracteristici			
Materiale			
C 30/37			
fcd	Mpa	17	
B450C			
fyd	MPa	391	
Sectiunea			
b	cm	100	
h	cm	160	
As	cm2	42.47	8 ϕ 26
A's	cm2	42.47	8 ϕ 26
c	cm	5	
d	cm	155	
Mrd	kN*m	3927	



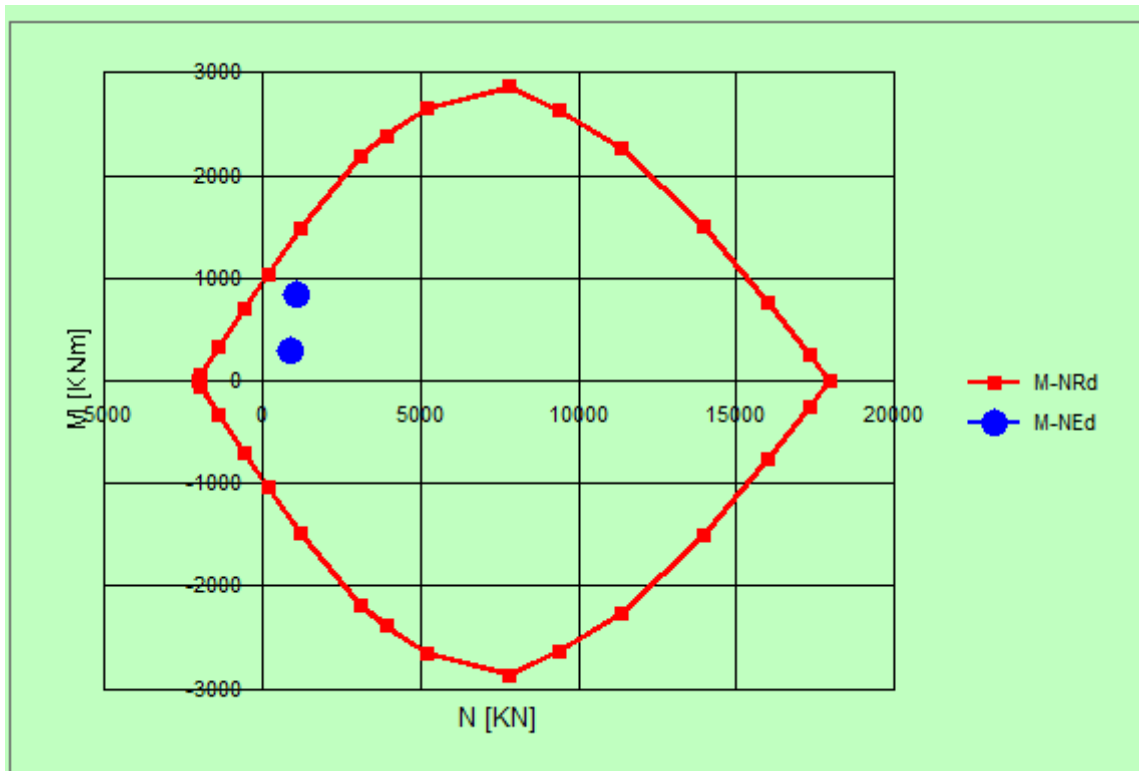
REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

Caratteristiche		
Materiale		
C 30/37		
fcd	Mpa	17
B450C		
fyd	MPa	391
Sețiunea		
b	cm	100
h	cm	160
As	cm ²	18.85
A's	cm ²	18.85
c	cm	5
d	cm	155
Tsd	kN*m	456
V _{Rd1}	kN	463 > 456
		Nu este necesară armătură de forfecare

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

Sectiunea 4

Caracteristici			
Materiale			
C 30/37			
fcd	Mpa	17	
B450C			
fyd	MPa	391	
Sectiunea			
b	cm	100	
h	cm	100	
As	cm2	26.55	5 ϕ 26
A's	cm2	26.55	5 ϕ 26
c	cm	5	
d	cm	95	
Mrd	kN*m	1437	



REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

Caracteristici		
Materiale		
C 30/37		
fcd	Mpa	17
B450C		
fyd	MPa	391
Secțiunea		
b	cm	100
h	cm	100
As	cm ²	26.55
A's	cm ²	26.55
c	cm	5
d	cm	95
Tsd	kN*m	488
VRd1	kN	334 < 488
		Necesară armătură de forfecare
ctgθ =		2,5
θ	(°)	21.8
Ast	cm ² /m	16.08 (2φ16/25 cm)
VRsd	kN	1345
VRcd	kN	2426
VRdu	kN	1345

6.9. Verificări SLS

Secțiunea	B	H	Armătură		M	N	σs
			n.	n.			
1	100	80	5φ26	5φ26	354	695	85
2	100	160	8φ26	8φ26	1391	1226	107.9
3	100	160	8φ26	8φ26	1247	1402	73.69
4	100	100	5φ26	5φ26	500	1103	56.35

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

REFERINȚĂ. 1992-1-1 paragraf 7.3

h	1600	[mm]
b	1000	[mm]
d	1550	[mm]
d'	50	[mm]
c	37	[mm]
n _{f,1}	8	[-]
φ _{f,1}	26	[mm]
A _{sf,1}	4247	[mm ²]
n _{f,2}	0	[-]
φ _{f,2}	0	[mm]
A _{sf,2}	0	[mm ²]
f _{ck}	37	[MPa]
f _{ctm}	3,2	[MPa]
E _{cm}	34077	[MPa]
f _{yk}	450	[MPa]
E _s	200000	[MPa]
σ _s	108	[MPa]
x	608	[mm]
α _e	5,87	[-]
A _s	4247	[mm ²]
A _{c,eff.1}	125000	[mm ²]
A _{c,eff.2}	330667	[mm ²]
A _{c,eff.3}	800000	[mm ²]
A _{c,eff.min}	125000	[mm ²]
ρ _{p,eff}	0,03398	[-]
f _{ct,eff}	3,2	[MPa]
k _t	0,4	[-]
[ε _{sm} -ε _{cm}] _{min}	0,000324	[-]
[ε _{sm} -ε _{cm}] _{calc.}	0,000313	[-]
[ε_{sm}-ε_{cm}]	0,000324	[-]
s	125	[mm]
φ _{eq}	26,00	[mm]
S _{max,rif}	250	[mm]
k ₁	0,800	[-]
k ₂	1,000	[-]
k ₃	3,400	[-]
k ₄	0,425	[-]
S _{r,max.1}	386	[mm]
S _{r,max.2}	1290	[mm]
S_{r,max}	386	[mm]
W _{k,lim}	0,30	[mm]
W_k	0,13	[mm]

7 CONCLUZII

În acest raport ne ocupăm cu problemele de proiectare referitoare la implementarea lucrărilor de construcții ale intrărilor de tunel de-a lungul aliniamentului de cale ferată Brașov – Sighișoara ce aparține rețelei de căi ferate ale Coridorului IV Pan European. Evaluările efectuate au confirmat valabilitatea soluțiilor de proiectare adoptate, cu referire atât la structurile temporare cât și la cele permanente. Verificările statice efectuate au arătat solicitări ale materialului mai mici decât valorile permisibile conform regulilor

REHABILITATION OF THE RAILWAY LINE BRASOV – SIMERIA, COMPONENT PART OF IV PAN-EUROPEAN CORRIDOR FOR THE TRAINS CIRCULATION WITH MAXIMUM SPEED OF 160 KM/H.

ANEXĂ

PARATIE 7.00

Ce.A.S. s.r.l. - Milano

PAG. 1

16 NOVEMBRE 2011 13:12:22

History 0 - HOMOROD

```
*****  
**  
**          P  A  R  A  T  I  E          **  
**  
**          RELEASE 7.00  VERSIONE WIN  **  
**  
** Ce.A.S. s.r.l. - Viale Giustiniano, 10 **  
**                   20129 MILANO      **  
**  
*****
```

JOBNAME C:\Users\Tecnico5\Desktop\Nuova cartella (3)\File Paratie Homorod L

16 NOVEMBRE 2011 13:12:22

PARATIE 7.00
16 NOVEMBRE 2011 13:12:22
History 0 - HOMOROD

Ce.A.S. s.r.l. - Milano

PAG. 2

ELENCO DEI DATI DI INPUT(PARAGEN)

Per il significato dei vari comandi
si faccia riferimento al manuale di
input PARAGEN, versione 7.00.

N. comando
1: * Paratie for Windows version 7.0
2: * Filename= <c:\users\tecnico5\desktop\nuova cartella (3)\file paratie
homorod 1
3: * project with "run time" parameters
4: * Force=kN Lenght=m
5: *
6: units m kN
7: title History 0 - HOMOROD
8: delta 0.2
9: option param itemax 20
10: option noprint echo
11: option noprint displ
12: option noprint react
13: option noprint stresses
14: wall RightWall 0 -30 0
15: *
16: soil DHRight RightWall -30 0 2 0
17: soil UHRight RightWall -30 0 1 180
18: *
19: material Pali 3.2308E+007
20: material Acciaio 2.1E+008
21: *
22: beam Right_wall RightWall -22 0 Pali 0.979439 00 00
23: *
24: wire Wire01 RightWall -0.5 Acciaio 2.87179E-005 150 157.5
25: wire Wire2 RightWall -4 Acciaio 4.30769E-005 150 157.5
26: *
27: * Soil Profile
28: *
29: ldata Soil 0
30: weight 19 9 10
31: atrest 1 0.5 1
32: resistance 20 25 0.359 3.319
33: young 12000 17000
34: endlayer
35: ldata Soil2 -5
36: weight 19.5 9.5 10
37: atrest 1 0.5 1
38: resistance 45 25 0.359 3.319

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N. comando

```
39:      young      18000 23000
40:      endlayer
41:      ldata      Soil3 -15
42:      weight     19.5 9.5 10
43:      atrest     1 0.5 1
44:      resistance 60 25 0.359 3.319
45:      young      25000 30000
46:      endlayer
47: *
48: step 1 :
49:      setwall RightWall
50:      geom 0 -0.5
51:      add Wire01
52: endstep
53: *
54: step 2 :
55:      setwall RightWall
56:      geom 0 -4
57:      water -2 2
58: endstep
59: *
60: step 3 :
61:      setwall RightWall
62:      add Wire2
63: endstep
64: *
65: step 4 :
66:      setwall RightWall
67:      geom 0 -7.2
68:      water -2 5.2
69:      surcharge 23 0 0 0
70: endstep
71: *
72: *
```

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 1

LAYER Soil			
natura 1=granulare, 2=argilla	=	1.0000	
quota superiore	=	0.0000	m
quota inferiore	=	-5.0000	m
peso fuori falda	=	19.000	kN/m ³
peso efficace in falda	=	9.0000	kN/m ³
peso dell'acqua	=	10.000	kN/m ³
coesione	=	20.000	kPa (A MONTE)
angolo di attrito	=	25.000	DEG (A MONTE)
coeff. spinta attiva ka	=	0.35900	(A MONTE)
coeff. spinta passiva kp	=	3.3190	(A MONTE)
Konc normal consolidato	=	1.0000	
esponente di OCR	=	0.50000	
OCR: grado di sovraconsolidazione	=	1.0000	
modello di rigidità	=	1.0000	
modulo el. compr. vergine	=	12000.	kPa
modulo el. scarico/ricarico	=	17000.	kPa
natura 1=granulare, 2=argilla	=	1.0000	(A VALLE)
coesione	=	20.000	kPa (A VALLE)
angolo di attrito	=	25.000	DEG (A VALLE)
coeff. spinta attiva ka	=	0.35900	(A VALLE)
coeff. spinta passiva kp	=	3.3190	(A VALLE)
LAYER Soil2			
natura 1=granulare, 2=argilla	=	1.0000	
quota superiore	=	-5.0000	m
quota inferiore	=	-15.000	m
peso fuori falda	=	19.500	kN/m ³
peso efficace in falda	=	9.5000	kN/m ³
peso dell'acqua	=	10.000	kN/m ³
coesione	=	45.000	kPa (A MONTE)
angolo di attrito	=	25.000	DEG (A MONTE)
coeff. spinta attiva ka	=	0.35900	(A MONTE)
coeff. spinta passiva kp	=	3.3190	(A MONTE)
Konc normal consolidato	=	1.0000	
esponente di OCR	=	0.50000	
OCR: grado di sovraconsolidazione	=	1.0000	
modello di rigidità	=	1.0000	
modulo el. compr. vergine	=	18000.	kPa
modulo el. scarico/ricarico	=	23000.	kPa
natura 1=granulare, 2=argilla	=	1.0000	(A VALLE)
coesione	=	45.000	kPa (A VALLE)

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RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 1

angolo di attrito	= 25.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.35900		(A VALLE)
coeff. spinta passiva kp	= 3.3190		(A VALLE)

LAYER Soil3

natura 1=granulare, 2=argilla	= 1.0000		
quota superiore	= -15.000	m	
quota inferiore	= -0.10000E+31	m	
peso fuori falda	= 19.500	kN/m ³	
peso efficace in falda	= 9.5000	kN/m ³	
peso dell'acqua	= 10.000	kN/m ³	
coesione	= 60.000	kPa	(A MONTE)
angolo di attrito	= 25.000	DEG	(A MONTE)
coeff. spinta attiva ka	= 0.35900		(A MONTE)
coeff. spinta passiva kp	= 3.3190		(A MONTE)
Konc normal consolidato	= 1.0000		
esponente di OCR	= 0.50000		
OCR: grado di sovraconsolidazione	= 1.0000		
modello di rigidezza	= 1.0000		
modulo el. compr. vergine	= 25000.	kPa	
modulo el. scarico/ricarico	= 30000.	kPa	
natura 1=granulare, 2=argilla	= 1.0000		(A VALLE)
coesione	= 60.000	kPa	(A VALLE)
angolo di attrito	= 25.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.35900		(A VALLE)
coeff. spinta passiva kp	= 3.3190		(A VALLE)

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 2

(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 3

(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 4

(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE

RIASSUNTO DATI RELATIVI ALLA FASE 1

WALL RightWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-0.50000	m
quota della falda	=	-0.99900E+30	m
sovraccarico a monte	=	0.0000	kPa
quota del sovraccarico a monte	=	0.0000	m
depressione falda a valle	=	0.0000	m
sovraccarico a valle	=	0.0000	kPa
quota del sovraccarico a valle	=	-0.99900E+30	m
quota di taglio	=	0.0000	m
quota di equil. pressioni dell'acqua	=	-30.000	m
indicatore comportamento acqua	=	0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	=	0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 2

WALL RightWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-4.0000	m
quota della falda	=	-2.0000	m
sovraccarico a monte	=	0.0000	kPa
quota del sovraccarico a monte	=	0.0000	m
depressione falda a valle	=	2.0000	m
sovraccarico a valle	=	0.0000	kPa
quota del sovraccarico a valle	=	-0.99900E+30	m
quota di taglio	=	0.0000	m
quota di equil. pressioni dell'acqua	=	-30.000	m
indicatore comportamento acqua	=	0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	=	0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 3

WALL RightWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-4.0000	m
quota della falda	=	-2.0000	m
sovraccarico a monte	=	0.0000	kPa

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RIASSUNTO DATI RELATIVI ALLA FASE 3

quota del sovraccarico a monte	= 0.0000	m
depressione falda a valle	= 2.0000	m
sovraccarico a valle	= 0.0000	kPa
quota del sovraccarico a valle	= -0.99900E+30	m
quota di taglio	= 0.0000	m
quota di equil. pressioni dell'acqua	= -30.0000	m
indicatore comportamento acqua	= 0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	= 0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 4

WALL RightWall

coordinata y	= 0.0000	m
quota piano campagna	= 0.0000	m
quota del fondo scavo	= -7.2000	m
quota della falda	= -2.0000	m
sovraccarico a monte	= 23.0000	kPa
quota del sovraccarico a monte	= 0.0000	m
depressione falda a valle	= 5.2000	m
sovraccarico a valle	= 0.0000	kPa
quota del sovraccarico a valle	= 0.0000	m
quota di taglio	= 0.0000	m
quota di equil. pressioni dell'acqua	= -30.0000	m
indicatore comportamento acqua	= 0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	= 0.0000	(1=NO UPD)

RIASSUNTO ELEMENTI
=====

RIASSUNTO ELEMENTI SOIL						
Name	Wall	Z1	Z2	Flag	Angle	
		m	m		deg	
DHRight	RightWall	0.	-30.00	DOWNHILL	0.	
UHRight	RightWall	0.	-30.00	UPHILL	180.0	

RIASSUNTO ELEMENTI BEAM						
Name	Wall	Z1	Z2	Mat	thick	
		m	m		m	
Right_wall	RightWall	0.	-22.00	_	0.9794	

RIASSUNTO ELEMENTI WIRE						
Name	Wall	Zeta	Mat	A/L	Pinit	Angle
		m			kN/m	deg
Wire01	RightWall	-0.5000	_	0.2872E-04	150.0	157.5
Wire2	RightWall	-4.000	_	0.4308E-04	150.0	157.5

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RIASSUNTO DATI VARI
=====

MATERIALI	
Name	YOUNG MODULUS
	kPa
Pali	3.2308E+007
Acci	2.1E+008

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RIASSUNTO ANALISI INCREMENTALE

FASE	N. DI ITERAZIONI	CONVERGENZA
1	3	SI
2	2	SI
3	2	SI
4	2	SI

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MASSIMI SPOSTAMENTI LATERALI

TUTTI I PASSI

* PARETE RightWall*

* I PASSI NON EQUILIBRATI SONO ESCLUSI *

* NOTA: LE QUOTE ESPRESSE IN m

E GLI SPOSTAMENTI IN m

NODO	QUOTA ZETA	SPOSTAMENTO MASSIMO	FASE PARETE RightWall
1	0.0000	0.40869E-02	1
2	-0.20000	-0.40339E-02	4
3	-0.40000	-0.44103E-02	4
4	-0.50000	-0.45985E-02	4
5	-0.70000	-0.49749E-02	4
6	-0.90000	-0.53507E-02	4
7	-1.1000	-0.57256E-02	4
8	-1.3000	-0.60990E-02	4
9	-1.5000	-0.64704E-02	4
10	-1.7000	-0.68393E-02	4
11	-1.9000	-0.72054E-02	4
12	-2.1000	-0.75682E-02	4
13	-2.3000	-0.79274E-02	4
14	-2.5000	-0.82825E-02	4
15	-2.7000	-0.86333E-02	4
16	-2.9000	-0.89794E-02	4
17	-3.1000	-0.93206E-02	4
18	-3.3000	-0.96567E-02	4
19	-3.5000	-0.99874E-02	4
20	-3.7000	-0.10313E-01	4
21	-3.9000	-0.10632E-01	4
22	-4.0000	-0.10790E-01	4
23	-4.2000	-0.11101E-01	4
24	-4.4000	-0.11405E-01	4
25	-4.6000	-0.11702E-01	4
26	-4.8000	-0.11992E-01	4
27	-5.0000	-0.12273E-01	4
28	-5.2000	-0.12546E-01	4
29	-5.4000	-0.12809E-01	4
30	-5.6000	-0.13063E-01	4
31	-5.8000	-0.13306E-01	4
32	-6.0000	-0.13539E-01	4
33	-6.2000	-0.13762E-01	4
34	-6.4000	-0.13974E-01	4
35	-6.6000	-0.14174E-01	4
36	-6.8000	-0.14364E-01	4
37	-7.0000	-0.14542E-01	4
38	-7.2000	-0.14709E-01	4

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NODO	QUOTA ZETA	SPOSTAMENTO MASSIMO	FASE PARETE RightWall
39	-7.4000	-0.14865E-01	4
40	-7.6000	-0.15009E-01	4
41	-7.8000	-0.15143E-01	4
42	-8.0000	-0.15266E-01	4
43	-8.2000	-0.15379E-01	4
44	-8.4000	-0.15481E-01	4
45	-8.6000	-0.15573E-01	4
46	-8.8000	-0.15655E-01	4
47	-9.0000	-0.15727E-01	4
48	-9.2000	-0.15789E-01	4
49	-9.4000	-0.15842E-01	4
50	-9.6000	-0.15886E-01	4
51	-9.8000	-0.15920E-01	4
52	-10.000	-0.15947E-01	4
53	-10.200	-0.15964E-01	4
54	-10.400	-0.15974E-01	4
55	-10.600	-0.15976E-01	4
56	-10.800	-0.15970E-01	4
57	-11.000	-0.15956E-01	4
58	-11.200	-0.15935E-01	4
59	-11.400	-0.15908E-01	4
60	-11.600	-0.15873E-01	4
61	-11.800	-0.15833E-01	4
62	-12.000	-0.15786E-01	4
63	-12.200	-0.15733E-01	4
64	-12.400	-0.15675E-01	4
65	-12.600	-0.15611E-01	4
66	-12.800	-0.15542E-01	4
67	-13.000	-0.15468E-01	4
68	-13.200	-0.15389E-01	4
69	-13.400	-0.15307E-01	4
70	-13.600	-0.15220E-01	4
71	-13.800	-0.15129E-01	4
72	-14.000	-0.15034E-01	4
73	-14.200	-0.14937E-01	4
74	-14.400	-0.14836E-01	4
75	-14.600	-0.14732E-01	4
76	-14.800	-0.14626E-01	4
77	-15.000	-0.14518E-01	4
78	-15.200	-0.14407E-01	4
79	-15.400	-0.14295E-01	4
80	-15.600	-0.14182E-01	4
81	-15.800	-0.14067E-01	4
82	-16.000	-0.13951E-01	4
83	-16.200	-0.13834E-01	4
84	-16.400	-0.13717E-01	4

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NODO	QUOTA ZETA	SPOSTAMENTO MASSIMO	FASE PARETE RightWall
85	-16.600	-0.13599E-01	4
86	-16.800	-0.13480E-01	4
87	-17.000	-0.13362E-01	4
88	-17.200	-0.13243E-01	4
89	-17.400	-0.13123E-01	4
90	-17.600	-0.13004E-01	4
91	-17.800	-0.12885E-01	4
92	-18.000	-0.12766E-01	4
93	-18.200	-0.12647E-01	4
94	-18.400	-0.12528E-01	4
95	-18.600	-0.12410E-01	4
96	-18.800	-0.12291E-01	4
97	-19.000	-0.12173E-01	4
98	-19.200	-0.12055E-01	4
99	-19.400	-0.11938E-01	4
100	-19.600	-0.11820E-01	4
101	-19.800	-0.11703E-01	4
102	-20.000	-0.11586E-01	4
103	-20.200	-0.11469E-01	4
104	-20.400	-0.11352E-01	4
105	-20.600	-0.11235E-01	4
106	-20.800	-0.11119E-01	4
107	-21.000	-0.11002E-01	4
108	-21.200	-0.10886E-01	4
109	-21.400	-0.10769E-01	4
110	-21.600	-0.10653E-01	4
111	-21.800	-0.10537E-01	4
112	-22.000	-0.10420E-01	4
113	-22.200	-0.11142E-01	4
114	-22.400	-0.11127E-01	4
115	-22.600	-0.11113E-01	4
116	-22.800	-0.11099E-01	4
117	-23.000	-0.11085E-01	4
118	-23.200	-0.11071E-01	4
119	-23.400	-0.11057E-01	4
120	-23.600	-0.11043E-01	4
121	-23.800	-0.11029E-01	4
122	-24.000	-0.11016E-01	4
123	-24.200	-0.11002E-01	4
124	-24.400	-0.10988E-01	4
125	-24.600	-0.10975E-01	4
126	-24.800	-0.10961E-01	4
127	-25.000	-0.10948E-01	4
128	-25.200	-0.10935E-01	4
129	-25.400	-0.10921E-01	4
130	-25.600	-0.10908E-01	4

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NODO	QUOTA ZETA	SPOSTAMENTO MASSIMO	FASE PARETE RightWall
131	-25.800	-0.10895E-01	4
132	-26.000	-0.10882E-01	4
133	-26.200	-0.10868E-01	4
134	-26.400	-0.10855E-01	4
135	-26.600	-0.10842E-01	4
136	-26.800	-0.10829E-01	4
137	-27.000	-0.10816E-01	4
138	-27.200	-0.10803E-01	4
139	-27.400	-0.10790E-01	4
140	-27.600	-0.10778E-01	4
141	-27.800	-0.10765E-01	4
142	-28.000	-0.10752E-01	4
143	-28.200	-0.10739E-01	4
144	-28.400	-0.10726E-01	4
145	-28.600	-0.10714E-01	4
146	-28.800	-0.10701E-01	4
147	-29.000	-0.10688E-01	4
148	-29.200	-0.10676E-01	4
149	-29.400	-0.10663E-01	4
150	-29.600	-0.10651E-01	4
151	-29.800	-0.10638E-01	4
152	-30.000	-0.10626E-01	4

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INVILUPPO AZIONI INTERNE NEGLI ELEMENTI DI PARETE
 (PER UNITA' DI PROFONDITA')

* PARETE RightWall GRUPPO Right_wall*

STEP 1 - 4

* I PASSI NON EQUILIBRATI SONO ESCLUSI *

Nella tabella si stampano i seguenti risultati:

MOMENTO SX = Momento che tende le fibre sulla faccia sinistra [kN*m/m]

MOMENTO DX = Momento che tende le fibre sulla faccia destra [kN*m/m]

TAGLIO = forza tagliante (valore assoluto, priva di segno)[kN/m]

BEAM EL.	ESTREMO	QUOTA	MOMENTO SX	MOMENTO DX	TAGLIO
1	A	0.	0.3856E-09	0.2765E-09	1.925
	B	-0.2000	0.	0.3849	1.925
2	A	-0.2000	0.	0.3849	6.383
	B	-0.4000	0.	1.661	6.383
3	A	-0.4000	0.	1.661	10.18
	B	-0.5000	0.	2.680	10.18
4	A	-0.5000	0.	2.680	168.2
	B	-0.7000	31.12	0.	168.2
5	A	-0.7000	31.12	0.	162.9
	B	-0.9000	63.69	0.	162.9
6	A	-0.9000	63.69	0.	157.1
	B	-1.100	95.12	0.	157.1
7	A	-1.100	95.12	0.	150.9
	B	-1.300	125.3	0.	150.9
8	A	-1.300	125.3	0.	144.3
	B	-1.500	154.2	0.	144.3
9	A	-1.500	154.2	0.	137.2
	B	-1.700	181.6	0.	137.2
10	A	-1.700	181.6	0.	131.2
	B	-1.900	207.5	0.	131.2
11	A	-1.900	207.5	0.	125.5
	B	-2.100	231.8	0.	125.5
12	A	-2.100	231.8	0.	119.1
	B	-2.300	254.4	0.	119.1
13	A	-2.300	254.4	0.	112.0
	B	-2.500	275.3	0.	112.0
14	A	-2.500	275.3	0.	104.2
	B	-2.700	294.2	0.	104.2
15	A	-2.700	294.2	0.	95.53
	B	-2.900	312.0	0.	95.53
16	A	-2.900	312.0	0.	86.14
	B	-3.100	329.2	0.	86.14
17	A	-3.100	329.2	0.	75.98
	B	-3.300	344.4	0.	75.98

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BEAM EL.	ESTREMO	QUOTA	MOMENTO SX	MOMENTO DX	TAGLIO
18	A	-3.300	344.4	0.	65.05
	B	-3.500	357.4	0.	65.05
19	A	-3.500	357.4	0.	53.36
	B	-3.700	368.1	0.	53.36
20	A	-3.700	368.1	0.	40.88
	B	-3.900	376.3	0.	40.88
21	A	-3.900	376.3	0.	30.94
	B	-4.000	379.4	0.	30.94
22	A	-4.000	379.4	0.	219.5
	B	-4.200	408.5	0.	219.5
23	A	-4.200	408.5	0.	205.9
	B	-4.400	449.7	0.	205.9
24	A	-4.400	449.7	0.	191.8
	B	-4.600	488.0	0.	191.8
25	A	-4.600	488.0	0.	177.1
	B	-4.800	523.4	0.	177.1
26	A	-4.800	523.4	0.	161.7
	B	-5.000	555.8	0.	161.7
27	A	-5.000	555.8	0.	148.3
	B	-5.200	585.4	0.	148.3
28	A	-5.200	585.4	0.	134.2
	B	-5.400	612.3	0.	134.2
29	A	-5.400	612.3	0.	119.5
	B	-5.600	636.2	0.	119.5
30	A	-5.600	636.2	0.	104.2
	B	-5.800	657.0	0.	104.2
31	A	-5.800	657.0	0.	88.11
	B	-6.000	674.6	0.	88.11
32	A	-6.000	674.6	0.	71.39
	B	-6.200	688.9	0.	71.39
33	A	-6.200	688.9	0.	53.97
	B	-6.400	699.7	0.	53.97
34	A	-6.400	699.7	0.	36.01
	B	-6.600	706.9	0.	36.01
35	A	-6.600	706.9	0.	37.77
	B	-6.800	710.3	0.	37.77
36	A	-6.800	710.3	0.	39.27
	B	-7.000	709.8	0.	39.27
37	A	-7.000	709.8	0.	40.53
	B	-7.200	705.2	0.	40.53
38	A	-7.200	705.2	0.	41.56
	B	-7.400	698.7	0.	41.56
39	A	-7.400	698.7	0.	42.39
	B	-7.600	690.7	0.	42.39
40	A	-7.600	690.7	0.	46.18
	B	-7.800	681.4	0.	46.18

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History 0 - HOMOROD

BEAM EL.	ESTREMO	QUOTA	MOMENTO SX	MOMENTO DX	TAGLIO
41	A	-7.800	681.4	0.	51.45
	B	-8.000	671.1	0.	51.45
42	A	-8.000	671.1	0.	56.03
	B	-8.200	659.9	0.	56.03
43	A	-8.200	659.9	0.	60.01
	B	-8.400	647.9	0.	60.01
44	A	-8.400	647.9	0.	63.47
	B	-8.600	635.2	0.	63.47
45	A	-8.600	635.2	0.	66.47
	B	-8.800	621.9	0.	66.47
46	A	-8.800	621.9	0.	69.05
	B	-9.000	608.1	0.	69.05
47	A	-9.000	608.1	0.	71.28
	B	-9.200	593.9	0.	71.28
48	A	-9.200	593.9	0.	73.17
	B	-9.400	579.2	0.	73.17
49	A	-9.400	579.2	0.	74.77
	B	-9.600	564.3	0.	74.77
50	A	-9.600	564.3	0.	76.11
	B	-9.800	549.1	0.	76.11
51	A	-9.800	549.1	0.	77.22
	B	-10.00	533.6	0.	77.22
52	A	-10.00	533.6	0.	78.13
	B	-10.20	518.0	0.	78.13
53	A	-10.20	518.0	0.	78.86
	B	-10.40	502.2	0.	78.86
54	A	-10.40	502.2	0.	79.43
	B	-10.60	486.3	0.	79.43
55	A	-10.60	486.3	0.	79.86
	B	-10.80	470.4	0.	79.86
56	A	-10.80	470.4	0.	80.19
	B	-11.00	454.3	0.	80.19
57	A	-11.00	454.3	0.	80.43
	B	-11.20	438.2	0.	80.43
58	A	-11.20	438.2	0.	80.59
	B	-11.40	422.1	0.	80.59
59	A	-11.40	422.1	0.	80.70
	B	-11.60	406.0	0.	80.70
60	A	-11.60	406.0	0.	80.77
	B	-11.80	389.8	0.	80.77
61	A	-11.80	389.8	0.	80.81
	B	-12.00	373.7	0.	80.81
62	A	-12.00	373.7	0.	80.86
	B	-12.20	357.5	0.	80.86
63	A	-12.20	357.5	0.	80.91
	B	-12.40	341.3	0.	80.91

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History 0 - HOMOROD

BEAM EL.	ESTREMO	QUOTA	MOMENTO SX	MOMENTO DX	TAGLIO
64	A	-12.40	341.3	0.	80.98
	B	-12.60	325.1	0.	80.98
65	A	-12.60	325.1	0.	81.09
	B	-12.80	308.9	0.	81.09
66	A	-12.80	308.9	0.	81.25
	B	-13.00	292.7	0.	81.25
67	A	-13.00	292.7	0.	81.47
	B	-13.20	276.4	0.	81.47
68	A	-13.20	276.4	0.	81.76
	B	-13.40	260.0	0.	81.76
69	A	-13.40	260.0	0.	82.13
	B	-13.60	243.6	0.	82.13
70	A	-13.60	243.6	0.	82.59
	B	-13.80	227.1	0.	82.59
71	A	-13.80	227.1	0.	83.15
	B	-14.00	210.4	0.	83.15
72	A	-14.00	210.4	0.	83.82
	B	-14.20	193.7	0.	83.82
73	A	-14.20	193.7	0.	84.61
	B	-14.40	176.8	0.	84.61
74	A	-14.40	176.8	0.	85.52
	B	-14.60	159.7	0.	85.52
75	A	-14.60	159.7	0.	86.56
	B	-14.80	142.3	0.	86.56
76	A	-14.80	142.3	0.	87.74
	B	-15.00	124.8	0.	87.74
77	A	-15.00	124.8	0.	81.28
	B	-15.20	108.5	0.	81.28
78	A	-15.20	108.5	0.	75.03
	B	-15.40	93.53	0.	75.03
79	A	-15.40	93.53	0.	68.99
	B	-15.60	79.73	0.	68.99
80	A	-15.60	79.73	0.	63.17
	B	-15.80	67.10	0.	63.17
81	A	-15.80	67.10	0.	57.56
	B	-16.00	55.58	1.558	57.56
82	A	-16.00	55.58	1.558	52.18
	B	-16.20	45.15	4.967	52.18
83	A	-16.20	45.15	4.967	47.03
	B	-16.40	35.74	7.902	47.03
84	A	-16.40	35.74	7.902	42.11
	B	-16.60	27.32	10.39	42.11
85	A	-16.60	27.32	10.39	37.41
	B	-16.80	19.84	12.46	37.41
86	A	-16.80	19.84	12.46	32.95
	B	-17.00	13.25	14.13	32.95

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History 0 - HOMOROD

BEAM EL.	ESTREMO	QUOTA	MOMENTO SX	MOMENTO DX	TAGLIO
87	A	-17.00	13.25	14.13	28.73
	B	-17.20	7.500	15.43	28.73
88	A	-17.20	7.500	15.43	24.74
	B	-17.40	3.516	16.39	24.74
89	A	-17.40	3.516	16.39	20.99
	B	-17.60	1.292	17.03	20.99
90	A	-17.60	1.292	17.03	17.47
	B	-17.80	0.	17.37	17.47
91	A	-17.80	0.	17.37	14.19
	B	-18.00	0.	17.45	14.19
92	A	-18.00	0.	17.45	11.15
	B	-18.20	0.	17.28	11.15
93	A	-18.20	0.	17.28	8.344
	B	-18.40	0.	16.89	8.344
94	A	-18.40	0.	16.89	5.778
	B	-18.60	0.	16.32	5.778
95	A	-18.60	0.	16.32	3.746
	B	-18.80	0.	15.57	3.746
96	A	-18.80	0.	15.57	4.471
	B	-19.00	0.	14.67	4.471
97	A	-19.00	0.	14.67	5.077
	B	-19.20	0.	13.89	5.077
98	A	-19.20	0.	13.89	5.561
	B	-19.40	0.	13.47	5.561
99	A	-19.40	0.	13.47	5.927
	B	-19.60	0.	12.77	5.927
100	A	-19.60	0.	12.77	6.174
	B	-19.80	0.	11.84	6.174
101	A	-19.80	0.	11.84	6.302
	B	-20.00	0.	10.73	6.302
102	A	-20.00	0.	10.73	6.312
	B	-20.20	0.	9.487	6.312
103	A	-20.20	0.	9.487	6.661
	B	-20.40	0.	8.155	6.661
104	A	-20.40	0.	8.155	6.863
	B	-20.60	0.	6.783	6.863
105	A	-20.60	0.	6.783	6.829
	B	-20.80	0.	5.417	6.829
106	A	-20.80	0.	5.417	6.560
	B	-21.00	0.	4.105	6.560
107	A	-21.00	0.	4.105	6.056
	B	-21.20	0.	2.894	6.056
108	A	-21.20	0.	2.894	5.316
	B	-21.40	0.	1.831	5.316
109	A	-21.40	0.	1.831	4.341
	B	-21.60	0.	0.9625	4.341

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BEAM EL.	ESTREMO	QUOTA	MOMENTO SX	MOMENTO DX	TAGLIO
110	A	-21.60	0.	0.9625	3.130
	B	-21.80	0.	0.3366	3.130
111	A	-21.80	0.	0.3366	1.683
	B	-22.00	0.1673E-09	0.2728E-10	1.683

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PAG. 21

FORZE NEGLI ANCORAGGI ATTIVI (PER UNITA' DI PROFONDITA')

TIRANTE	Wire01	1 PARETE RightWall	QUOTA	-0.50000
		FASE 1 FORZA	150.00	kN/m
		FASE 2 FORZA	170.03	kN/m
		FASE 3 FORZA	156.69	kN/m
		FASE 4 FORZA	196.16	kN/m
TIRANTE	Wire2	1 PARETE RightWall	QUOTA	-4.0000
		FASE 1 inattivo		
		FASE 2 inattivo		
		FASE 3 FORZA	150.00	kN/m
		FASE 4 FORZA	228.52	kN/m

INVILUPPO RISULTATI NEGLI ELEMENTI TERRENO

* PARETE RightWall GRUPPO DHRight*

STEP 1 - 4

* I PASSI NON EQUILIBRATI SONO ESCLUSI *

Nella tabella si stampano i seguenti risultati:

SIGMA-H = massimo sforzo orizzontale efficace [kPa]

TAGLIO = massimo sforzo di taglio [kPa]

PR. ACQUA =massima pressione interstiziale [kPa]

GRAD. MAX =massimo gradiente idraulico

SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
1	0.	0.	0.	0.	0.
2	-0.2000	0.	0.	0.	0.
3	-0.4000	0.	0.	0.	0.
4	-0.5000	0.	0.	0.	0.
5	-0.7000	0.	1.900	0.	0.
6	-0.9000	0.	3.800	0.	0.
7	-1.100	0.	5.700	0.	0.
8	-1.300	0.	7.600	0.	0.
9	-1.500	3.328	7.836	0.	0.
10	-1.700	7.966	7.417	0.	0.
11	-1.900	12.59	7.004	0.	0.
12	-2.100	17.21	6.596	0.	0.
13	-2.300	21.81	6.196	0.	0.
14	-2.500	26.40	5.802	0.	0.
15	-2.700	30.97	5.417	0.	0.
16	-2.900	35.52	5.039	0.	0.
17	-3.100	40.06	4.671	0.	0.
18	-3.300	44.58	4.312	0.	0.
19	-3.500	49.08	3.962	0.	0.
20	-3.700	53.56	3.621	0.	0.
21	-3.900	58.02	3.291	0.	0.
22	-4.000	60.24	8.985	0.	0.
23	-4.200	64.67	10.88	2.074	0.3704E-01
24	-4.400	69.08	12.87	4.148	0.3704E-01
25	-4.600	73.47	14.41	6.222	0.3704E-01
26	-4.800	77.84	15.71	8.296	0.3704E-01
27	-5.000	81.01	19.56	10.37	0.3704E-01
28	-5.200	85.62	20.77	12.44	0.3704E-01
29	-5.400	90.20	21.89	14.52	0.3704E-01
30	-5.600	94.76	22.94	16.59	0.3704E-01
31	-5.800	99.28	23.93	18.67	0.3704E-01
32	-6.000	103.8	24.87	20.74	0.3704E-01
33	-6.200	108.2	25.78	22.81	0.3704E-01
34	-6.400	112.7	26.62	24.89	0.3704E-01
35	-6.600	117.0	27.40	26.96	0.3704E-01

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History 0 - HOMOROD

SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
36	-6.800	121.2	28.15	29.04	0.3704E-01
37	-7.000	125.5	28.87	31.11	0.3704E-01
38	-7.200	129.8	29.56	33.19	0.3704E-01
39	-7.400	134.0	34.16	35.26	0.1024
40	-7.600	138.2	36.92	37.33	0.1024
41	-7.800	142.4	39.00	39.41	0.1024
42	-8.000	146.5	40.73	41.48	0.1024
43	-8.200	150.7	42.24	43.56	0.1024
44	-8.400	154.8	43.60	45.63	0.1024
45	-8.600	159.0	44.83	47.70	0.1024
46	-8.800	163.1	45.96	49.78	0.1024
47	-9.000	167.1	47.02	51.85	0.1024
48	-9.200	171.2	48.00	53.93	0.1024
49	-9.400	175.3	48.93	56.00	0.1024
50	-9.600	179.3	49.80	58.07	0.1024
51	-9.800	183.3	50.62	60.15	0.1024
52	-10.00	187.4	51.40	62.22	0.1024
53	-10.20	191.4	52.14	64.30	0.1024
54	-10.40	195.3	52.85	66.37	0.1024
55	-10.60	199.3	53.52	68.44	0.1024
56	-10.80	203.3	54.16	70.52	0.1024
57	-11.00	207.3	54.78	72.59	0.1024
58	-11.20	211.2	55.36	74.67	0.1024
59	-11.40	215.1	55.92	76.74	0.1024
60	-11.60	219.1	56.46	78.81	0.1024
61	-11.80	223.0	56.97	80.89	0.1024
62	-12.00	226.9	57.46	82.96	0.1024
63	-12.20	230.8	57.94	85.04	0.1024
64	-12.40	234.7	58.39	87.11	0.1024
65	-12.60	238.6	58.83	89.19	0.1024
66	-12.80	242.5	59.25	91.26	0.1024
67	-13.00	246.4	59.65	93.33	0.1024
68	-13.20	250.3	60.04	95.41	0.1024
69	-13.40	254.1	60.42	97.48	0.1024
70	-13.60	258.0	60.78	99.56	0.1024
71	-13.80	261.9	61.13	101.6	0.1024
72	-14.00	265.7	61.47	103.7	0.1024
73	-14.20	269.6	61.80	105.8	0.1024
74	-14.40	273.4	62.12	107.9	0.1024
75	-14.60	277.3	62.43	109.9	0.1024
76	-14.80	281.1	62.74	112.0	0.1024
77	-15.00	286.7	71.74	114.1	0.1024
78	-15.20	290.6	71.97	116.1	0.1024
79	-15.40	294.4	72.18	118.2	0.1024
80	-15.60	298.2	72.39	120.3	0.1024
81	-15.80	302.0	72.59	122.4	0.1024

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History 0 - HOMOROD

SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
82	-16.00	305.8	72.79	124.4	0.1024
83	-16.20	309.6	72.99	126.5	0.1024
84	-16.40	313.4	73.18	128.6	0.1024
85	-16.60	317.3	73.36	130.7	0.1024
86	-16.80	321.1	73.55	132.7	0.1024
87	-17.00	324.9	73.73	134.8	0.1024
88	-17.20	328.7	73.91	136.9	0.1024
89	-17.40	332.5	74.09	139.0	0.1024
90	-17.60	336.3	74.26	141.0	0.1024
91	-17.80	340.1	74.44	143.1	0.1024
92	-18.00	343.9	74.61	145.2	0.1024
93	-18.20	347.7	74.79	147.3	0.1024
94	-18.40	351.6	74.96	149.3	0.1024
95	-18.60	355.4	75.13	151.4	0.1024
96	-18.80	359.2	75.31	153.5	0.1024
97	-19.00	363.0	75.48	155.6	0.1024
98	-19.20	366.8	75.65	157.6	0.1024
99	-19.40	370.6	75.82	159.7	0.1024
100	-19.60	374.4	75.99	161.8	0.1024
101	-19.80	378.2	76.16	163.9	0.1024
102	-20.00	382.1	76.33	165.9	0.1024
103	-20.20	385.9	76.50	168.0	0.1024
104	-20.40	389.7	76.67	170.1	0.1024
105	-20.60	393.5	76.84	172.1	0.1024
106	-20.80	397.3	77.01	174.2	0.1024
107	-21.00	401.1	77.18	176.3	0.1024
108	-21.20	404.9	77.35	178.4	0.1024
109	-21.40	408.8	77.52	180.4	0.1024
110	-21.60	412.6	77.69	182.5	0.1024
111	-21.80	416.4	77.85	184.6	0.1024
112	-22.00	420.2	78.02	186.7	0.1024
113	-22.20	424.7	80.30	188.7	0.1024
114	-22.40	428.6	80.72	190.8	0.1024
115	-22.60	432.5	81.15	192.9	0.1024
116	-22.80	436.4	81.57	195.0	0.1024
117	-23.00	440.3	82.00	197.0	0.1024
118	-23.20	444.2	82.42	199.1	0.1024
119	-23.40	448.1	82.85	201.2	0.1024
120	-23.60	452.0	83.27	203.3	0.1024
121	-23.80	455.9	83.69	205.3	0.1024
122	-24.00	459.8	84.12	207.4	0.1024
123	-24.20	463.7	84.54	209.5	0.1024
124	-24.40	467.6	84.96	211.6	0.1024
125	-24.60	471.5	85.39	213.6	0.1024
126	-24.80	475.4	85.81	215.7	0.1024
127	-25.00	479.3	86.23	217.8	0.1024

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History 0 - HOMOROD

SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
128	-25.20	483.2	86.66	219.9	0.1024
129	-25.40	487.1	87.08	221.9	0.1024
130	-25.60	491.0	87.50	224.0	0.1024
131	-25.80	494.9	87.92	226.1	0.1024
132	-26.00	498.8	88.34	228.1	0.1024
133	-26.20	502.7	88.77	230.2	0.1024
134	-26.40	506.6	89.19	232.3	0.1024
135	-26.60	510.5	89.61	234.4	0.1024
136	-26.80	514.4	90.03	236.4	0.1024
137	-27.00	518.3	90.45	238.5	0.1024
138	-27.20	522.2	90.87	240.6	0.1024
139	-27.40	526.1	91.29	242.7	0.1024
140	-27.60	530.0	91.71	244.7	0.1024
141	-27.80	533.9	92.13	246.8	0.1024
142	-28.00	537.8	92.55	248.9	0.1024
143	-28.20	541.7	92.97	251.0	0.1024
144	-28.40	545.6	93.39	253.0	0.1024
145	-28.60	549.5	93.81	255.1	0.1024
146	-28.80	553.4	94.23	257.2	0.1024
147	-29.00	557.3	94.65	259.3	0.1024
148	-29.20	561.2	95.07	261.3	0.1024
149	-29.40	565.1	95.49	263.4	0.1024
150	-29.60	569.0	95.91	265.5	0.1024
151	-29.80	572.9	96.33	267.6	0.1024
152	-30.00	576.8	96.75	269.6	0.1024

INVILUPPO RISULTATI NEGLI ELEMENTI TERRENO

* PARETE RightWall GRUPPO UHRight*

STEP 1 - 4

* I PASSI NON EQUILIBRATI SONO ESCLUSI *

Nella tabella si stampano i seguenti risultati:

SIGMA-H = massimo sforzo orizzontale efficace [kPa]

TAGLIO = massimo sforzo di taglio [kPa]

PR. ACQUA =massima pressione interstiziale [kPa]

GRAD. MAX =massimo gradiente idraulico

SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
1	0.	19.25	9.623	0.	0.
2	-0.2000	22.29	9.246	0.	0.
3	-0.4000	25.34	8.869	0.	0.
4	-0.5000	26.86	8.681	0.	0.
5	-0.7000	29.91	8.304	0.	0.
6	-0.9000	32.96	7.928	0.	0.
7	-1.100	36.01	7.554	0.	0.
8	-1.300	39.07	7.221	0.	0.
9	-1.500	42.13	7.975	0.	0.
10	-1.700	45.20	8.725	0.	0.
11	-1.900	48.28	9.468	0.	0.
12	-2.100	51.37	10.20	0.9630	0.1024
13	-2.300	54.48	10.93	2.889	0.1024
14	-2.500	57.59	11.65	4.815	0.1024
15	-2.700	60.72	12.36	6.741	0.1024
16	-2.900	63.86	13.06	8.667	0.1024
17	-3.100	67.02	13.75	10.59	0.1024
18	-3.300	70.20	14.43	12.52	0.1024
19	-3.500	73.39	15.10	14.44	0.1024
20	-3.700	76.60	15.75	16.37	0.1024
21	-3.900	79.82	16.40	18.30	0.1024
22	-4.000	81.44	16.72	19.26	0.1024
23	-4.200	84.70	17.34	21.19	0.1024
24	-4.400	87.97	17.96	23.11	0.1024
25	-4.600	91.25	18.47	25.04	0.1024
26	-4.800	94.56	18.61	26.96	0.1024
27	-5.000	99.33	25.48	28.89	0.1024
28	-5.200	102.5	25.82	30.81	0.1024
29	-5.400	105.8	26.14	32.74	0.1024
30	-5.600	109.1	26.43	34.67	0.1024
31	-5.800	112.4	26.70	36.59	0.1024
32	-6.000	115.7	26.94	38.52	0.1024
33	-6.200	119.0	27.16	40.44	0.1024
34	-6.400	122.4	27.35	42.37	0.1024
35	-6.600	125.7	27.56	44.30	0.1024

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SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
36	-6.800	129.0	27.76	46.22	0.1024
37	-7.000	132.3	27.93	48.15	0.1024
38	-7.200	135.7	28.06	50.07	0.1024
39	-7.400	139.1	28.16	52.00	0.1024
40	-7.600	142.5	28.23	53.93	0.1024
41	-7.800	146.0	28.27	55.85	0.1024
42	-8.000	149.5	28.28	57.78	0.1024
43	-8.200	153.0	28.26	59.70	0.1024
44	-8.400	156.5	28.21	61.63	0.1024
45	-8.600	160.1	28.12	63.56	0.1024
46	-8.800	163.6	28.01	65.48	0.1024
47	-9.000	167.3	27.88	67.41	0.1024
48	-9.200	170.9	27.71	69.33	0.1024
49	-9.400	174.6	27.52	71.26	0.1024
50	-9.600	178.2	27.30	73.19	0.1024
51	-9.800	181.9	27.05	75.11	0.1024
52	-10.00	185.7	26.78	77.04	0.1024
53	-10.20	189.4	26.49	78.96	0.1024
54	-10.40	193.1	26.17	80.89	0.1024
55	-10.60	196.9	25.83	82.81	0.1024
56	-10.80	200.7	25.47	84.74	0.1024
57	-11.00	204.5	25.09	86.67	0.1024
58	-11.20	208.3	24.68	88.59	0.1024
59	-11.40	212.2	24.26	90.52	0.1024
60	-11.60	216.0	23.82	92.44	0.1024
61	-11.80	219.9	23.36	94.37	0.1024
62	-12.00	223.8	22.88	96.30	0.1024
63	-12.20	227.7	22.38	98.22	0.1024
64	-12.40	231.6	21.87	100.1	0.1024
65	-12.60	235.5	21.35	102.1	0.1024
66	-12.80	239.4	20.81	104.0	0.1024
67	-13.00	243.3	20.25	105.9	0.1024
68	-13.20	247.2	19.68	107.9	0.1024
69	-13.40	251.2	19.10	109.8	0.1024
70	-13.60	255.1	18.51	111.7	0.1024
71	-13.80	259.1	17.91	113.6	0.1024
72	-14.00	263.1	17.30	115.6	0.1024
73	-14.20	267.0	16.68	117.5	0.1024
74	-14.40	271.0	16.05	119.4	0.1024
75	-14.60	275.0	15.41	121.3	0.1024
76	-14.80	279.0	14.77	123.3	0.1024
77	-15.00	280.8	24.85	125.2	0.1024
78	-15.20	284.8	24.11	127.1	0.1024
79	-15.40	288.8	23.37	129.0	0.1024
80	-15.60	292.8	22.62	131.0	0.1024
81	-15.80	296.9	21.86	132.9	0.1024

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SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
82	-16.00	300.9	21.11	134.8	0.1024
83	-16.20	304.9	20.35	136.7	0.1024
84	-16.40	309.0	19.58	138.7	0.1024
85	-16.60	313.0	18.82	140.6	0.1024
86	-16.80	317.0	18.05	142.5	0.1024
87	-17.00	321.0	17.28	144.4	0.1024
88	-17.20	325.1	16.52	146.4	0.1024
89	-17.40	329.1	15.75	148.3	0.1024
90	-17.60	333.1	14.98	150.2	0.1024
91	-17.80	337.2	14.21	152.1	0.1024
92	-18.00	341.2	14.03	154.1	0.1024
93	-18.20	345.2	14.62	156.0	0.1024
94	-18.40	349.3	15.21	157.9	0.1024
95	-18.60	353.3	15.80	159.9	0.1024
96	-18.80	357.3	16.39	161.8	0.1024
97	-19.00	361.4	16.98	163.7	0.1024
98	-19.20	365.4	17.57	165.6	0.1024
99	-19.40	369.4	18.16	167.6	0.1024
100	-19.60	373.4	18.74	169.5	0.1024
101	-19.80	377.5	19.32	171.4	0.1024
102	-20.00	381.5	19.91	173.3	0.1024
103	-20.20	385.5	20.49	175.3	0.1024
104	-20.40	389.6	21.07	177.2	0.1024
105	-20.60	393.6	21.65	179.1	0.1024
106	-20.80	397.6	22.24	181.0	0.1024
107	-21.00	401.6	22.82	183.0	0.1024
108	-21.20	405.7	23.40	184.9	0.1024
109	-21.40	409.7	23.98	186.8	0.1024
110	-21.60	413.7	24.56	188.7	0.1024
111	-21.80	417.7	25.14	190.7	0.1024
112	-22.00	421.8	25.72	192.6	0.1024
113	-22.20	424.7	24.51	194.5	0.1024
114	-22.40	428.6	24.92	196.4	0.1024
115	-22.60	432.5	25.34	198.4	0.1024
116	-22.80	436.4	25.75	200.3	0.1024
117	-23.00	440.3	26.17	202.2	0.1024
118	-23.20	444.2	26.58	204.1	0.1024
119	-23.40	448.1	27.00	206.1	0.1024
120	-23.60	452.0	27.41	208.0	0.1024
121	-23.80	455.9	27.83	209.9	0.1024
122	-24.00	459.8	28.24	211.9	0.1024
123	-24.20	463.7	28.66	213.8	0.1024
124	-24.40	467.6	29.07	215.7	0.1024
125	-24.60	471.5	29.48	217.6	0.1024
126	-24.80	475.4	29.90	219.6	0.1024
127	-25.00	479.3	30.31	221.5	0.1024

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SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
128	-25.20	483.2	30.73	223.4	0.1024
129	-25.40	487.1	31.14	225.3	0.1024
130	-25.60	491.0	31.56	227.3	0.1024
131	-25.80	494.9	31.97	229.2	0.1024
132	-26.00	498.8	32.38	231.1	0.1024
133	-26.20	502.7	32.80	233.0	0.1024
134	-26.40	506.6	33.21	235.0	0.1024
135	-26.60	510.5	33.63	236.9	0.1024
136	-26.80	514.4	34.04	238.8	0.1024
137	-27.00	518.3	34.46	240.7	0.1024
138	-27.20	522.2	34.87	242.7	0.1024
139	-27.40	526.1	35.28	244.6	0.1024
140	-27.60	530.0	35.70	246.5	0.1024
141	-27.80	533.9	36.11	248.4	0.1024
142	-28.00	537.8	36.52	250.4	0.1024
143	-28.20	541.7	36.94	252.3	0.1024
144	-28.40	545.6	37.35	254.2	0.1024
145	-28.60	549.5	37.77	256.1	0.1024
146	-28.80	553.4	38.18	258.1	0.1024
147	-29.00	557.3	38.59	260.0	0.1024
148	-29.20	561.2	39.01	261.9	0.1024
149	-29.40	565.1	39.42	263.9	0.1024
150	-29.60	569.0	39.84	265.8	0.1024
151	-29.80	572.9	40.25	267.7	0.1024
152	-30.00	576.8	40.66	269.6	0.1024

RIASSUNTO SPINTE NEGLI ELEMENTI TERRENO
(LE SPINTE SONO CALCOLATE INTEGRANDO GLI SFORZI NEI SINGOLI ELEMENTI MOLLA)

SPINTA EFFICACE VERA = Integrale delle pressioni orizzontali efficaci in tutti gli elementi nel gruppo: unita' di misura kN/m

SPINTA ACQUA = Integrale delle pressioni interstiziali in tutti gli elementi nel gruppo: unita' di misura kN/m

SPINTA TOTALE VERA = Somma della SPINTA EFFICACE e della SPINTA DELL'ACQUA: e' l' azione totale sulla parete: unita' di misura kN/m

SPINTA ATTIVA POSSIBILE = La minima spinta che puo' essere esercitata da questo gruppo di elementi terreno, in questa fase: unita' di misura kN/m

SPINTA PASSIVA POSSIBILE = La massima spinta che puo' essere esercitata da questo gruppo di elementi terreno, in questa fase: unita' di misura kN/m

RAPPORTO PASSIVA/VERA = e' il rapporto tra la massima spinta possibile e la spinta efficace vera: fornisce un'indicazione su quanta spinta passiva venga mobilitata;

SPINTA PASSIVA MOBILITATA = e' l'inverso del rapporto precedente, espresso in unita' percentuale: indica quanta parte della massima spinta possibile e' stata mobilitata;

RAPPORTO VERA/ATTIVA = e' il rapporto tra la spinta efficace vera e la minima spinta possibile: fornisce un'indicazione di quanto questa porzione di terreno sia prossima alla condizione di massimo rilascio.

FASE	1	GRUPPO -->	DHRi	UHRi
		SPINTA EFFICACE VERA	8476.5	8615.1
		SPINTA ACQUA	0.	0.
		SPINTA TOTALE VERA	8476.5	8615.1
		SPINTA ATTIVA (POSSIBILE)	1376.7	1455.3
		SPINTA PASSIVA (POSSIBILE)	33223.	34194.
		RAPPORTO PASSIVA/VERA	3.9194	3.9691
		SPINTA PASSIVA MOBILITATA	26.%	25.%
		RAPPORTO VERA/ATTIVA	6.1571	5.9197

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FASE	2	GRUPPO -->	DHRi	UHRi
		SPINTA EFFICACE VERA	5732.2	5619.6
		SPINTA ACQUA	3505.2	3774.9
		SPINTA TOTALE VERA	9237.4	9394.5
		SPINTA ATTIVA (POSSIBILE)	26.328	233.91
		SPINTA PASSIVA (POSSIBILE)	15209.	21665.
		RAPPORTO PASSIVA/VERA	2.6533	3.8552
		SPINTA PASSIVA MOBILITATA	38.%	26.%
		RAPPORTO VERA/ATTIVA	217.72	24.024

FASE	3	GRUPPO -->	DHRi	UHRi
		SPINTA EFFICACE VERA	5695.1	5708.8
		SPINTA ACQUA	3505.2	3774.9
		SPINTA TOTALE VERA	9200.3	9483.6
		SPINTA ATTIVA (POSSIBILE)	26.328	233.91
		SPINTA PASSIVA (POSSIBILE)	15209.	21665.
		RAPPORTO PASSIVA/VERA	2.6706	3.7951
		SPINTA PASSIVA MOBILITATA	37.%	26.%
		RAPPORTO VERA/ATTIVA	216.31	24.405

FASE	4	GRUPPO -->	DHRi	UHRi
		SPINTA EFFICACE VERA	5499.3	5238.2
		SPINTA ACQUA	2865.3	3518.8
		SPINTA TOTALE VERA	8364.6	8757.0
		SPINTA ATTIVA (POSSIBILE)	0.	448.24
		SPINTA PASSIVA (POSSIBILE)	11892.	24805.
		RAPPORTO PASSIVA/VERA	2.1625	4.7355
		SPINTA PASSIVA MOBILITATA	46.%	21.%
		RAPPORTO VERA/ATTIVA	0.10000E+06	11.686

OUTPUT PLOTS:

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PAG. 1

```
*****  
**  
**          P  A  R  A  T  I  E          **  
**  
**          RELEASE 7.00  VERSIONE WIN  **  
**  
**  Ce.A.S. s.r.l. - Viale Giustiniano, 10  **  
**                      20129 MILANO      **  
**  
*****
```

JOBNAME C:\Users\Tecnico5\Desktop\Nuova cartella (3)\File Paratie Homorod L

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ELENCO DEI DATI DI INPUT(PARAGEN)

Per il significato dei vari comandi
si faccia riferimento al manuale di
input PARAGEN, versione 7.00.

N. comando

```
1: * Paratie for Windows version 7.0
2: * Filename= <c:\users\tecnico5\desktop\nuova cartella (3)\file paratie
  homorod 1
3: * project with "run time" parameters
4: * Force=kN Lenght=m
5: *
6: units m kN
7: title History 0 - HOMOROD
8: delta 0.2
9: option param itemax 20
10: option noprint echo
11: option noprint displ
12: option noprint react
13: option noprint stresses
14:   wall RightWall 0 -30 0
15: *
16: soil DHRight RightWall -30 0 2 0
17: soil UHRight RightWall -30 0 1 180
18: *
19: material Pali 3.2308E+007
20: material Acciaio 2.1E+008
21: *
22: beam Right_wall RightWall -25 0 Pali 0.979439 00 00
23: *
24: wire Wire01 RightWall -0.5 Acciaio 2.87179E-005 150 157.5
25: wire Wire2 RightWall -4 Acciaio 4.30769E-005 150 157.5
26: wire Wire3 RightWall -8 Acciaio 4.30769E-005 300 157.5
27: *
28: * Soil Profile
29: *
30:   ldata           Soil 0
31:     weight       19 9 10
32:     atrest       1 0.5 1
33:     resistance   20 25 0.359 3.319
34:     young        12000 17000
35:   endlayer
36:   ldata           Soil2 -5
37:     weight       19.5 9.5 10
38:     atrest       1 0.5 1
```


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N. comando

```
39:      resistance 45 25 0.359 3.319
40:      young      18000 23000
41:      endlayer
42:      ldata      Soil3 -15
43:      weight     19.5 9.5 10
44:      atrest     1 0.5 1
45:      resistance 60 25 0.359 3.319
46:      young      25000 30000
47:      endlayer
48: *
49: step 1 :
50:      setwall RightWall
51:      geom 0 -0.5
52:      add Wire01
53: endstep
54: *
55: step 2 :
56:      setwall RightWall
57:      geom 0 -4
58:      water -2 2
59: endstep
60: *
61: step 3 :
62:      setwall RightWall
63:      add Wire2
64: endstep
65: *
66: step 4 :
67:      setwall RightWall
68:      geom 0 -8.5
69:      water -2 6.5
70: endstep
71: *
72: step 5 :
73:      setwall RightWall
74:      add Wire3
75: endstep
76: *
77: step 6 :
78:      setwall RightWall
79:      geom 0 -10.2
80:      water -2 8.2
81:      surcharge 23 0 0 0
82: endstep
83: *
84: *
```

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 1

LAYER Soil			
natura 1=granulare, 2=argilla	=	1.0000	
quota superiore	=	0.0000	m
quota inferiore	=	-5.0000	m
peso fuori falda	=	19.000	kN/m ³
peso efficace in falda	=	9.0000	kN/m ³
peso dell'acqua	=	10.000	kN/m ³
coesione	=	20.000	kPa (A MONTE)
angolo di attrito	=	25.000	DEG (A MONTE)
coeff. spinta attiva ka	=	0.35900	(A MONTE)
coeff. spinta passiva kp	=	3.3190	(A MONTE)
Konc normal consolidato	=	1.0000	
esponente di OCR	=	0.50000	
OCR: grado di sovraconsolidazione	=	1.0000	
modello di rigidità	=	1.0000	
modulo el. compr. vergine	=	12000.	kPa
modulo el. scarico/ricarico	=	17000.	kPa
natura 1=granulare, 2=argilla	=	1.0000	(A VALLE)
coesione	=	20.000	kPa (A VALLE)
angolo di attrito	=	25.000	DEG (A VALLE)
coeff. spinta attiva ka	=	0.35900	(A VALLE)
coeff. spinta passiva kp	=	3.3190	(A VALLE)
LAYER Soil2			
natura 1=granulare, 2=argilla	=	1.0000	
quota superiore	=	-5.0000	m
quota inferiore	=	-15.000	m
peso fuori falda	=	19.500	kN/m ³
peso efficace in falda	=	9.5000	kN/m ³
peso dell'acqua	=	10.000	kN/m ³
coesione	=	45.000	kPa (A MONTE)
angolo di attrito	=	25.000	DEG (A MONTE)
coeff. spinta attiva ka	=	0.35900	(A MONTE)
coeff. spinta passiva kp	=	3.3190	(A MONTE)
Konc normal consolidato	=	1.0000	
esponente di OCR	=	0.50000	
OCR: grado di sovraconsolidazione	=	1.0000	
modello di rigidità	=	1.0000	
modulo el. compr. vergine	=	18000.	kPa
modulo el. scarico/ricarico	=	23000.	kPa
natura 1=granulare, 2=argilla	=	1.0000	(A VALLE)
coesione	=	45.000	kPa (A VALLE)

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RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 1

angolo di attrito	= 25.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.35900		(A VALLE)
coeff. spinta passiva kp	= 3.3190		(A VALLE)

LAYER Soil3

natura 1=granulare, 2=argilla	= 1.0000		
quota superiore	= -15.000	m	
quota inferiore	= -0.10000E+31	m	
peso fuori falda	= 19.500	kN/m ³	
peso efficace in falda	= 9.5000	kN/m ³	
peso dell'acqua	= 10.000	kN/m ³	
coesione	= 60.000	kPa	(A MONTE)
angolo di attrito	= 25.000	DEG	(A MONTE)
coeff. spinta attiva ka	= 0.35900		(A MONTE)
coeff. spinta passiva kp	= 3.3190		(A MONTE)
Konc normal consolidato	= 1.0000		
esponente di OCR	= 0.50000		
OCR: grado di sovraconsolidazione	= 1.0000		
modello di rigidezza	= 1.0000		
modulo el. compr. vergine	= 25000.	kPa	
modulo el. scarico/ricarico	= 30000.	kPa	
natura 1=granulare, 2=argilla	= 1.0000		(A VALLE)
coesione	= 60.000	kPa	(A VALLE)
angolo di attrito	= 25.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.35900		(A VALLE)
coeff. spinta passiva kp	= 3.3190		(A VALLE)

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 2

(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 3

(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 4

(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 5

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(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 6

(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE

RIASSUNTO DATI RELATIVI ALLA FASE 1

WALL RightWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-0.50000	m
quota della falda	=	-0.99900E+30	m
sovraccarico a monte	=	0.0000	kPa
quota del sovraccarico a monte	=	0.0000	m
depressione falda a valle	=	0.0000	m
sovraccarico a valle	=	0.0000	kPa
quota del sovraccarico a valle	=	-0.99900E+30	m
quota di taglio	=	0.0000	m
quota di equil. pressioni dell'acqua	=	-30.000	m
indicatore comportamento acqua	=	0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	=	0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 2

WALL RightWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-4.0000	m
quota della falda	=	-2.0000	m
sovraccarico a monte	=	0.0000	kPa
quota del sovraccarico a monte	=	0.0000	m
depressione falda a valle	=	2.0000	m
sovraccarico a valle	=	0.0000	kPa
quota del sovraccarico a valle	=	-0.99900E+30	m
quota di taglio	=	0.0000	m
quota di equil. pressioni dell'acqua	=	-30.000	m
indicatore comportamento acqua	=	0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	=	0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 3

WALL RightWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-4.0000	m
quota della falda	=	-2.0000	m
sovraccarico a monte	=	0.0000	kPa

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RIASSUNTO DATI RELATIVI ALLA FASE 3

quota del sovraccarico a monte	=	0.0000	m
depressione falda a valle	=	2.0000	m
sovraccarico a valle	=	0.0000	kPa
quota del sovraccarico a valle	=	-0.99900E+30	m
quota di taglio	=	0.0000	m
quota di equil. pressioni dell'acqua	=	-30.0000	m
indicatore comportamento acqua	=	0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	=	0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 4

WALL RightWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-8.5000	m
quota della falda	=	-2.0000	m
sovraccarico a monte	=	0.0000	kPa
quota del sovraccarico a monte	=	0.0000	m
depressione falda a valle	=	6.5000	m
sovraccarico a valle	=	0.0000	kPa
quota del sovraccarico a valle	=	-0.99900E+30	m
quota di taglio	=	0.0000	m
quota di equil. pressioni dell'acqua	=	-30.0000	m
indicatore comportamento acqua	=	0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	=	0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 5

WALL RightWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-8.5000	m
quota della falda	=	-2.0000	m
sovraccarico a monte	=	0.0000	kPa
quota del sovraccarico a monte	=	0.0000	m
depressione falda a valle	=	6.5000	m
sovraccarico a valle	=	0.0000	kPa
quota del sovraccarico a valle	=	-0.99900E+30	m
quota di taglio	=	0.0000	m
quota di equil. pressioni dell'acqua	=	-30.0000	m
indicatore comportamento acqua	=	0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	=	0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 6

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WALL RightWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-10.200	m
quota della falda	=	-2.0000	m
sovraccarico a monte	=	23.000	kPa
quota del sovraccarico a monte	=	0.0000	m
depressione falda a valle	=	8.2000	m
sovraccarico a valle	=	0.0000	kPa
quota del sovraccarico a valle	=	0.0000	m
quota di taglio	=	0.0000	m
quota di equil. pressioni dell'acqua	=	-30.000	m
indicatore comportamento acqua	=	0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	=	0.0000	(1=NO UPD)

RIASSUNTO ELEMENTI

=====

RIASSUNTO ELEMENTI SOIL						
Name	Wall	Z1	Z2	Flag	Angle	
		m	m		deg	
DHRight	RightWall	0.	-30.00	DOWNHILL	0.	
UHRight	RightWall	0.	-30.00	UPHILL	180.0	

RIASSUNTO ELEMENTI BEAM						
Name	Wall	Z1	Z2	Mat	thick	
		m	m		m	
Right_wall	RightWall	0.	-25.00	_	0.9794	

RIASSUNTO ELEMENTI WIRE						
Name	Wall	Zeta	Mat	A/L	Pinit	Angle
		m			kN/m	deg
Wire01	RightWall	-.5000	_	0.2872E-04	150.0	157.5
Wire2	RightWall	-4.000	_	0.4308E-04	150.0	157.5
Wire3	RightWall	-8.000	_	0.4308E-04	300.0	157.5

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RIASSUNTO DATI VARI
=====

MATERIALI	
Name	YOUNG MODULUS
	kPa
Pali	3.2308E+007
Acci	2.1E+008

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RIASSUNTO ANALISI INCREMENTALE

FASE	N. DI ITERAZIONI	CONVERGENZA
1	3	SI
2	2	SI
3	2	SI
4	2	SI
5	2	SI
6	2	SI

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MASSIMI SPOSTAMENTI LATERALI

TUTTI I PASSI

* PARETE RightWall*

* I PASSI NON EQUILIBRATI SONO ESCLUSI *

* NOTA: LE QUOTE ESPRESSE IN m

E GLI SPOSTAMENTI IN m

NODO	QUOTA ZETA	SPOSTAMENTO MASSIMO	FASE PARETE RightWall
1	0.0000	0.40836E-02	1
2	-0.20000	0.39238E-02	1
3	-0.40000	0.37641E-02	1
4	-0.50000	-0.39174E-02	6
5	-0.70000	-0.44903E-02	6
6	-0.90000	-0.50628E-02	6
7	-1.1000	-0.56343E-02	6
8	-1.3000	-0.62044E-02	6
9	-1.5000	-0.67727E-02	6
10	-1.7000	-0.73387E-02	6
11	-1.9000	-0.79021E-02	6
12	-2.1000	-0.84624E-02	6
13	-2.3000	-0.90194E-02	6
14	-2.5000	-0.95727E-02	6
15	-2.7000	-0.10122E-01	6
16	-2.9000	-0.10667E-01	6
17	-3.1000	-0.11208E-01	6
18	-3.3000	-0.11744E-01	6
19	-3.5000	-0.12275E-01	6
20	-3.7000	-0.12802E-01	6
21	-3.9000	-0.13324E-01	6
22	-4.0000	-0.13583E-01	6
23	-4.2000	-0.14097E-01	6
24	-4.4000	-0.14605E-01	6
25	-4.6000	-0.15107E-01	6
26	-4.8000	-0.15602E-01	6
27	-5.0000	-0.16090E-01	6
28	-5.2000	-0.16570E-01	6
29	-5.4000	-0.17041E-01	6
30	-5.6000	-0.17503E-01	6
31	-5.8000	-0.17956E-01	6
32	-6.0000	-0.18399E-01	6
33	-6.2000	-0.18832E-01	6
34	-6.4000	-0.19255E-01	6
35	-6.6000	-0.19667E-01	6
36	-6.8000	-0.20069E-01	6
37	-7.0000	-0.20459E-01	6
38	-7.2000	-0.20839E-01	6

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NODO	QUOTA ZETA	SPOSTAMENTO MASSIMO	FASE PARETE RightWall
39	-7.4000	-0.21209E-01	6
40	-7.6000	-0.21567E-01	6
41	-7.8000	-0.21915E-01	6
42	-8.0000	-0.22253E-01	6
43	-8.2000	-0.22580E-01	6
44	-8.4000	-0.22896E-01	6
45	-8.6000	-0.23201E-01	6
46	-8.8000	-0.23493E-01	6
47	-9.0000	-0.23773E-01	6
48	-9.2000	-0.24040E-01	6
49	-9.4000	-0.24293E-01	6
50	-9.6000	-0.24532E-01	6
51	-9.8000	-0.24757E-01	6
52	-10.000	-0.24967E-01	6
53	-10.200	-0.25164E-01	6
54	-10.400	-0.25346E-01	6
55	-10.600	-0.25514E-01	6
56	-10.800	-0.25668E-01	6
57	-11.000	-0.25807E-01	6
58	-11.200	-0.25934E-01	6
59	-11.400	-0.26046E-01	6
60	-11.600	-0.26145E-01	6
61	-11.800	-0.26231E-01	6
62	-12.000	-0.26305E-01	6
63	-12.200	-0.26366E-01	6
64	-12.400	-0.26414E-01	6
65	-12.600	-0.26451E-01	6
66	-12.800	-0.26476E-01	6
67	-13.000	-0.26490E-01	6
68	-13.200	-0.26493E-01	6
69	-13.400	-0.26485E-01	6
70	-13.600	-0.26468E-01	6
71	-13.800	-0.26441E-01	6
72	-14.000	-0.26404E-01	6
73	-14.200	-0.26359E-01	6
74	-14.400	-0.26306E-01	6
75	-14.600	-0.26244E-01	6
76	-14.800	-0.26176E-01	6
77	-15.000	-0.26100E-01	6
78	-15.200	-0.26018E-01	6
79	-15.400	-0.25929E-01	6
80	-15.600	-0.25836E-01	6
81	-15.800	-0.25737E-01	6
82	-16.000	-0.25633E-01	6
83	-16.200	-0.25526E-01	6
84	-16.400	-0.25414E-01	6

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NODO	QUOTA ZETA	SPOSTAMENTO MASSIMO	FASE PARETE RightWall
85	-16.600	-0.25299E-01	6
86	-16.800	-0.25180E-01	6
87	-17.000	-0.25059E-01	6
88	-17.200	-0.24935E-01	6
89	-17.400	-0.24809E-01	6
90	-17.600	-0.24680E-01	6
91	-17.800	-0.24550E-01	6
92	-18.000	-0.24418E-01	6
93	-18.200	-0.24284E-01	6
94	-18.400	-0.24150E-01	6
95	-18.600	-0.24014E-01	6
96	-18.800	-0.23878E-01	6
97	-19.000	-0.23740E-01	6
98	-19.200	-0.23602E-01	6
99	-19.400	-0.23464E-01	6
100	-19.600	-0.23325E-01	6
101	-19.800	-0.23186E-01	6
102	-20.000	-0.23047E-01	6
103	-20.200	-0.22907E-01	6
104	-20.400	-0.22768E-01	6
105	-20.600	-0.22628E-01	6
106	-20.800	-0.22489E-01	6
107	-21.000	-0.22350E-01	6
108	-21.200	-0.22211E-01	6
109	-21.400	-0.22071E-01	6
110	-21.600	-0.21933E-01	6
111	-21.800	-0.21794E-01	6
112	-22.000	-0.21655E-01	6
113	-22.200	-0.21517E-01	6
114	-22.400	-0.21379E-01	6
115	-22.600	-0.21241E-01	6
116	-22.800	-0.21103E-01	6
117	-23.000	-0.20965E-01	6
118	-23.200	-0.20828E-01	6
119	-23.400	-0.20690E-01	6
120	-23.600	-0.20553E-01	6
121	-23.800	-0.20416E-01	6
122	-24.000	-0.20278E-01	6
123	-24.200	-0.20141E-01	6
124	-24.400	-0.20004E-01	6
125	-24.600	-0.19867E-01	6
126	-24.800	-0.19730E-01	6
127	-25.000	-0.19593E-01	6
128	-25.200	-0.20135E-01	6
129	-25.400	-0.20102E-01	6
130	-25.600	-0.20069E-01	6

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NODO	QUOTA ZETA	SPOSTAMENTO MASSIMO	FASE PARETE RightWall
131	-25.800	-0.20036E-01	6
132	-26.000	-0.20004E-01	6
133	-26.200	-0.19971E-01	6
134	-26.400	-0.19939E-01	6
135	-26.600	-0.19907E-01	6
136	-26.800	-0.19875E-01	6
137	-27.000	-0.19843E-01	6
138	-27.200	-0.19812E-01	6
139	-27.400	-0.19781E-01	6
140	-27.600	-0.19749E-01	6
141	-27.800	-0.19718E-01	6
142	-28.000	-0.19687E-01	6
143	-28.200	-0.19656E-01	6
144	-28.400	-0.19626E-01	6
145	-28.600	-0.19595E-01	6
146	-28.800	-0.19565E-01	6
147	-29.000	-0.19534E-01	6
148	-29.200	-0.19504E-01	6
149	-29.400	-0.19474E-01	6
150	-29.600	-0.19444E-01	6
151	-29.800	-0.19414E-01	6
152	-30.000	-0.19384E-01	6

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INVILUPPO AZIONI INTERNE NEGLI ELEMENTI DI PARETE
 (PER UNITA' DI PROFONDITA')

* PARETE RightWall GRUPPO Right_wall*

STEP 1 - 6

* I PASSI NON EQUILIBRATI SONO ESCLUSI *

Nella tabella si stampano i seguenti risultati:

MOMENTO SX = Momento che tende le fibre sulla faccia sinistra [kN*m/m]

MOMENTO DX = Momento che tende le fibre sulla faccia destra [kN*m/m]

TAGLIO = forza tagliante (valore assoluto, priva di segno)[kN/m]

BEAM EL.	ESTREMO	QUOTA	MOMENTO SX	MOMENTO DX	TAGLIO
1	A	0.	0.9095E-10	0.2765E-09	2.573
	B	-0.2000	0.	0.5147	2.573
2	A	-0.2000	0.	0.5147	8.102
	B	-0.4000	0.	2.135	8.102
3	A	-0.4000	0.	2.135	12.53
	B	-0.5000	0.	3.389	12.53
4	A	-0.5000	0.	3.389	162.7
	B	-0.7000	31.67	0.	162.7
5	A	-0.7000	31.67	0.	160.2
	B	-0.9000	63.72	0.	160.2
6	A	-0.9000	63.72	0.	157.4
	B	-1.100	95.20	0.	157.4
7	A	-1.100	95.20	0.	154.1
	B	-1.300	126.0	0.	154.1
8	A	-1.300	126.0	0.	150.5
	B	-1.500	156.1	0.	150.5
9	A	-1.500	156.1	0.	146.5
	B	-1.700	185.4	0.	146.5
10	A	-1.700	185.4	0.	142.1
	B	-1.900	213.9	0.	142.1
11	A	-1.900	213.9	0.	137.3
	B	-2.100	241.3	0.	137.3
12	A	-2.100	241.3	0.	132.0
	B	-2.300	267.7	0.	132.0
13	A	-2.300	267.7	0.	126.1
	B	-2.500	292.9	0.	126.1
14	A	-2.500	292.9	0.	119.7
	B	-2.700	316.9	0.	119.7
15	A	-2.700	316.9	0.	112.7
	B	-2.900	339.4	0.	112.7
16	A	-2.900	339.4	0.	105.1
	B	-3.100	360.4	0.	105.1
17	A	-3.100	360.4	0.	96.93
	B	-3.300	379.8	0.	96.93

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BEAM EL.	ESTREMO	QUOTA	MOMENTO SX	MOMENTO DX	TAGLIO
18	A	-3.300	379.8	0.	88.17
	B	-3.500	397.5	0.	88.17
19	A	-3.500	397.5	0.	78.84
	B	-3.700	413.2	0.	78.84
20	A	-3.700	413.2	0.	68.91
	B	-3.900	427.0	0.	68.91
21	A	-3.900	427.0	0.	61.02
	B	-4.000	433.1	0.	61.02
22	A	-4.000	433.1	0.	266.0
	B	-4.200	486.3	0.	266.0
23	A	-4.200	486.3	0.	254.6
	B	-4.400	537.2	0.	254.6
24	A	-4.400	537.2	0.	242.6
	B	-4.600	585.8	0.	242.6
25	A	-4.600	585.8	0.	230.0
	B	-4.800	631.8	0.	230.0
26	A	-4.800	631.8	0.	216.7
	B	-5.000	675.1	0.	216.7
27	A	-5.000	675.1	0.	205.4
	B	-5.200	716.2	0.	205.4
28	A	-5.200	716.2	0.	193.6
	B	-5.400	754.9	0.	193.6
29	A	-5.400	754.9	0.	181.2
	B	-5.600	791.1	0.	181.2
30	A	-5.600	791.1	0.	168.2
	B	-5.800	824.8	0.	168.2
31	A	-5.800	824.8	0.	154.7
	B	-6.000	855.7	0.	154.7
32	A	-6.000	855.7	0.	140.6
	B	-6.200	883.8	0.	140.6
33	A	-6.200	883.8	0.	125.9
	B	-6.400	909.0	0.	125.9
34	A	-6.400	909.0	0.	110.6
	B	-6.600	931.1	0.	110.6
35	A	-6.600	931.1	0.	94.63
	B	-6.800	950.0	0.	94.63
36	A	-6.800	950.0	0.	78.10
	B	-7.000	965.7	0.	78.10
37	A	-7.000	965.7	0.	60.94
	B	-7.200	977.8	0.	60.94
38	A	-7.200	977.8	0.	71.05
	B	-7.400	986.5	0.	71.05
39	A	-7.400	986.5	0.	92.44
	B	-7.600	991.4	0.	92.44
40	A	-7.600	991.4	0.	114.5
	B	-7.800	992.5	0.	114.5

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PAG. 19

BEAM EL.	ESTREMO	QUOTA	MOMENTO SX	MOMENTO DX	TAGLIO
41	A	-7.800	992.5	0.	137.2
	B	-8.000	989.7	0.	137.2
42	A	-8.000	989.7	0.	239.5
	B	-8.200	982.7	0.	239.5
43	A	-8.200	982.7	0.	217.5
	B	-8.400	971.5	0.	217.5
44	A	-8.400	971.5	0.	194.8
	B	-8.600	955.9	0.	194.8
45	A	-8.600	955.9	0.	171.4
	B	-8.800	938.8	0.	171.4
46	A	-8.800	938.8	0.	147.4
	B	-9.000	920.3	0.	147.4
47	A	-9.000	920.3	0.	122.6
	B	-9.200	900.8	0.	122.6
48	A	-9.200	900.8	0.	102.1
	B	-9.400	880.4	0.	102.1
49	A	-9.400	880.4	0.	106.0
	B	-9.600	894.2	0.	106.0
50	A	-9.600	894.2	0.	109.3
	B	-9.800	903.0	0.	109.3
51	A	-9.800	903.0	0.	112.2
	B	-10.00	906.2	0.	112.2
52	A	-10.00	906.2	0.	114.6
	B	-10.20	903.8	0.	114.6
53	A	-10.20	903.8	0.	116.7
	B	-10.40	898.5	0.	116.7
54	A	-10.40	898.5	0.	118.4
	B	-10.60	891.1	0.	118.4
55	A	-10.60	891.1	0.	119.9
	B	-10.80	881.7	0.	119.9
56	A	-10.80	881.7	0.	121.1
	B	-11.00	870.5	0.	121.1
57	A	-11.00	870.5	0.	122.0
	B	-11.20	857.7	0.	122.0
58	A	-11.20	857.7	0.	122.8
	B	-11.40	843.5	0.	122.8
59	A	-11.40	843.5	0.	123.4
	B	-11.60	827.8	0.	123.4
60	A	-11.60	827.8	0.	123.9
	B	-11.80	810.9	0.	123.9
61	A	-11.80	810.9	0.	124.3
	B	-12.00	792.7	0.	124.3
62	A	-12.00	792.7	0.	124.6
	B	-12.20	773.4	0.	124.6
63	A	-12.20	773.4	0.	124.8
	B	-12.40	753.0	0.	124.8

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PAG. 20

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History 0 - HOMOROD

BEAM EL.	ESTREMO	QUOTA	MOMENTO SX	MOMENTO DX	TAGLIO
64	A	-12.40	753.0	0.	125.0
	B	-12.60	731.6	0.	125.0
65	A	-12.60	731.6	0.	125.1
	B	-12.80	709.3	0.	125.1
66	A	-12.80	709.3	0.	125.2
	B	-13.00	686.0	0.	125.2
67	A	-13.00	686.0	0.	125.4
	B	-13.20	661.8	0.	125.4
68	A	-13.20	661.8	0.	125.5
	B	-13.40	636.7	0.	125.5
69	A	-13.40	636.7	0.	129.5
	B	-13.60	610.8	0.	129.5
70	A	-13.60	610.8	0.	133.6
	B	-13.80	584.1	0.	133.6
71	A	-13.80	584.1	0.	137.6
	B	-14.00	556.6	0.	137.6
72	A	-14.00	556.6	0.	141.5
	B	-14.20	528.3	0.	141.5
73	A	-14.20	528.3	0.	145.4
	B	-14.40	499.2	0.	145.4
74	A	-14.40	499.2	0.	149.2
	B	-14.60	469.4	0.	149.2
75	A	-14.60	469.4	0.	153.0
	B	-14.80	438.8	0.	153.0
76	A	-14.80	438.8	0.	156.8
	B	-15.00	407.4	0.	156.8
77	A	-15.00	407.4	0.	150.0
	B	-15.20	377.4	0.	150.0
78	A	-15.20	377.4	0.	143.2
	B	-15.40	348.7	5.076	143.2
79	A	-15.40	348.7	5.076	136.5
	B	-15.60	321.4	10.75	136.5
80	A	-15.60	321.4	10.75	129.9
	B	-15.80	295.5	15.88	129.9
81	A	-15.80	295.5	15.88	123.4
	B	-16.00	270.8	20.49	123.4
82	A	-16.00	270.8	20.49	117.0
	B	-16.20	247.4	24.59	117.0
83	A	-16.20	247.4	24.59	110.7
	B	-16.40	225.2	28.22	110.7
84	A	-16.40	225.2	28.22	104.6
	B	-16.60	204.3	31.39	104.6
85	A	-16.60	204.3	31.39	98.53
	B	-16.80	184.6	34.13	98.53
86	A	-16.80	184.6	34.13	92.65
	B	-17.00	166.1	36.45	92.65

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PAG. 21

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History 0 - HOMOROD

BEAM EL.	ESTREMO	QUOTA	MOMENTO SX	MOMENTO DX	TAGLIO
87	A	-17.00	166.1	36.45	86.91
	B	-17.20	148.7	38.39	86.91
88	A	-17.20	148.7	38.39	81.32
	B	-17.40	132.4	39.96	81.32
89	A	-17.40	132.4	39.96	75.89
	B	-17.60	117.3	41.19	75.89
90	A	-17.60	117.3	41.19	70.62
	B	-17.80	103.1	42.09	70.62
91	A	-17.80	103.1	42.09	65.52
	B	-18.00	90.03	42.69	65.52
92	A	-18.00	90.03	42.69	60.58
	B	-18.20	77.92	43.00	60.58
93	A	-18.20	77.92	43.00	55.81
	B	-18.40	66.76	43.05	55.81
94	A	-18.40	66.76	43.05	51.22
	B	-18.60	56.51	45.69	51.22
95	A	-18.60	56.51	45.69	46.80
	B	-18.80	47.15	49.33	46.80
96	A	-18.80	47.15	49.33	42.55
	B	-19.00	38.64	52.24	42.55
97	A	-19.00	38.64	52.24	38.48
	B	-19.20	30.95	54.45	38.48
98	A	-19.20	30.95	54.45	34.60
	B	-19.40	24.03	56.02	34.60
99	A	-19.40	24.03	56.02	30.89
	B	-19.60	17.85	56.98	30.89
100	A	-19.60	17.85	56.98	27.36
	B	-19.80	12.38	57.38	27.36
101	A	-19.80	12.38	57.38	24.01
	B	-20.00	7.577	57.25	24.01
102	A	-20.00	7.577	57.25	20.84
	B	-20.20	3.410	56.64	20.84
103	A	-20.20	3.410	56.64	17.85
	B	-20.40	0.	55.60	17.85
104	A	-20.40	0.	55.60	15.04
	B	-20.60	0.	54.15	15.04
105	A	-20.60	0.	54.15	12.41
	B	-20.80	0.	52.35	12.41
106	A	-20.80	0.	52.35	10.62
	B	-21.00	0.	50.23	10.62
107	A	-21.00	0.	50.23	12.02
	B	-21.20	0.	47.82	12.02
108	A	-21.20	0.	47.82	13.22
	B	-21.40	0.	45.18	13.22
109	A	-21.40	0.	45.18	14.22
	B	-21.60	0.	42.33	14.22

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PAG. 22

BEAM EL.	ESTREMO	QUOTA	MOMENTO SX	MOMENTO DX	TAGLIO
110	A	-21.60	0.	42.33	15.04
	B	-21.80	0.	39.33	15.04
111	A	-21.80	0.	39.33	15.66
	B	-22.00	0.	36.19	15.66
112	A	-22.00	0.	36.19	16.09
	B	-22.20	0.	32.98	16.09
113	A	-22.20	0.	32.98	16.33
	B	-22.40	0.	29.71	16.33
114	A	-22.40	0.	29.71	16.38
	B	-22.60	0.	26.44	16.38
115	A	-22.60	0.	26.44	16.24
	B	-22.80	0.	23.19	16.24
116	A	-22.80	0.	23.19	15.91
	B	-23.00	0.	20.01	15.91
117	A	-23.00	0.	20.01	15.40
	B	-23.20	0.	16.93	15.40
118	A	-23.20	0.	16.93	14.69
	B	-23.40	0.	13.99	14.69
119	A	-23.40	0.	13.99	13.81
	B	-23.60	0.	11.23	13.81
120	A	-23.60	0.	11.23	12.73
	B	-23.80	0.	8.682	12.73
121	A	-23.80	0.	8.682	11.47
	B	-24.00	0.	6.387	11.47
122	A	-24.00	0.	6.387	10.02
	B	-24.20	0.	4.383	10.02
123	A	-24.20	0.	4.383	8.392
	B	-24.40	0.	2.704	8.392
124	A	-24.40	0.	2.704	6.574
	B	-24.60	0.	1.389	6.574
125	A	-24.60	0.	1.389	4.569
	B	-24.80	0.	0.4755	4.569
126	A	-24.80	0.	0.4755	2.378
	B	-25.00	0.1066E-08	0.9313E-09	2.378

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PAG. 23

FORZE NEGLI ANCORAGGI ATTIVI (PER UNITA' DI PROFONDITA')

TIRANTE	Wire01	1 PARETE RightWall	QUOTA	-0.50000
		FASE 1 FORZA	150.00	kN/m
		FASE 2 FORZA	170.06	kN/m
		FASE 3 FORZA	156.71	kN/m
		FASE 4 FORZA	181.50	kN/m
		FASE 5 FORZA	167.53	kN/m
		FASE 6 FORZA	192.35	kN/m
TIRANTE	Wire2	1 PARETE RightWall	QUOTA	-4.0000
		FASE 1 inattivo		
		FASE 2 inattivo		
		FASE 3 FORZA	150.00	kN/m
		FASE 4 FORZA	230.70	kN/m
		FASE 5 FORZA	198.46	kN/m
		FASE 6 FORZA	251.91	kN/m
TIRANTE	Wire3	1 PARETE RightWall	QUOTA	-8.0000
		FASE 1 inattivo		
		FASE 2 inattivo		
		FASE 3 inattivo		
		FASE 4 inattivo		
		FASE 5 FORZA	300.00	kN/m
		FASE 6 FORZA	371.48	kN/m

INVILUPPO RISULTATI NEGLI ELEMENTI TERRENO

* PARETE RightWall GRUPPO DHRight*

STEP 1 - 6

* I PASSI NON EQUILIBRATI SONO ESCLUSI *

Nella tabella si stampano i seguenti risultati:

SIGMA-H = massimo sforzo orizzontale efficace [kPa]
 TAGLIO = massimo sforzo di taglio [kPa]
 PR. ACQUA =massima pressione interstiziale [kPa]
 GRAD. MAX =massimo gradiente idraulico

SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
1	0.	0.	0.	0.	0.
2	-0.2000	0.	0.	0.	0.
3	-0.4000	0.	0.	0.	0.
4	-0.5000	0.	0.	0.	0.
5	-0.7000	0.	1.900	0.	0.
6	-0.9000	0.	3.800	0.	0.
7	-1.100	0.	5.700	0.	0.
8	-1.300	0.	7.600	0.	0.
9	-1.500	3.337	7.832	0.	0.
10	-1.700	7.973	7.413	0.	0.
11	-1.900	12.60	7.000	0.	0.
12	-2.100	17.21	6.594	0.	0.
13	-2.300	21.81	6.193	0.	0.
14	-2.500	26.40	5.801	0.	0.
15	-2.700	30.97	5.416	0.	0.
16	-2.900	35.52	5.039	0.	0.
17	-3.100	40.06	4.671	0.	0.
18	-3.300	44.57	4.313	0.	0.
19	-3.500	49.07	3.963	0.	0.
20	-3.700	53.55	3.624	0.	0.
21	-3.900	58.01	3.294	0.	0.
22	-4.000	60.23	8.973	0.	0.
23	-4.200	64.66	10.86	2.074	0.3704E-01
24	-4.400	69.07	12.85	4.148	0.3704E-01
25	-4.600	73.46	14.38	6.222	0.3704E-01
26	-4.800	77.82	15.69	8.296	0.3704E-01
27	-5.000	80.99	19.53	10.37	0.3704E-01
28	-5.200	85.60	20.73	12.44	0.3704E-01
29	-5.400	90.18	21.85	14.52	0.3704E-01
30	-5.600	94.73	22.90	16.59	0.3704E-01
31	-5.800	99.26	23.89	18.67	0.3704E-01
32	-6.000	103.8	24.83	20.74	0.3704E-01
33	-6.200	108.2	25.73	22.81	0.3704E-01
34	-6.400	112.6	26.57	24.89	0.3704E-01
35	-6.600	116.9	27.35	26.96	0.3704E-01

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PAG. 25

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History 0 - HOMOROD

SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
36	-6.800	121.2	28.09	29.04	0.3704E-01
37	-7.000	125.5	28.81	31.11	0.3704E-01
38	-7.200	129.7	29.51	33.19	0.3704E-01
39	-7.400	134.0	30.18	35.26	0.3704E-01
40	-7.600	138.2	30.83	37.33	0.3704E-01
41	-7.800	142.3	31.46	39.41	0.3704E-01
42	-8.000	146.5	32.07	41.48	0.3704E-01
43	-8.200	150.7	32.66	43.56	0.3704E-01
44	-8.400	154.8	33.24	45.63	0.3704E-01
45	-8.600	158.9	36.14	47.70	0.1313
46	-8.800	163.0	39.89	49.78	0.1313
47	-9.000	167.1	42.39	51.85	0.1313
48	-9.200	171.2	44.39	53.93	0.1313
49	-9.400	175.2	46.08	56.00	0.1313
50	-9.600	179.3	47.57	58.07	0.1313
51	-9.800	183.3	48.91	60.15	0.1313
52	-10.00	187.3	50.13	62.22	0.1313
53	-10.20	191.3	51.24	64.30	0.1313
54	-10.40	195.3	52.28	66.37	0.1715
55	-10.60	199.3	53.24	68.44	0.1715
56	-10.80	203.2	54.15	70.52	0.1715
57	-11.00	207.2	54.99	72.59	0.1715
58	-11.20	211.1	55.79	74.67	0.1715
59	-11.40	215.1	56.55	76.74	0.1715
60	-11.60	219.0	57.74	78.81	0.1715
61	-11.80	222.9	58.98	80.89	0.1715
62	-12.00	226.9	60.12	82.96	0.1715
63	-12.20	230.8	61.18	85.04	0.1715
64	-12.40	234.7	62.17	87.11	0.1715
65	-12.60	238.6	63.10	89.19	0.1715
66	-12.80	242.4	63.97	91.26	0.1715
67	-13.00	246.3	64.80	93.33	0.1715
68	-13.20	250.2	65.58	95.41	0.1715
69	-13.40	254.1	66.32	97.48	0.1715
70	-13.60	258.0	67.02	99.56	0.1715
71	-13.80	261.8	67.69	101.6	0.1715
72	-14.00	265.7	68.33	103.7	0.1715
73	-14.20	269.5	68.94	105.8	0.1715
74	-14.40	273.4	69.52	107.9	0.1715
75	-14.60	277.3	70.08	109.9	0.1715
76	-14.80	281.1	70.62	112.0	0.1715
77	-15.00	286.7	83.08	114.1	0.1715
78	-15.20	290.5	83.53	116.1	0.1715
79	-15.40	294.3	83.96	118.2	0.1715
80	-15.60	298.2	84.37	120.3	0.1715
81	-15.80	302.0	84.77	122.4	0.1715

PARATIE 7.00

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PAG. 26

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History 0 - HOMOROD

SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
82	-16.00	305.8	85.15	124.4	0.1715
83	-16.20	309.6	85.51	126.5	0.1715
84	-16.40	313.5	85.87	128.6	0.1715
85	-16.60	317.3	86.21	130.7	0.1715
86	-16.80	321.1	86.54	132.7	0.1715
87	-17.00	324.9	86.86	134.8	0.1715
88	-17.20	328.7	87.18	136.9	0.1715
89	-17.40	332.6	87.48	139.0	0.1715
90	-17.60	336.4	87.78	141.0	0.1715
91	-17.80	340.2	88.07	143.1	0.1715
92	-18.00	344.0	88.36	145.2	0.1715
93	-18.20	347.9	88.64	147.3	0.1715
94	-18.40	351.7	88.91	149.3	0.1715
95	-18.60	355.5	89.19	151.4	0.1715
96	-18.80	359.4	89.45	153.5	0.1715
97	-19.00	363.2	89.72	155.6	0.1715
98	-19.20	367.0	89.98	157.6	0.1715
99	-19.40	370.9	90.24	159.7	0.1715
100	-19.60	374.7	90.50	161.8	0.1715
101	-19.80	378.5	90.76	163.9	0.1715
102	-20.00	382.4	91.01	165.9	0.1715
103	-20.20	386.2	91.26	168.0	0.1715
104	-20.40	390.1	91.51	170.1	0.1715
105	-20.60	393.9	91.76	172.1	0.1715
106	-20.80	397.8	92.01	174.2	0.1715
107	-21.00	401.6	92.26	176.3	0.1715
108	-21.20	405.4	92.51	178.4	0.1715
109	-21.40	409.3	92.76	180.4	0.1715
110	-21.60	413.1	93.00	182.5	0.1715
111	-21.80	417.0	93.25	184.6	0.1715
112	-22.00	420.8	93.49	186.7	0.1715
113	-22.20	424.7	93.74	188.7	0.1715
114	-22.40	428.5	93.98	190.8	0.1715
115	-22.60	432.4	94.22	192.9	0.1715
116	-22.80	436.3	94.47	195.0	0.1715
117	-23.00	440.1	94.71	197.0	0.1715
118	-23.20	444.0	94.95	199.1	0.1715
119	-23.40	447.8	95.19	201.2	0.1715
120	-23.60	451.7	95.43	203.3	0.1715
121	-23.80	455.5	95.67	205.3	0.1715
122	-24.00	459.4	95.91	207.4	0.1715
123	-24.20	463.2	96.14	209.5	0.1715
124	-24.40	467.1	96.38	211.6	0.1715
125	-24.60	470.9	96.61	213.6	0.1715
126	-24.80	474.8	96.85	215.7	0.1715
127	-25.00	478.6	97.08	217.8	0.1715

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History 0 - HOMOROD

SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
128	-25.20	483.2	98.96	219.9	0.1715
129	-25.40	487.1	99.39	221.9	0.1715
130	-25.60	491.0	99.82	224.0	0.1715
131	-25.80	494.9	100.3	226.1	0.1715
132	-26.00	498.8	100.7	228.1	0.1715
133	-26.20	502.7	101.1	230.2	0.1715
134	-26.40	506.6	101.5	232.3	0.1715
135	-26.60	510.5	102.0	234.4	0.1715
136	-26.80	514.4	102.4	236.4	0.1715
137	-27.00	518.3	102.8	238.5	0.1715
138	-27.20	522.2	103.3	240.6	0.1715
139	-27.40	526.1	103.7	242.7	0.1715
140	-27.60	530.0	104.1	244.7	0.1715
141	-27.80	533.9	104.5	246.8	0.1715
142	-28.00	537.8	105.0	248.9	0.1715
143	-28.20	541.7	105.4	251.0	0.1715
144	-28.40	545.6	105.8	253.0	0.1715
145	-28.60	549.5	106.3	255.1	0.1715
146	-28.80	553.4	106.7	257.2	0.1715
147	-29.00	557.3	107.1	259.3	0.1715
148	-29.20	561.2	107.5	261.3	0.1715
149	-29.40	565.1	108.0	263.4	0.1715
150	-29.60	569.0	108.4	265.5	0.1715
151	-29.80	572.9	108.8	267.6	0.1715
152	-30.00	576.8	109.2	269.6	0.1715

INVILUPPO RISULTATI NEGLI ELEMENTI TERRENO

* PARETE RightWall GRUPPO UHRight*

STEP 1 - 6

* I PASSI NON EQUILIBRATI SONO ESCLUSI *

Nella tabella si stampano i seguenti risultati:

SIGMA-H = massimo sforzo orizzontale efficace [kPa]
TAGLIO = massimo sforzo di taglio [kPa]
PR. ACQUA =massima pressione interstiziale [kPa]
GRAD. MAX =massimo gradiente idraulico

SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
1	0.	25.73	9.615	0.	0.
2	-0.2000	27.64	9.239	0.	0.
3	-0.4000	29.55	8.863	0.	0.
4	-0.5000	30.51	8.674	0.	0.
5	-0.7000	32.42	8.298	0.	0.
6	-0.9000	34.33	7.923	0.	0.
7	-1.100	36.25	7.549	0.	0.
8	-1.300	39.06	7.178	0.	0.
9	-1.500	42.12	6.810	0.	0.
10	-1.700	45.19	6.630	0.	0.
11	-1.900	48.28	7.554	0.	0.
12	-2.100	51.37	8.472	0.9630	0.1715
13	-2.300	54.47	9.382	2.889	0.1715
14	-2.500	57.59	10.28	4.815	0.1715
15	-2.700	60.72	11.18	6.741	0.1715
16	-2.900	63.86	12.06	8.667	0.1715
17	-3.100	67.02	12.94	10.59	0.1715
18	-3.300	70.20	13.80	12.52	0.1715
19	-3.500	73.39	14.66	14.44	0.1715
20	-3.700	76.60	15.50	16.37	0.1715
21	-3.900	79.83	16.33	18.30	0.1715
22	-4.000	81.45	16.75	19.26	0.1715
23	-4.200	84.70	17.56	21.19	0.1715
24	-4.400	87.97	18.37	23.11	0.1715
25	-4.600	91.26	19.16	25.04	0.1715
26	-4.800	94.57	19.89	26.96	0.1715
27	-5.000	99.34	27.34	28.89	0.1715
28	-5.200	102.6	27.98	30.81	0.1715
29	-5.400	105.8	28.60	32.74	0.1715
30	-5.600	109.1	29.19	34.67	0.1715
31	-5.800	112.4	29.76	36.59	0.1715
32	-6.000	115.7	30.31	38.52	0.1715
33	-6.200	119.1	30.84	40.44	0.1715
34	-6.400	122.4	31.34	42.37	0.1715
35	-6.600	125.7	31.86	44.30	0.1715

PARATIE 7.00

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History 0 - HOMOROD

SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
36	-6.800	129.0	32.38	46.22	0.1715
37	-7.000	132.4	32.86	48.15	0.1715
38	-7.200	135.7	33.32	50.07	0.1715
39	-7.400	139.1	33.74	52.00	0.1715
40	-7.600	142.6	34.14	53.93	0.1715
41	-7.800	146.0	34.50	55.85	0.1715
42	-8.000	149.5	34.84	57.78	0.1715
43	-8.200	153.0	35.15	59.70	0.1715
44	-8.400	156.6	35.44	61.63	0.1715
45	-8.600	160.1	35.69	63.56	0.1715
46	-8.800	163.7	35.91	65.48	0.1715
47	-9.000	167.3	36.10	67.41	0.1715
48	-9.200	171.0	36.27	69.33	0.1715
49	-9.400	174.6	36.40	71.26	0.1715
50	-9.600	178.3	36.49	73.19	0.1715
51	-9.800	182.0	36.56	75.11	0.1715
52	-10.00	185.7	36.60	77.04	0.1715
53	-10.20	189.5	36.60	78.96	0.1715
54	-10.40	193.2	36.58	80.89	0.1715
55	-10.60	197.0	36.52	82.81	0.1715
56	-10.80	200.8	36.43	84.74	0.1715
57	-11.00	204.6	36.32	86.67	0.1715
58	-11.20	208.4	36.18	88.59	0.1715
59	-11.40	212.3	36.00	90.52	0.1715
60	-11.60	216.1	35.81	92.44	0.1715
61	-11.80	220.0	35.58	94.37	0.1715
62	-12.00	223.9	35.33	96.30	0.1715
63	-12.20	227.7	35.05	98.22	0.1715
64	-12.40	231.6	34.75	100.1	0.1715
65	-12.60	235.5	34.42	102.1	0.1715
66	-12.80	239.5	34.08	104.0	0.1715
67	-13.00	243.4	33.71	105.9	0.1715
68	-13.20	247.3	33.31	107.9	0.1715
69	-13.40	251.3	32.90	109.8	0.1715
70	-13.60	255.2	32.47	111.7	0.1715
71	-13.80	259.2	32.02	113.6	0.1715
72	-14.00	263.1	31.56	115.6	0.1715
73	-14.20	267.1	31.08	117.5	0.1715
74	-14.40	271.1	30.58	119.4	0.1715
75	-14.60	275.0	30.06	121.3	0.1715
76	-14.80	279.0	29.54	123.3	0.1715
77	-15.00	280.9	43.72	125.2	0.1715
78	-15.20	284.9	43.11	127.1	0.1715
79	-15.40	288.9	42.49	129.0	0.1715
80	-15.60	292.9	41.86	131.0	0.1715
81	-15.80	296.9	41.22	132.9	0.1715

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History 0 - HOMOROD

SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
82	-16.00	300.9	40.56	134.8	0.1715
83	-16.20	304.9	39.90	136.7	0.1715
84	-16.40	308.9	39.23	138.7	0.1715
85	-16.60	313.0	38.55	140.6	0.1715
86	-16.80	317.0	37.87	142.5	0.1715
87	-17.00	321.0	37.18	144.4	0.1715
88	-17.20	325.0	36.49	146.4	0.1715
89	-17.40	329.0	35.79	148.3	0.1715
90	-17.60	333.0	35.09	150.2	0.1715
91	-17.80	337.0	34.39	152.1	0.1715
92	-18.00	341.0	33.69	154.1	0.1715
93	-18.20	345.0	32.98	156.0	0.1715
94	-18.40	349.0	32.27	157.9	0.1715
95	-18.60	353.1	31.57	159.9	0.1715
96	-18.80	357.1	30.86	161.8	0.1715
97	-19.00	361.1	30.15	163.7	0.1715
98	-19.20	365.0	29.44	165.6	0.1715
99	-19.40	369.0	28.73	167.6	0.1715
100	-19.60	373.0	28.03	169.5	0.1715
101	-19.80	377.0	27.32	171.4	0.1715
102	-20.00	381.0	26.61	173.3	0.1715
103	-20.20	385.0	25.91	175.3	0.1715
104	-20.40	389.0	25.21	177.2	0.1715
105	-20.60	393.0	24.50	179.1	0.1715
106	-20.80	397.0	23.80	181.0	0.1715
107	-21.00	400.9	23.10	183.0	0.1715
108	-21.20	404.9	22.41	184.9	0.1715
109	-21.40	408.9	22.77	186.8	0.1715
110	-21.60	412.9	23.27	188.7	0.1715
111	-21.80	416.8	23.78	190.7	0.1715
112	-22.00	420.8	24.29	192.6	0.1715
113	-22.20	424.8	24.79	194.5	0.1715
114	-22.40	428.8	25.29	196.4	0.1715
115	-22.60	432.7	25.79	198.4	0.1715
116	-22.80	436.7	26.29	200.3	0.1715
117	-23.00	440.7	26.79	202.2	0.1715
118	-23.20	444.6	27.29	204.1	0.1715
119	-23.40	448.6	27.79	206.1	0.1715
120	-23.60	452.6	28.29	208.0	0.1715
121	-23.80	456.5	28.78	209.9	0.1715
122	-24.00	460.5	29.28	211.9	0.1715
123	-24.20	464.5	29.78	213.8	0.1715
124	-24.40	468.4	30.27	215.7	0.1715
125	-24.60	472.4	30.77	217.6	0.1715
126	-24.80	476.4	31.27	219.6	0.1715
127	-25.00	480.3	31.76	221.5	0.1715

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History 0 - HOMOROD

SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
128	-25.20	483.2	30.73	223.4	0.1715
129	-25.40	487.1	31.14	225.3	0.1715
130	-25.60	491.0	31.56	227.3	0.1715
131	-25.80	494.9	31.97	229.2	0.1715
132	-26.00	498.8	32.38	231.1	0.1715
133	-26.20	502.7	32.80	233.0	0.1715
134	-26.40	506.6	33.21	235.0	0.1715
135	-26.60	510.5	33.63	236.9	0.1715
136	-26.80	514.4	34.04	238.8	0.1715
137	-27.00	518.3	34.46	240.7	0.1715
138	-27.20	522.2	34.87	242.7	0.1715
139	-27.40	526.1	35.28	244.6	0.1715
140	-27.60	530.0	35.70	246.5	0.1715
141	-27.80	533.9	36.11	248.4	0.1715
142	-28.00	537.8	36.52	250.4	0.1715
143	-28.20	541.7	36.94	252.3	0.1715
144	-28.40	545.6	37.35	254.2	0.1715
145	-28.60	549.5	37.77	256.1	0.1715
146	-28.80	553.4	38.18	258.1	0.1715
147	-29.00	557.3	38.59	260.0	0.1715
148	-29.20	561.2	39.01	261.9	0.1715
149	-29.40	565.1	39.42	263.9	0.1715
150	-29.60	569.0	39.84	265.8	0.1715
151	-29.80	572.9	40.25	267.7	0.1715
152	-30.00	576.8	40.66	269.6	0.1715

RIASSUNTO SPINTE NEGLI ELEMENTI TERRENO
(LE SPINTE SONO CALCOLATE INTEGRANDO GLI SFORZI NEI SINGOLI ELEMENTI MOLLA)

SPINTA EFFICACE VERA = Integrale delle pressioni orizzontali efficaci in tutti gli elementi nel gruppo: unita' di misura kN/m

SPINTA ACQUA = Integrale delle pressioni interstiziali in tutti gli elementi nel gruppo: unita' di misura kN/m

SPINTA TOTALE VERA = Somma della SPINTA EFFICACE e della SPINTA DELL'ACQUA: e' l' azione totale sulla parete: unita' di misura kN/m

SPINTA ATTIVA POSSIBILE = La minima spinta che puo' essere esercitata da questo gruppo di elementi terreno, in questa fase: unita' di misura kN/m

SPINTA PASSIVA POSSIBILE = La massima spinta che puo' essere esercitata da questo gruppo di elementi terreno, in questa fase: unita' di misura kN/m

RAPPORTO PASSIVA/VERA = e' il rapporto tra la massima spinta possibile e la spinta efficace vera: fornisce un'indicazione su quanta spinta passiva venga mobilitata;

SPINTA PASSIVA MOBILITATA = e' l'inverso del rapporto precedente, espresso in unita' percentuale: indica quanta parte della massima spinta possibile e' stata mobilitata;

RAPPORTO VERA/ATTIVA = e' il rapporto tra la spinta efficace vera e la minima spinta possibile: fornisce un'indicazione di quanto questa porzione di terreno sia prossima alla condizione di massimo rilascio.

FASE	1	GRUPPO -->	DHRi	UHRi
		SPINTA EFFICACE VERA	8476.5	8615.1
		SPINTA ACQUA	0.	0.
		SPINTA TOTALE VERA	8476.5	8615.1
		SPINTA ATTIVA (POSSIBILE)	1376.7	1455.3
		SPINTA PASSIVA (POSSIBILE)	33223.	34194.
		RAPPORTO PASSIVA/VERA	3.9194	3.9691
		SPINTA PASSIVA MOBILITATA	26.%	25.%
		RAPPORTO VERA/ATTIVA	6.1571	5.9197

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History 0 - HOMOROD

FASE	2	GRUPPO -->	DHRi	UHRi
		SPINTA EFFICACE VERA	5732.2	5619.6
		SPINTA ACQUA	3505.2	3774.9
		SPINTA TOTALE VERA	9237.4	9394.5
		SPINTA ATTIVA (POSSIBILE)	26.328	233.91
		SPINTA PASSIVA (POSSIBILE)	15209.	21665.
		RAPPORTO PASSIVA/VERA	2.6533	3.8552
		SPINTA PASSIVA MOBILITATA	38.%	26.%
		RAPPORTO VERA/ATTIVA	217.72	24.024

FASE	3	GRUPPO -->	DHRi	UHRi
		SPINTA EFFICACE VERA	5695.1	5708.8
		SPINTA ACQUA	3505.2	3774.9
		SPINTA TOTALE VERA	9200.3	9483.6
		SPINTA ATTIVA (POSSIBILE)	26.328	233.91
		SPINTA PASSIVA (POSSIBILE)	15209.	21665.
		RAPPORTO PASSIVA/VERA	2.6706	3.7951
		SPINTA PASSIVA MOBILITATA	37.%	26.%
		RAPPORTO VERA/ATTIVA	216.31	24.405

FASE	4	GRUPPO -->	DHRi	UHRi
		SPINTA EFFICACE VERA	5164.8	4755.1
		SPINTA ACQUA	2614.8	3405.3
		SPINTA TOTALE VERA	7779.6	8160.4
		SPINTA ATTIVA (POSSIBILE)	0.	331.74
		SPINTA PASSIVA (POSSIBILE)	10631.	22892.
		RAPPORTO PASSIVA/VERA	2.0583	4.8141
		SPINTA PASSIVA MOBILITATA	49.%	21.%
		RAPPORTO VERA/ATTIVA	0.10000E+06	14.334

FASE	5	GRUPPO -->	DHRi	UHRi
		SPINTA EFFICACE VERA	5099.6	4924.4
		SPINTA ACQUA	2614.8	3405.3
		SPINTA TOTALE VERA	7714.4	8329.7
		SPINTA ATTIVA (POSSIBILE)	0.	331.74
		SPINTA PASSIVA (POSSIBILE)	10631.	22892.
		RAPPORTO PASSIVA/VERA	2.0846	4.6486
		SPINTA PASSIVA MOBILITATA	48.%	22.%
		RAPPORTO VERA/ATTIVA	0.10000E+06	14.844

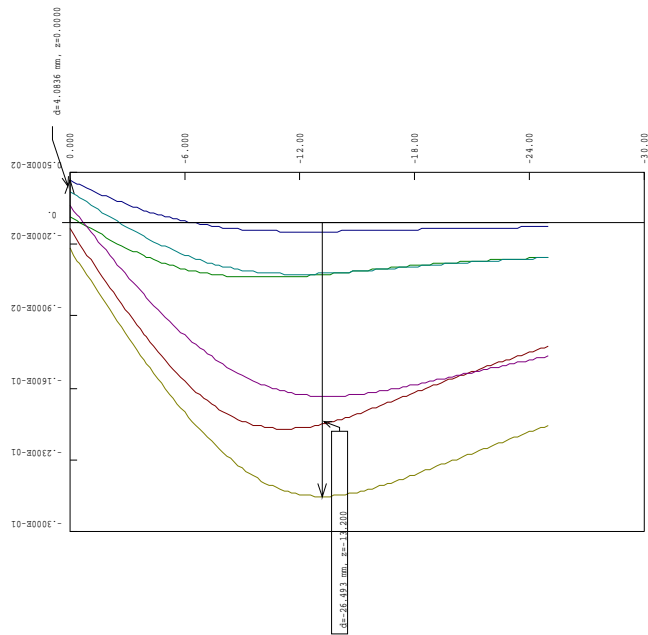
PARATIE 7.00
16 NOVEMBRE 2011 13:12:44
History 0 - HOMOROD

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PAG. 34

FASE	6	GRUPPO -->	DHRi	UHRi
		SPINTA EFFICACE VERA	4978.2	4780.7
		SPINTA ACQUA	2296.5	3247.6
		SPINTA TOTALE VERA	7274.6	8028.3
		SPINTA ATTIVA (POSSIBILE)	0.	537.54
		SPINTA PASSIVA (POSSIBILE)	9152.7	25705.
		RAPPORTO PASSIVA/VERA	1.8386	5.3769
		SPINTA PASSIVA MOBILITATA	54.%	19.%
		RAPPORTO VERA/ATTIVA	0.10000E+06	8.8936

OUTPUT PLOTS:



- step 6
- step 5
- step 4
- step 3
- step 2
- step 1

FATTORE SCALA: 2.46 - FATTORE AMPLIF. : 507.62
 DEFORMATA PASSI 1 / 6 [m]

Pezzo unita= KN
 Length unitas= M

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 P A R A T I E 7.00
 16 NOVEMBRE 2011 13:12:44

PARATIE 7.00
16 NOVEMBRE 2011 13:13:01
History 0 - HOMOROD

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PAG. 1

```
*****  
**  
**          P  A  R  A  T  I  E          **  
**  
**          RELEASE 7.00  VERSIONE WIN  **  
**  
**  Ce.A.S. s.r.l. - Viale Giustiniano, 10  **  
**                      20129 MILANO      **  
**  
*****
```

JOBNAME C:\Users\Tecnico5\Desktop\Nuova cartella (3)\File Paratie Homorod L

16 NOVEMBRE 2011 13:13:01

PARATIE 7.00
16 NOVEMBRE 2011 13:13:01
History 0 - HOMOROD

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PAG. 2

ELENCO DEI DATI DI INPUT(PARAGEN)

Per il significato dei vari comandi
si faccia riferimento al manuale di
input PARAGEN, versione 7.00.

N. comando
1: * Paratie for Windows version 7.0
2: * Filename= <c:\users\tecnico5\desktop\nuova cartella (3)\file paratie
homorod 1
3: * project with "run time" parameters
4: * Force=kN Lenght=m
5: *
6: units m kN
7: title History 0 - HOMOROD
8: delta 0.2
9: option param itemax 20
10: option noprint echo
11: option noprint displ
12: option noprint react
13: option noprint stresses
14: wall RightWall 0 -30 0
15: *
16: soil DHRight RightWall -30 0 2 0
17: soil UHRight RightWall -30 0 1 180
18: *
19: prescribe RightWall -13.6 1 0 REL 9 9
20: *
21: material Pali 3.2308E+007
22: material Acciaio 2.1E+008
23: *
24: beam Right_wall RightWall -28 0 Pali 0.979439 00 00
25: *
26: wire Wire01 RightWall -0.5 Acciaio 2.87179E-005 150 157.5
27: wire Wire2 RightWall -4 Acciaio 4.30769E-005 150 157.5
28: wire Wire3 RightWall -8 Acciaio 4.30769E-005 300 157.5
29: wire Wire4 RightWall -12 Acciaio 4.30769E-005 300 157.5
30: *
31: * Soil Profile
32: *
33: ldata Soil 0
34: weight 19 9 10
35: atrest 1 0.5 1
36: resistance 20 25 0.359 3.319
37: young 12000 17000
38: endlayer

PARATIE 7.00
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History 0 - HOMOROD

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PAG. 3

N. comando

```
39:      ldata          Soil2 -5
40:          weight    19.5 9.5 10
41:          atrest    1 0.5 1
42:          resistance 45 25 0.359 3.319
43:          young     18000 23000
44:      endlayer
45:      ldata          Soil3 -15
46:          weight    19.5 9.5 10
47:          atrest    1 0.5 1
48:          resistance 60 25 0.359 3.319
49:          young     25000 30000
50:      endlayer
51: *
52: step 1 :
53:     setwall RightWall
54:         geom 0 -0.5
55:         add Wire01
56: endstep
57: *
58: step 2 :
59:     setwall RightWall
60:         geom 0 -4
61:         water -2 2
62: endstep
63: *
64: step 3 :
65:     setwall RightWall
66:         add Wire2
67: endstep
68: *
69: step 4 :
70:     setwall RightWall
71:         geom 0 -8.5
72:         water -2 6.5
73: endstep
74: *
75: step 5 :
76:     setwall RightWall
77:         add Wire3
78: endstep
79: *
80: step 6 :
81:     setwall RightWall
82:         geom 0 -12.5
83:         water -2 10.5
84: endstep
```

PARATIE 7.00
16 NOVEMBRE 2011 13:13:01
History 0 - HOMOROD

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PAG. 4

N. comando

```
85: *
86: step 7 :
87:     setwall RightWall
88:         geom 0 -12.5
89:         water -2 10.5
90:         add Wire4
91: endstep
92: *
93: step 8 :
94:     setwall RightWall
95:         geom 0 -14.5
96:         water -2 12.5
97:         surcharge 0 0 0 0
98: endstep
99: *
100: step 9 :
101:     setwall RightWall
102:         geom 0 -13.8
103:         water -2 11.8
104:         surcharge 23 0 0 0
105: endstep
106: *
107: *
```

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 1

LAYER Soil			
natura 1=granulare, 2=argilla	=	1.0000	
quota superiore	=	0.0000	m
quota inferiore	=	-5.0000	m
peso fuori falda	=	19.000	kN/m ³
peso efficace in falda	=	9.0000	kN/m ³
peso dell'acqua	=	10.000	kN/m ³
coesione	=	20.000	kPa (A MONTE)
angolo di attrito	=	25.000	DEG (A MONTE)
coeff. spinta attiva ka	=	0.35900	(A MONTE)
coeff. spinta passiva kp	=	3.3190	(A MONTE)
Konc normal consolidato	=	1.0000	
esponente di OCR	=	0.50000	
OCR: grado di sovraconsolidazione	=	1.0000	
modello di rigidità	=	1.0000	
modulo el. compr. vergine	=	12000.	kPa
modulo el. scarico/ricarico	=	17000.	kPa
natura 1=granulare, 2=argilla	=	1.0000	(A VALLE)
coesione	=	20.000	kPa (A VALLE)
angolo di attrito	=	25.000	DEG (A VALLE)
coeff. spinta attiva ka	=	0.35900	(A VALLE)
coeff. spinta passiva kp	=	3.3190	(A VALLE)
LAYER Soil2			
natura 1=granulare, 2=argilla	=	1.0000	
quota superiore	=	-5.0000	m
quota inferiore	=	-15.000	m
peso fuori falda	=	19.500	kN/m ³
peso efficace in falda	=	9.5000	kN/m ³
peso dell'acqua	=	10.000	kN/m ³
coesione	=	45.000	kPa (A MONTE)
angolo di attrito	=	25.000	DEG (A MONTE)
coeff. spinta attiva ka	=	0.35900	(A MONTE)
coeff. spinta passiva kp	=	3.3190	(A MONTE)
Konc normal consolidato	=	1.0000	
esponente di OCR	=	0.50000	
OCR: grado di sovraconsolidazione	=	1.0000	
modello di rigidità	=	1.0000	
modulo el. compr. vergine	=	18000.	kPa
modulo el. scarico/ricarico	=	23000.	kPa
natura 1=granulare, 2=argilla	=	1.0000	(A VALLE)
coesione	=	45.000	kPa (A VALLE)

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RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 1

angolo di attrito	= 25.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.35900		(A VALLE)
coeff. spinta passiva kp	= 3.3190		(A VALLE)

LAYER Soil3

natura 1=granulare, 2=argilla	= 1.0000		
quota superiore	= -15.000	m	
quota inferiore	= -0.10000E+31	m	
peso fuori falda	= 19.500	kN/m ³	
peso efficace in falda	= 9.5000	kN/m ³	
peso dell'acqua	= 10.000	kN/m ³	
coesione	= 60.000	kPa	(A MONTE)
angolo di attrito	= 25.000	DEG	(A MONTE)
coeff. spinta attiva ka	= 0.35900		(A MONTE)
coeff. spinta passiva kp	= 3.3190		(A MONTE)
Konc normal consolidato	= 1.0000		
esponente di OCR	= 0.50000		
OCR: grado di sovraconsolidazione	= 1.0000		
modello di rigidezza	= 1.0000		
modulo el. compr. vergine	= 25000.	kPa	
modulo el. scarico/ricarico	= 30000.	kPa	
natura 1=granulare, 2=argilla	= 1.0000		(A VALLE)
coesione	= 60.000	kPa	(A VALLE)
angolo di attrito	= 25.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.35900		(A VALLE)
coeff. spinta passiva kp	= 3.3190		(A VALLE)

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 2

(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 3

(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 4

(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 5

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(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 6

(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 7

(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 8

(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 9

(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE

RIASSUNTO DATI RELATIVI ALLA FASE 1

WALL RightWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-0.50000	m
quota della falda	=	-0.99900E+30	m
sovraccarico a monte	=	0.0000	kPa
quota del sovraccarico a monte	=	0.0000	m
depressione falda a valle	=	0.0000	m
sovraccarico a valle	=	0.0000	kPa
quota del sovraccarico a valle	=	-0.99900E+30	m
quota di taglio	=	0.0000	m
quota di equil. pressioni dell'acqua	=	-30.000	m
indicatore comportamento acqua	=	0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	=	0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 2

WALL RightWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-4.0000	m
quota della falda	=	-2.0000	m
sovraccarico a monte	=	0.0000	kPa
quota del sovraccarico a monte	=	0.0000	m
depressione falda a valle	=	2.0000	m
sovraccarico a valle	=	0.0000	kPa
quota del sovraccarico a valle	=	-0.99900E+30	m
quota di taglio	=	0.0000	m
quota di equil. pressioni dell'acqua	=	-30.000	m
indicatore comportamento acqua	=	0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	=	0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 3

WALL RightWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-4.0000	m
quota della falda	=	-2.0000	m
sovraccarico a monte	=	0.0000	kPa

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RIASSUNTO DATI RELATIVI ALLA FASE 3

quota del sovraccarico a monte	=	0.0000	m
depressione falda a valle	=	2.0000	m
sovraccarico a valle	=	0.0000	kPa
quota del sovraccarico a valle	=	-0.99900E+30	m
quota di taglio	=	0.0000	m
quota di equil. pressioni dell'acqua	=	-30.0000	m
indicatore comportamento acqua	=	0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	=	0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 4

WALL RightWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-8.5000	m
quota della falda	=	-2.0000	m
sovraccarico a monte	=	0.0000	kPa
quota del sovraccarico a monte	=	0.0000	m
depressione falda a valle	=	6.5000	m
sovraccarico a valle	=	0.0000	kPa
quota del sovraccarico a valle	=	-0.99900E+30	m
quota di taglio	=	0.0000	m
quota di equil. pressioni dell'acqua	=	-30.0000	m
indicatore comportamento acqua	=	0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	=	0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 5

WALL RightWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-8.5000	m
quota della falda	=	-2.0000	m
sovraccarico a monte	=	0.0000	kPa
quota del sovraccarico a monte	=	0.0000	m
depressione falda a valle	=	6.5000	m
sovraccarico a valle	=	0.0000	kPa
quota del sovraccarico a valle	=	-0.99900E+30	m
quota di taglio	=	0.0000	m
quota di equil. pressioni dell'acqua	=	-30.0000	m
indicatore comportamento acqua	=	0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	=	0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 6

WALL RightWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-12.500	m
quota della falda	=	-2.0000	m
sovraccarico a monte	=	0.0000	kPa
quota del sovraccarico a monte	=	0.0000	m
depressione falda a valle	=	10.500	m
sovraccarico a valle	=	0.0000	kPa
quota del sovraccarico a valle	=	-0.99900E+30	m
quota di taglio	=	0.0000	m
quota di equil. pressioni dell'acqua	=	-30.000	m
indicatore comportamento acqua	=	0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	=	0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 7

WALL RightWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-12.500	m
quota della falda	=	-2.0000	m
sovraccarico a monte	=	0.0000	kPa
quota del sovraccarico a monte	=	0.0000	m
depressione falda a valle	=	10.500	m
sovraccarico a valle	=	0.0000	kPa
quota del sovraccarico a valle	=	-0.99900E+30	m
quota di taglio	=	0.0000	m
quota di equil. pressioni dell'acqua	=	-30.000	m
indicatore comportamento acqua	=	0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	=	0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 8

WALL RightWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-14.500	m
quota della falda	=	-2.0000	m
sovraccarico a monte	=	0.0000	kPa
quota del sovraccarico a monte	=	0.0000	m
depressione falda a valle	=	12.500	m
sovraccarico a valle	=	0.0000	kPa

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RIASSUNTO DATI RELATIVI ALLA FASE 8

quota del sovraccarico a valle	=	0.0000	m
quota di taglio	=	0.0000	m
quota di equil. pressioni dell'acqua	=	-30.000	m
indicatore comportamento acqua	=	0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	=	0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 9

WALL RightWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-13.800	m
quota della falda	=	-2.0000	m
sovraccarico a monte	=	23.000	kPa
quota del sovraccarico a monte	=	0.0000	m
depressione falda a valle	=	11.800	m
sovraccarico a valle	=	0.0000	kPa
quota del sovraccarico a valle	=	0.0000	m
quota di taglio	=	0.0000	m
quota di equil. pressioni dell'acqua	=	-30.000	m
indicatore comportamento acqua	=	0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	=	0.0000	(1=NO UPD)

RIASSUNTO ELEMENTI
 =====

RIASSUNTO ELEMENTI SOIL						
Name	Wall	Z1	Z2	Flag	Angle	
		m	m		deg	
DHRight	RightWall	0.	-30.00	DOWNHILL	0.	
UHRight	RightWall	0.	-30.00	UPHILL	180.0	

RIASSUNTO ELEMENTI BEAM						
Name	Wall	Z1	Z2	Mat	thick	
		m	m		m	
Right_wall	RightWall	0.	-28.00	_	0.9794	

RIASSUNTO ELEMENTI WIRE						
Name	Wall	Zeta	Mat	A/L	Pinit	Angle
		m			kN/m	deg
Wire01	RightWall	-.5000	_	0.2872E-04	150.0	157.5
Wire2	RightWall	-4.000	_	0.4308E-04	150.0	157.5
Wire3	RightWall	-8.000	_	0.4308E-04	300.0	157.5
Wire4	RightWall	-12.00	_	0.4308E-04	300.0	157.5

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RIASSUNTO DATI VARI
=====

MATERIALI	
Name	YOUNG MODULUS
	kPa
Pali	3.2308E+007
Acci	2.1E+008

SPOSTAMENTI IMPRESSI							
Wall	Zeta	Dir.	type	value	units	from	to
Righ	-13.6	ydispl	REL	0	m	9	9

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RIASSUNTO ANALISI INCREMENTALE

FASE	N. DI ITERAZIONI	CONVERGENZA
1	3	SI
2	2	SI
3	2	SI
4	2	SI
5	2	SI
6	2	SI
7	2	SI
8	2	SI
9	2	SI

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MASSIMI SPOSTAMENTI LATERALI

TUTTI I PASSI

* PARETE RightWall*

* I PASSI NON EQUILIBRATI SONO ESCLUSI *

* NOTA: LE QUOTE ESPRESSE IN m

E GLI SPOSTAMENTI IN m

NODO	QUOTA ZETA	SPOSTAMENTO MASSIMO	FASE	PARETE RightWall
1	0.0000	0.68682E-02	8	
2	-0.20000	0.59320E-02	8	
3	-0.40000	0.49958E-02	8	
4	-0.50000	0.45277E-02	8	
5	-0.70000	0.35915E-02	8	
6	-0.90000	0.33633E-02	1	
7	-1.1000	-0.40393E-02	9	
8	-1.3000	-0.48783E-02	9	
9	-1.5000	-0.57158E-02	9	
10	-1.7000	-0.65513E-02	9	
11	-1.9000	-0.73844E-02	9	
12	-2.1000	-0.82151E-02	9	
13	-2.3000	-0.90428E-02	9	
14	-2.5000	-0.98675E-02	9	
15	-2.7000	-0.10689E-01	9	
16	-2.9000	-0.11507E-01	9	
17	-3.1000	-0.12321E-01	9	
18	-3.3000	-0.13131E-01	9	
19	-3.5000	-0.13938E-01	9	
20	-3.7000	-0.14741E-01	9	
21	-3.9000	-0.15540E-01	9	
22	-4.0000	-0.15938E-01	9	
23	-4.2000	-0.16732E-01	9	
24	-4.4000	-0.17521E-01	9	
25	-4.6000	-0.18305E-01	9	
26	-4.8000	-0.19083E-01	9	
27	-5.0000	-0.19855E-01	9	
28	-5.2000	-0.20621E-01	9	
29	-5.4000	-0.21379E-01	9	
30	-5.6000	-0.22129E-01	9	
31	-5.8000	-0.22872E-01	9	
32	-6.0000	-0.23606E-01	9	
33	-6.2000	-0.24332E-01	9	
34	-6.4000	-0.25048E-01	9	
35	-6.6000	-0.25756E-01	9	
36	-6.8000	-0.26454E-01	9	
37	-7.0000	-0.27142E-01	9	
38	-7.2000	-0.27821E-01	9	

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NODO	QUOTA ZETA	SPOSTAMENTO MASSIMO	FASE PARETE RightWall
39	-7.4000	-0.28491E-01	9
40	-7.6000	-0.29151E-01	9
41	-7.8000	-0.29801E-01	9
42	-8.0000	-0.30442E-01	9
43	-8.2000	-0.31074E-01	9
44	-8.4000	-0.31696E-01	9
45	-8.6000	-0.32306E-01	9
46	-8.8000	-0.32904E-01	9
47	-9.0000	-0.33490E-01	9
48	-9.2000	-0.34061E-01	9
49	-9.4000	-0.34618E-01	9
50	-9.6000	-0.35160E-01	9
51	-9.8000	-0.35687E-01	9
52	-10.000	-0.36197E-01	9
53	-10.200	-0.36691E-01	9
54	-10.400	-0.37168E-01	9
55	-10.600	-0.37627E-01	9
56	-10.800	-0.38069E-01	9
57	-11.000	-0.38494E-01	9
58	-11.200	-0.38901E-01	9
59	-11.400	-0.39290E-01	9
60	-11.600	-0.39662E-01	9
61	-11.800	-0.40017E-01	9
62	-12.000	-0.40356E-01	9
63	-12.200	-0.40678E-01	9
64	-12.400	-0.40983E-01	9
65	-12.600	-0.41270E-01	9
66	-12.800	-0.41540E-01	9
67	-13.000	-0.41792E-01	9
68	-13.200	-0.42025E-01	9
69	-13.400	-0.42241E-01	9
70	-13.600	-0.42438E-01	9
71	-13.800	-0.42680E-01	8
72	-14.000	-0.42901E-01	8
73	-14.200	-0.43102E-01	8
74	-14.400	-0.43282E-01	8
75	-14.600	-0.43443E-01	8
76	-14.800	-0.43585E-01	8
77	-15.000	-0.43708E-01	8
78	-15.200	-0.43814E-01	8
79	-15.400	-0.43902E-01	8
80	-15.600	-0.43974E-01	8
81	-15.800	-0.44030E-01	8
82	-16.000	-0.44071E-01	8
83	-16.200	-0.44097E-01	8
84	-16.400	-0.44110E-01	8

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NODO	QUOTA ZETA	SPOSTAMENTO MASSIMO	FASE PARETE RightWall
85	-16.600	-0.44109E-01	8
86	-16.800	-0.44096E-01	8
87	-17.000	-0.44071E-01	8
88	-17.200	-0.44034E-01	8
89	-17.400	-0.43986E-01	8
90	-17.600	-0.43928E-01	8
91	-17.800	-0.43861E-01	8
92	-18.000	-0.43784E-01	8
93	-18.200	-0.43698E-01	8
94	-18.400	-0.43604E-01	8
95	-18.600	-0.43502E-01	8
96	-18.800	-0.43393E-01	8
97	-19.000	-0.43277E-01	8
98	-19.200	-0.43154E-01	8
99	-19.400	-0.43026E-01	8
100	-19.600	-0.42891E-01	8
101	-19.800	-0.42752E-01	8
102	-20.000	-0.42607E-01	8
103	-20.200	-0.42458E-01	8
104	-20.400	-0.42305E-01	8
105	-20.600	-0.42147E-01	8
106	-20.800	-0.41986E-01	8
107	-21.000	-0.41822E-01	8
108	-21.200	-0.41654E-01	8
109	-21.400	-0.41484E-01	8
110	-21.600	-0.41311E-01	8
111	-21.800	-0.41136E-01	8
112	-22.000	-0.40958E-01	8
113	-22.200	-0.40779E-01	8
114	-22.400	-0.40597E-01	8
115	-22.600	-0.40414E-01	8
116	-22.800	-0.40230E-01	8
117	-23.000	-0.40044E-01	8
118	-23.200	-0.39858E-01	8
119	-23.400	-0.39670E-01	8
120	-23.600	-0.39481E-01	8
121	-23.800	-0.39292E-01	8
122	-24.000	-0.39101E-01	8
123	-24.200	-0.38911E-01	8
124	-24.400	-0.38719E-01	8
125	-24.600	-0.38528E-01	8
126	-24.800	-0.38336E-01	8
127	-25.000	-0.38143E-01	8
128	-25.200	-0.37951E-01	8
129	-25.400	-0.37758E-01	8
130	-25.600	-0.37565E-01	8

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NODO	QUOTA ZETA	SPOSTAMENTO MASSIMO	FASE PARETE RightWall
131	-25.800	-0.37372E-01	8
132	-26.000	-0.37179E-01	8
133	-26.200	-0.36985E-01	8
134	-26.400	-0.36792E-01	8
135	-26.600	-0.36599E-01	8
136	-26.800	-0.36405E-01	8
137	-27.000	-0.36212E-01	8
138	-27.200	-0.36018E-01	8
139	-27.400	-0.35825E-01	8
140	-27.600	-0.35631E-01	8
141	-27.800	-0.35438E-01	8
142	-28.000	-0.35245E-01	8
143	-28.200	-0.34721E-01	9
144	-28.400	-0.34653E-01	9
145	-28.600	-0.34585E-01	9
146	-28.800	-0.34518E-01	9
147	-29.000	-0.34451E-01	9
148	-29.200	-0.34384E-01	9
149	-29.400	-0.34318E-01	9
150	-29.600	-0.34252E-01	9
151	-29.800	-0.34186E-01	9
152	-30.000	-0.34121E-01	9

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PAG. 19

STEP DI CARICO NO. 9

NOD	Y-REACT [kN/m]	X-MOM-R [kN*m/m]
70	0.75817032E+02	0.00000000E+00

INVILUPPO AZIONI INTERNE NEGLI ELEMENTI DI PARETE
 (PER UNITA' DI PROFONDITA')

* PARETE RightWall GRUPPO Right_wall*

STEP 1 - 9

* I PASSI NON EQUILIBRATI SONO ESCLUSI *

Nella tabella si stampano i seguenti risultati:

MOMENTO SX = Momento che tende le fibre sulla faccia sinistra [kN*m/m]

MOMENTO DX = Momento che tende le fibre sulla faccia destra [kN*m/m]

TAGLIO = forza tagliante (valore assoluto, priva di segno)[kN/m]

BEAM EL.	ESTREMO	QUOTA	MOMENTO SX	MOMENTO DX	TAGLIO
1	A	0.	0.1601E-09	0.4366E-09	3.246
	B	-0.2000	0.	0.6493	3.246
2	A	-0.2000	0.	0.6493	10.05
	B	-0.4000	0.	2.659	10.05
3	A	-0.4000	0.	2.659	15.38
	B	-0.5000	0.	4.197	15.38
4	A	-0.5000	0.	4.197	162.7
	B	-0.7000	31.69	0.	162.7
5	A	-0.7000	31.69	0.	160.3
	B	-0.9000	63.75	0.	160.3
6	A	-0.9000	63.75	0.	157.4
	B	-1.100	95.23	0.	157.4
7	A	-1.100	95.23	0.	154.2
	B	-1.300	126.1	0.	154.2
8	A	-1.300	126.1	0.	150.6
	B	-1.500	156.2	0.	150.6
9	A	-1.500	156.2	0.	146.6
	B	-1.700	185.5	0.	146.6
10	A	-1.700	185.5	0.	142.2
	B	-1.900	213.9	0.	142.2
11	A	-1.900	213.9	0.	137.3
	B	-2.100	241.4	0.	137.3
12	A	-2.100	241.4	0.	132.1
	B	-2.300	267.8	0.	132.1
13	A	-2.300	267.8	0.	126.2
	B	-2.500	293.1	0.	126.2
14	A	-2.500	293.1	0.	119.7
	B	-2.700	317.0	0.	119.7
15	A	-2.700	317.0	0.	112.7
	B	-2.900	339.5	0.	112.7
16	A	-2.900	339.5	0.	105.1
	B	-3.100	360.6	0.	105.1
17	A	-3.100	360.6	0.	96.94
	B	-3.300	380.0	0.	96.94

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BEAM EL.	ESTREMO	QUOTA	MOMENTO SX	MOMENTO DX	TAGLIO
18	A	-3.300	380.0	0.	88.18
	B	-3.500	397.6	0.	88.18
19	A	-3.500	397.6	0.	78.83
	B	-3.700	413.4	0.	78.83
20	A	-3.700	413.4	0.	68.89
	B	-3.900	427.1	0.	68.89
21	A	-3.900	427.1	0.	60.99
	B	-4.000	433.2	0.	60.99
22	A	-4.000	433.2	0.	265.8
	B	-4.200	486.4	0.	265.8
23	A	-4.200	486.4	0.	254.3
	B	-4.400	537.3	0.	254.3
24	A	-4.400	537.3	0.	242.3
	B	-4.600	585.7	0.	242.3
25	A	-4.600	585.7	0.	229.6
	B	-4.800	631.6	0.	229.6
26	A	-4.800	631.6	0.	216.4
	B	-5.000	674.9	0.	216.4
27	A	-5.000	674.9	0.	205.0
	B	-5.200	715.9	0.	205.0
28	A	-5.200	715.9	0.	193.1
	B	-5.400	754.5	0.	193.1
29	A	-5.400	754.5	0.	180.7
	B	-5.600	790.7	0.	180.7
30	A	-5.600	790.7	0.	167.7
	B	-5.800	824.2	0.	167.7
31	A	-5.800	824.2	0.	154.2
	B	-6.000	855.1	0.	154.2
32	A	-6.000	855.1	0.	140.0
	B	-6.200	883.1	0.	140.0
33	A	-6.200	883.1	0.	125.3
	B	-6.400	908.1	0.	125.3
34	A	-6.400	908.1	0.	109.9
	B	-6.600	930.1	0.	109.9
35	A	-6.600	930.1	0.	93.95
	B	-6.800	948.9	0.	93.95
36	A	-6.800	948.9	0.	77.37
	B	-7.000	964.4	0.	77.37
37	A	-7.000	964.4	0.	60.17
	B	-7.200	976.4	0.	60.17
38	A	-7.200	976.4	0.	71.21
	B	-7.400	984.9	0.	71.21
39	A	-7.400	984.9	0.	92.62
	B	-7.600	989.6	0.	92.62
40	A	-7.600	989.6	0.	114.7
	B	-7.800	990.6	0.	114.7

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History 0 - HOMOROD

BEAM EL.	ESTREMO	QUOTA	MOMENTO SX	MOMENTO DX	TAGLIO
41	A	-7.800	990.6	0.	137.5
	B	-8.000	987.5	0.	137.5
42	A	-8.000	987.5	0.	360.8
	B	-8.200	980.3	0.	360.8
43	A	-8.200	980.3	0.	343.3
	B	-8.400	968.9	0.	343.3
44	A	-8.400	968.9	0.	325.3
	B	-8.600	1013.	0.	325.3
45	A	-8.600	1013.	0.	306.7
	B	-8.800	1075.	0.	306.7
46	A	-8.800	1075.	0.	287.6
	B	-9.000	1132.	0.	287.6
47	A	-9.000	1132.	0.	267.9
	B	-9.200	1186.	0.	267.9
48	A	-9.200	1186.	0.	247.5
	B	-9.400	1235.	0.	247.5
49	A	-9.400	1235.	0.	226.6
	B	-9.600	1281.	0.	226.6
50	A	-9.600	1281.	0.	205.1
	B	-9.800	1322.	0.	205.1
51	A	-9.800	1322.	0.	182.9
	B	-10.00	1358.	0.	182.9
52	A	-10.00	1358.	0.	160.1
	B	-10.20	1390.	0.	160.1
53	A	-10.20	1390.	0.	136.6
	B	-10.40	1418.	0.	136.6
54	A	-10.40	1418.	0.	120.8
	B	-10.60	1440.	0.	120.8
55	A	-10.60	1440.	0.	122.4
	B	-10.80	1458.	0.	122.4
56	A	-10.80	1458.	0.	123.7
	B	-11.00	1470.	0.	123.7
57	A	-11.00	1470.	0.	124.8
	B	-11.20	1477.	0.	124.8
58	A	-11.20	1477.	0.	125.7
	B	-11.40	1479.	0.	125.7
59	A	-11.40	1479.	0.	139.3
	B	-11.60	1475.	0.	139.3
60	A	-11.60	1475.	0.	170.3
	B	-11.80	1465.	0.	170.3
61	A	-11.80	1465.	0.	202.0
	B	-12.00	1450.	0.	202.0
62	A	-12.00	1450.	0.	222.1
	B	-12.20	1428.	0.	222.1
63	A	-12.20	1428.	0.	192.6
	B	-12.40	1401.	0.	192.6

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PAG. 23

BEAM EL.	ESTREMO	QUOTA	MOMENTO SX	MOMENTO DX	TAGLIO
64	A	-12.40	1401.	0.	170.4
	B	-12.60	1367.	0.	170.4
65	A	-12.60	1367.	0.	181.6
	B	-12.80	1330.	0.	181.6
66	A	-12.80	1330.	0.	191.2
	B	-13.00	1297.	0.	191.2
67	A	-13.00	1297.	0.	199.8
	B	-13.20	1311.	0.	199.8
68	A	-13.20	1311.	0.	207.6
	B	-13.40	1318.	0.	207.6
69	A	-13.40	1318.	0.	214.8
	B	-13.60	1317.	0.	214.8
70	A	-13.60	1317.	0.	221.5
	B	-13.80	1310.	0.	221.5
71	A	-13.80	1310.	0.	227.8
	B	-14.00	1296.	0.	227.8
72	A	-14.00	1296.	0.	233.7
	B	-14.20	1274.	0.	233.7
73	A	-14.20	1274.	0.	239.3
	B	-14.40	1245.	0.	239.3
74	A	-14.40	1245.	0.	244.6
	B	-14.60	1209.	0.	244.6
75	A	-14.60	1209.	0.	249.7
	B	-14.80	1169.	0.	249.7
76	A	-14.80	1169.	0.	254.6
	B	-15.00	1126.	0.	254.6
77	A	-15.00	1126.	0.	246.6
	B	-15.20	1083.	3.724	246.6
78	A	-15.20	1083.	3.724	238.5
	B	-15.40	1041.	10.31	238.5
79	A	-15.40	1041.	10.31	230.3
	B	-15.60	998.6	16.34	230.3
80	A	-15.60	998.6	16.34	222.1
	B	-15.80	957.2	21.83	222.1
81	A	-15.80	957.2	21.83	213.9
	B	-16.00	916.3	26.81	213.9
82	A	-16.00	916.3	26.81	205.7
	B	-16.20	876.2	31.31	205.7
83	A	-16.20	876.2	31.31	197.5
	B	-16.40	836.8	35.34	197.5
84	A	-16.40	836.8	35.34	192.9
	B	-16.60	798.2	38.93	192.9
85	A	-16.60	798.2	38.93	188.7
	B	-16.80	760.5	42.09	188.7
86	A	-16.80	760.5	42.09	184.2
	B	-17.00	723.6	44.86	184.2

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PAG. 24

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History 0 - HOMOROD

BEAM EL.	ESTREMO	QUOTA	MOMENTO SX	MOMENTO DX	TAGLIO
87	A	-17.00	723.6	44.86	179.5
	B	-17.20	687.7	47.25	179.5
88	A	-17.20	687.7	47.25	174.7
	B	-17.40	652.8	49.28	174.7
89	A	-17.40	652.8	49.28	169.8
	B	-17.60	618.8	55.45	169.8
90	A	-17.60	618.8	55.45	164.8
	B	-17.80	585.8	64.79	164.8
91	A	-17.80	585.8	64.79	159.8
	B	-18.00	553.9	73.17	159.8
92	A	-18.00	553.9	73.17	154.7
	B	-18.20	522.9	80.64	154.7
93	A	-18.20	522.9	80.64	149.5
	B	-18.40	493.0	87.24	149.5
94	A	-18.40	493.0	87.24	144.4
	B	-18.60	464.2	93.00	144.4
95	A	-18.60	464.2	93.00	139.2
	B	-18.80	436.3	97.96	139.2
96	A	-18.80	436.3	97.96	134.0
	B	-19.00	409.5	102.2	134.0
97	A	-19.00	409.5	102.2	128.9
	B	-19.20	383.7	105.7	128.9
98	A	-19.20	383.7	105.7	123.8
	B	-19.40	359.0	108.5	123.8
99	A	-19.40	359.0	108.5	118.7
	B	-19.60	335.2	110.6	118.7
100	A	-19.60	335.2	110.6	113.7
	B	-19.80	312.5	112.2	113.7
101	A	-19.80	312.5	112.2	108.7
	B	-20.00	290.8	113.1	108.7
102	A	-20.00	290.8	113.1	103.8
	B	-20.20	270.0	113.6	103.8
103	A	-20.20	270.0	113.6	98.97
	B	-20.40	250.2	113.5	98.97
104	A	-20.40	250.2	113.5	94.21
	B	-20.60	231.4	112.9	94.21
105	A	-20.60	231.4	112.9	89.54
	B	-20.80	213.5	111.9	89.54
106	A	-20.80	213.5	111.9	84.96
	B	-21.00	196.5	110.5	84.96
107	A	-21.00	196.5	110.5	80.47
	B	-21.20	180.4	108.7	80.47
108	A	-21.20	180.4	108.7	76.08
	B	-21.40	165.2	106.5	76.08
109	A	-21.40	165.2	106.5	71.79
	B	-21.60	150.8	104.0	71.79

PARATIE 7.00

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PAG. 25

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History 0 - HOMOROD

BEAM EL.	ESTREMO	QUOTA	MOMENTO SX	MOMENTO DX	TAGLIO
110	A	-21.60	150.8	104.0	67.60
	B	-21.80	137.3	101.3	67.60
111	A	-21.80	137.3	101.3	63.52
	B	-22.00	124.6	98.21	63.52
112	A	-22.00	124.6	98.21	59.56
	B	-22.20	112.7	94.93	59.56
113	A	-22.20	112.7	94.93	55.70
	B	-22.40	101.5	91.42	55.70
114	A	-22.40	101.5	91.42	51.97
	B	-22.60	91.14	87.73	51.97
115	A	-22.60	91.14	87.73	48.35
	B	-22.80	81.47	83.88	48.35
116	A	-22.80	81.47	83.88	44.85
	B	-23.00	72.50	79.89	44.85
117	A	-23.00	72.50	79.89	41.48
	B	-23.20	64.20	75.78	41.48
118	A	-23.20	64.20	75.78	38.22
	B	-23.40	56.56	71.59	38.22
119	A	-23.40	56.56	71.59	35.10
	B	-23.60	49.54	67.32	35.10
120	A	-23.60	49.54	67.32	32.10
	B	-23.80	43.12	63.02	32.10
121	A	-23.80	43.12	63.02	29.22
	B	-24.00	37.27	58.69	29.22
122	A	-24.00	37.27	58.69	26.48
	B	-24.20	31.98	54.37	26.48
123	A	-24.20	31.98	54.37	23.87
	B	-24.40	27.20	50.06	23.87
124	A	-24.40	27.20	50.06	21.39
	B	-24.60	22.93	45.81	21.39
125	A	-24.60	22.93	45.81	20.96
	B	-24.80	19.12	41.61	20.96
126	A	-24.80	19.12	41.61	20.53
	B	-25.00	15.76	37.51	20.53
127	A	-25.00	15.76	37.51	19.99
	B	-25.20	12.81	33.51	19.99
128	A	-25.20	12.81	33.51	19.36
	B	-25.40	10.25	29.64	19.36
129	A	-25.40	10.25	29.64	18.62
	B	-25.60	8.059	25.91	18.62
130	A	-25.60	8.059	25.91	17.78
	B	-25.80	6.201	22.36	17.78
131	A	-25.80	6.201	22.36	16.84
	B	-26.00	4.650	18.99	16.84
132	A	-26.00	4.650	18.99	15.80
	B	-26.20	3.381	15.83	15.80

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PAG. 26

BEAM EL.	ESTREMO	QUOTA	MOMENTO SX	MOMENTO DX	TAGLIO
133	A	-26.20	3.381	15.83	14.66
	B	-26.40	2.365	12.90	14.66
134	A	-26.40	2.365	12.90	13.42
	B	-26.60	1.575	10.22	13.42
135	A	-26.60	1.575	10.22	12.09
	B	-26.80	0.9818	7.800	12.09
136	A	-26.80	0.9818	7.800	10.65
	B	-27.00	0.5587	5.669	10.65
137	A	-27.00	0.5587	5.669	9.122
	B	-27.20	0.2772	3.845	9.122
138	A	-27.20	0.2772	3.845	7.493
	B	-27.40	0.1090	2.346	7.493
139	A	-27.40	0.1090	2.346	5.767
	B	-27.60	0.2581E-01	1.193	5.767
140	A	-27.60	0.2581E-01	1.193	3.943
	B	-27.80	0.	0.4041	3.943
141	A	-27.80	0.	0.4041	2.020
	B	-28.00	0.1834E-08	0.2612E-08	2.020

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PAG. 27

FORZE NEGLI ANCORAGGI ATTIVI (PER UNITA' DI PROFONDITA')

TIRANTE	Wire01	1 PARETE RightWall	QUOTA	-0.50000
		FASE 1 FORZA	150.00	kN/m
		FASE 2 FORZA	170.08	kN/m
		FASE 3 FORZA	156.74	kN/m
		FASE 4 FORZA	181.52	kN/m
		FASE 5 FORZA	167.55	kN/m
		FASE 6 FORZA	158.50	kN/m
		FASE 7 FORZA	158.43	kN/m
		FASE 8 FORZA	145.29	kN/m
		FASE 9 FORZA	178.97	kN/m
TIRANTE	Wire2	1 PARETE RightWall	QUOTA	-4.0000
		FASE 1 inattivo		
		FASE 2 inattivo		
		FASE 3 FORZA	150.00	kN/m
		FASE 4 FORZA	230.43	kN/m
		FASE 5 FORZA	198.40	kN/m
		FASE 6 FORZA	245.74	kN/m
		FASE 7 FORZA	228.30	kN/m
		FASE 8 FORZA	235.16	kN/m
		FASE 9 FORZA	271.59	kN/m
TIRANTE	Wire3	1 PARETE RightWall	QUOTA	-8.0000
		FASE 1 inattivo		
		FASE 2 inattivo		
		FASE 3 inattivo		
		FASE 4 inattivo		
		FASE 5 FORZA	300.00	kN/m
		FASE 6 FORZA	416.06	kN/m
		FASE 7 FORZA	379.99	kN/m
		FASE 8 FORZA	419.97	kN/m
		FASE 9 FORZA	440.11	kN/m
TIRANTE	Wire4	1 PARETE RightWall	QUOTA	-12.000
		FASE 1 inattivo		
		FASE 2 inattivo		
		FASE 3 inattivo		
		FASE 4 inattivo		
		FASE 5 inattivo		
		FASE 6 inattivo		
		FASE 7 FORZA	300.00	kN/m
		FASE 8 FORZA	374.64	kN/m
		FASE 9 FORZA	379.55	kN/m

INVILUPPO RISULTATI NEGLI ELEMENTI TERRENO

* PARETE RightWall GRUPPO DRight*

STEP 1 - 9

* I PASSI NON EQUILIBRATI SONO ESCLUSI *

Nella tabella si stampano i seguenti risultati:

SIGMA-H = massimo sforzo orizzontale efficace [kPa]
 TAGLIO = massimo sforzo di taglio [kPa]
 PR. ACQUA =massima pressione interstiziale [kPa]
 GRAD. MAX =massimo gradiente idraulico

SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
1	0.	0.	0.	0.	0.
2	-0.2000	0.	0.	0.	0.
3	-0.4000	0.	0.	0.	0.
4	-0.5000	0.	0.	0.	0.
5	-0.7000	0.	1.900	0.	0.
6	-0.9000	0.	3.800	0.	0.
7	-1.100	0.	5.700	0.	0.
8	-1.300	0.	7.600	0.	0.
9	-1.500	3.345	7.828	0.	0.
10	-1.700	7.981	7.410	0.	0.
11	-1.900	12.61	6.997	0.	0.
12	-2.100	17.22	6.590	0.	0.
13	-2.300	21.82	6.191	0.	0.
14	-2.500	26.40	5.798	0.	0.
15	-2.700	30.97	5.413	0.	0.
16	-2.900	35.53	5.037	0.	0.
17	-3.100	40.06	4.669	0.	0.
18	-3.300	44.58	4.311	0.	0.
19	-3.500	49.08	3.962	0.	0.
20	-3.700	53.56	3.622	0.	0.
21	-3.900	58.01	3.293	0.	0.
22	-4.000	60.24	8.973	0.	0.
23	-4.200	64.66	10.86	2.074	0.3704E-01
24	-4.400	69.07	12.85	4.148	0.3704E-01
25	-4.600	73.46	14.38	6.222	0.3704E-01
26	-4.800	77.82	15.69	8.296	0.3704E-01
27	-5.000	80.99	19.52	10.37	0.3704E-01
28	-5.200	85.60	20.73	12.44	0.3704E-01
29	-5.400	90.18	21.84	14.52	0.3704E-01
30	-5.600	94.73	22.89	16.59	0.3704E-01
31	-5.800	99.25	23.88	18.67	0.3704E-01
32	-6.000	103.7	24.82	20.74	0.3704E-01
33	-6.200	108.2	25.72	22.81	0.3704E-01
34	-6.400	112.6	26.56	24.89	0.3704E-01
35	-6.600	116.9	27.33	26.96	0.3704E-01

PARATIE 7.00

Ce.A.S. s.r.l. - Milano

PAG. 29

16 NOVEMBRE 2011 13:13:01

History 0 - HOMOROD

SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
36	-6.800	121.2	28.08	29.04	0.3704E-01
37	-7.000	125.5	28.80	31.11	0.3704E-01
38	-7.200	129.7	29.49	33.19	0.3704E-01
39	-7.400	133.9	30.16	35.26	0.3704E-01
40	-7.600	138.1	30.81	37.33	0.3704E-01
41	-7.800	142.3	31.44	39.41	0.3704E-01
42	-8.000	146.5	32.05	41.48	0.3704E-01
43	-8.200	150.7	32.64	43.56	0.3704E-01
44	-8.400	154.8	33.21	45.63	0.3704E-01
45	-8.600	158.9	36.02	47.70	0.1313
46	-8.800	163.0	39.76	49.78	0.1313
47	-9.000	167.1	42.27	51.85	0.1313
48	-9.200	171.2	44.26	53.93	0.1313
49	-9.400	175.2	45.95	56.00	0.1313
50	-9.600	179.2	47.44	58.07	0.1313
51	-9.800	183.3	48.77	60.15	0.1313
52	-10.00	187.3	49.99	62.22	0.1313
53	-10.20	191.3	51.10	64.30	0.1313
54	-10.40	195.3	52.13	66.37	0.1313
55	-10.60	199.2	53.10	68.44	0.1313
56	-10.80	203.2	54.00	70.52	0.1313
57	-11.00	207.2	54.84	72.59	0.1313
58	-11.20	211.1	55.64	74.67	0.1313
59	-11.40	215.1	56.39	76.74	0.1313
60	-11.60	219.0	57.10	78.81	0.1313
61	-11.80	222.9	57.77	80.89	0.1313
62	-12.00	226.8	58.41	82.96	0.1313
63	-12.20	230.7	59.02	85.04	0.1313
64	-12.40	234.6	59.60	87.11	0.1313
65	-12.60	238.5	60.15	89.19	0.2308
66	-12.80	242.4	60.67	91.26	0.2308
67	-13.00	246.3	61.18	93.33	0.2308
68	-13.20	250.2	61.89	95.41	0.2308
69	-13.40	254.1	63.73	97.48	0.2308
70	-13.60	257.9	65.32	99.56	0.2308
71	-13.80	261.8	66.74	101.6	0.2308
72	-14.00	265.6	68.02	103.7	0.2670
73	-14.20	269.5	69.18	105.8	0.2670
74	-14.40	273.4	70.25	107.9	0.2670
75	-14.60	277.2	71.24	109.9	0.2874
76	-14.80	281.1	72.16	112.0	0.2874
77	-15.00	286.6	87.36	114.1	0.2874
78	-15.20	290.5	88.13	116.1	0.2874
79	-15.40	294.3	88.84	118.2	0.2874
80	-15.60	298.1	89.82	120.3	0.2874
81	-15.80	301.9	90.90	122.4	0.2874

PARATIE 7.00

Ce.A.S. s.r.l. - Milano

PAG. 30

16 NOVEMBRE 2011 13:13:01

History 0 - HOMOROD

SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
82	-16.00	305.8	91.89	124.4	0.2874
83	-16.20	309.6	92.83	126.5	0.2874
84	-16.40	313.4	93.70	128.6	0.2874
85	-16.60	317.2	94.52	130.7	0.2874
86	-16.80	321.1	95.30	132.7	0.2874
87	-17.00	324.9	96.04	134.8	0.2874
88	-17.20	328.7	96.74	136.9	0.2874
89	-17.40	332.5	97.41	139.0	0.2874
90	-17.60	336.4	98.04	141.0	0.2874
91	-17.80	340.2	98.65	143.1	0.2874
92	-18.00	344.0	99.24	145.2	0.2874
93	-18.20	347.9	99.80	147.3	0.2874
94	-18.40	351.7	100.3	149.3	0.2874
95	-18.60	355.5	100.9	151.4	0.2874
96	-18.80	359.4	101.4	153.5	0.2874
97	-19.00	363.2	101.9	155.6	0.2874
98	-19.20	367.0	102.3	157.6	0.2874
99	-19.40	370.9	102.8	159.7	0.2874
100	-19.60	374.7	103.2	161.8	0.2874
101	-19.80	378.6	103.7	163.9	0.2874
102	-20.00	382.4	104.1	165.9	0.2874
103	-20.20	386.3	104.5	168.0	0.2874
104	-20.40	390.1	104.9	170.1	0.2874
105	-20.60	394.0	105.3	172.1	0.2874
106	-20.80	397.8	105.7	174.2	0.2874
107	-21.00	401.7	106.1	176.3	0.2874
108	-21.20	405.6	106.5	178.4	0.2874
109	-21.40	409.4	106.8	180.4	0.2874
110	-21.60	413.3	107.2	182.5	0.2874
111	-21.80	417.2	107.6	184.6	0.2874
112	-22.00	421.0	107.9	186.7	0.2874
113	-22.20	424.9	108.3	188.7	0.2874
114	-22.40	428.8	108.6	190.8	0.2874
115	-22.60	432.6	109.0	192.9	0.2874
116	-22.80	436.5	109.3	195.0	0.2874
117	-23.00	440.4	109.6	197.0	0.2874
118	-23.20	444.2	110.0	199.1	0.2874
119	-23.40	448.1	110.3	201.2	0.2874
120	-23.60	452.0	110.6	203.3	0.2874
121	-23.80	455.9	111.0	205.3	0.2874
122	-24.00	459.8	111.3	207.4	0.2874
123	-24.20	463.6	111.6	209.5	0.2874
124	-24.40	467.5	111.9	211.6	0.2874
125	-24.60	471.4	112.2	213.6	0.2874
126	-24.80	475.3	112.5	215.7	0.2874
127	-25.00	479.2	112.9	217.8	0.2874

PARATIE 7.00

Ce.A.S. s.r.l. - Milano

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16 NOVEMBRE 2011 13:13:01

History 0 - HOMOROD

SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
128	-25.20	483.0	113.2	219.9	0.2874
129	-25.40	486.9	113.5	221.9	0.2874
130	-25.60	490.8	113.8	224.0	0.2874
131	-25.80	494.7	114.1	226.1	0.2874
132	-26.00	498.6	114.4	228.1	0.2874
133	-26.20	502.5	114.7	230.2	0.2874
134	-26.40	506.3	115.0	232.3	0.2874
135	-26.60	510.2	115.3	234.4	0.2874
136	-26.80	514.1	115.6	236.4	0.2874
137	-27.00	518.0	115.9	238.5	0.2874
138	-27.20	521.9	116.2	240.6	0.2874
139	-27.40	525.8	116.5	242.7	0.2874
140	-27.60	529.6	116.8	244.7	0.2874
141	-27.80	533.5	117.1	246.8	0.2874
142	-28.00	537.4	117.4	248.9	0.2874
143	-28.20	541.7	118.2	251.0	0.2874
144	-28.40	545.6	118.6	253.0	0.2874
145	-28.60	549.5	119.1	255.1	0.2874
146	-28.80	553.4	119.5	257.2	0.2874
147	-29.00	557.3	119.9	259.3	0.2874
148	-29.20	561.2	120.4	261.3	0.2874
149	-29.40	565.1	120.8	263.4	0.2874
150	-29.60	569.0	121.3	265.5	0.2874
151	-29.80	572.9	121.7	267.6	0.2874
152	-30.00	576.8	122.1	269.6	0.2874

INVILUPPO RISULTATI NEGLI ELEMENTI TERRENO

* PARETE RightWall GRUPPO UHRight*

STEP 1 - 9

* I PASSI NON EQUILIBRATI SONO ESCLUSI *

Nella tabella si stampano i seguenti risultati:

SIGMA-H = massimo sforzo orizzontale efficace [kPa]
 TAGLIO = massimo sforzo di taglio [kPa]
 PR. ACQUA =massima pressione interstiziale [kPa]
 GRAD. MAX =massimo gradiente idraulico

SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
1	0.	32.46	9.610	0.	0.
2	-0.2000	34.01	9.234	0.	0.
3	-0.4000	35.56	8.858	0.	0.
4	-0.5000	36.33	8.670	0.	0.
5	-0.7000	37.88	8.294	0.	0.
6	-0.9000	39.43	7.919	0.	0.
7	-1.100	40.98	7.546	0.	0.
8	-1.300	42.54	7.175	0.	0.
9	-1.500	44.10	6.807	0.	0.
10	-1.700	45.68	6.443	0.	0.
11	-1.900	48.27	6.085	0.	0.
12	-2.100	51.36	7.017	0.9630	0.2874
13	-2.300	54.47	8.111	2.889	0.2874
14	-2.500	57.58	9.197	4.815	0.2874
15	-2.700	60.72	10.27	6.741	0.2874
16	-2.900	63.86	11.34	8.667	0.2874
17	-3.100	67.02	12.40	10.59	0.2874
18	-3.300	70.20	13.45	12.52	0.2874
19	-3.500	73.39	14.50	14.44	0.2874
20	-3.700	76.60	15.53	16.37	0.2874
21	-3.900	79.83	16.55	18.30	0.2874
22	-4.000	81.45	17.06	19.26	0.2874
23	-4.200	84.70	18.06	21.19	0.2874
24	-4.400	87.97	19.06	23.11	0.2874
25	-4.600	91.26	20.04	25.04	0.2874
26	-4.800	94.57	21.01	26.96	0.2874
27	-5.000	99.35	29.51	28.89	0.2874
28	-5.200	102.6	30.71	30.81	0.2874
29	-5.400	105.8	31.63	32.74	0.2874
30	-5.600	109.1	32.53	34.67	0.2874
31	-5.800	112.4	33.41	36.59	0.2874
32	-6.000	115.7	34.27	38.52	0.2874
33	-6.200	119.1	35.10	40.44	0.2874
34	-6.400	122.4	35.91	42.37	0.2874
35	-6.600	125.8	36.75	44.30	0.2874

PARATIE 7.00

Ce.A.S. s.r.l. - Milano

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16 NOVEMBRE 2011 13:13:01

History 0 - HOMOROD

SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
36	-6.800	129.1	37.57	46.22	0.2874
37	-7.000	132.4	38.37	48.15	0.2874
38	-7.200	135.8	39.14	50.07	0.2874
39	-7.400	139.2	39.88	52.00	0.2874
40	-7.600	142.6	40.60	53.93	0.2874
41	-7.800	146.0	41.28	55.85	0.2874
42	-8.000	149.5	41.94	57.78	0.2874
43	-8.200	153.0	42.57	59.70	0.2874
44	-8.400	156.6	43.18	61.63	0.2874
45	-8.600	160.1	43.75	63.56	0.2874
46	-8.800	163.7	44.30	65.48	0.2874
47	-9.000	167.3	44.82	67.41	0.2874
48	-9.200	171.0	45.30	69.33	0.2874
49	-9.400	174.6	45.76	71.26	0.2874
50	-9.600	178.3	46.18	73.19	0.2874
51	-9.800	182.0	46.57	75.11	0.2874
52	-10.00	185.8	46.93	77.04	0.2874
53	-10.20	189.5	47.26	78.96	0.2874
54	-10.40	193.3	47.55	80.89	0.2874
55	-10.60	197.0	47.81	82.81	0.2874
56	-10.80	200.8	48.04	84.74	0.2874
57	-11.00	204.6	48.24	86.67	0.2874
58	-11.20	208.5	48.41	88.59	0.2874
59	-11.40	212.3	48.54	90.52	0.2874
60	-11.60	216.2	48.65	92.44	0.2874
61	-11.80	220.0	48.72	94.37	0.2874
62	-12.00	223.9	48.77	96.30	0.2874
63	-12.20	227.8	48.79	98.22	0.2874
64	-12.40	231.7	48.78	100.1	0.2874
65	-12.60	235.6	48.74	102.1	0.2874
66	-12.80	239.5	48.67	104.0	0.2874
67	-13.00	243.4	48.58	105.9	0.2874
68	-13.20	247.4	48.46	107.9	0.2874
69	-13.40	251.3	48.31	109.8	0.2874
70	-13.60	255.3	48.14	111.7	0.2874
71	-13.80	259.2	47.94	113.6	0.2874
72	-14.00	263.2	47.71	115.6	0.2874
73	-14.20	267.1	47.47	117.5	0.2874
74	-14.40	271.1	47.19	119.4	0.2874
75	-14.60	275.1	46.90	121.3	0.2874
76	-14.80	279.1	46.58	123.3	0.2874
77	-15.00	280.9	65.43	125.2	0.2874
78	-15.20	284.9	65.06	127.1	0.2874
79	-15.40	288.9	64.68	129.0	0.2874
80	-15.60	293.0	64.27	131.0	0.2874
81	-15.80	297.0	63.84	132.9	0.2874

PARATIE 7.00

Ce.A.S. s.r.l. - Milano

PAG. 34

16 NOVEMBRE 2011 13:13:01

History 0 - HOMOROD

SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
82	-16.00	301.0	63.39	134.8	0.2874
83	-16.20	305.0	62.92	136.7	0.2874
84	-16.40	309.0	62.44	138.7	0.2874
85	-16.60	313.0	61.94	140.6	0.2874
86	-16.80	317.0	61.42	142.5	0.2874
87	-17.00	321.0	60.89	144.4	0.2874
88	-17.20	325.1	60.35	146.4	0.2874
89	-17.40	329.1	59.80	148.3	0.2874
90	-17.60	333.1	59.24	150.2	0.2874
91	-17.80	337.1	58.67	152.1	0.2874
92	-18.00	341.1	58.09	154.1	0.2874
93	-18.20	345.1	57.50	156.0	0.2874
94	-18.40	349.1	56.90	157.9	0.2874
95	-18.60	353.1	56.30	159.9	0.2874
96	-18.80	357.1	55.69	161.8	0.2874
97	-19.00	361.0	55.07	163.7	0.2874
98	-19.20	365.0	54.45	165.6	0.2874
99	-19.40	369.0	53.83	167.6	0.2874
100	-19.60	373.0	53.20	169.5	0.2874
101	-19.80	377.0	52.57	171.4	0.2874
102	-20.00	381.0	51.94	173.3	0.2874
103	-20.20	384.9	51.31	175.3	0.2874
104	-20.40	388.9	50.67	177.2	0.2874
105	-20.60	392.9	50.03	179.1	0.2874
106	-20.80	396.8	49.39	181.0	0.2874
107	-21.00	400.8	48.75	183.0	0.2874
108	-21.20	404.7	48.11	184.9	0.2874
109	-21.40	408.7	47.46	186.8	0.2874
110	-21.60	412.7	46.82	188.7	0.2874
111	-21.80	416.6	46.18	190.7	0.2874
112	-22.00	420.6	45.54	192.6	0.2874
113	-22.20	424.5	44.90	194.5	0.2874
114	-22.40	428.5	44.25	196.4	0.2874
115	-22.60	432.4	43.61	198.4	0.2874
116	-22.80	436.3	42.97	200.3	0.2874
117	-23.00	440.3	42.33	202.2	0.2874
118	-23.20	444.2	41.69	204.1	0.2874
119	-23.40	448.2	41.05	206.1	0.2874
120	-23.60	452.1	40.42	208.0	0.2874
121	-23.80	456.0	39.78	209.9	0.2874
122	-24.00	460.0	39.14	211.9	0.2874
123	-24.20	463.9	38.51	213.8	0.2874
124	-24.40	467.8	37.87	215.7	0.2874
125	-24.60	471.7	37.24	217.6	0.2874
126	-24.80	475.7	36.61	219.6	0.2874
127	-25.00	479.6	35.97	221.5	0.2874

PARATIE 7.00

Ce.A.S. s.r.l. - Milano

PAG. 35

16 NOVEMBRE 2011 13:13:01

History 0 - HOMOROD

SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
128	-25.20	483.5	35.34	223.4	0.2874
129	-25.40	487.4	34.71	225.3	0.2874
130	-25.60	491.4	34.08	227.3	0.2874
131	-25.80	495.3	33.45	229.2	0.2874
132	-26.00	499.2	32.95	231.1	0.2874
133	-26.20	503.1	33.39	233.0	0.2874
134	-26.40	507.1	33.83	235.0	0.2874
135	-26.60	511.0	34.27	236.9	0.2874
136	-26.80	514.9	34.71	238.8	0.2874
137	-27.00	518.8	35.15	240.7	0.2874
138	-27.20	522.8	35.60	242.7	0.2874
139	-27.40	526.7	36.05	244.6	0.2874
140	-27.60	530.6	36.50	246.5	0.2874
141	-27.80	534.5	36.95	248.4	0.2874
142	-28.00	538.4	37.40	250.4	0.2874
143	-28.20	541.7	36.94	252.3	0.2874
144	-28.40	545.6	37.35	254.2	0.2874
145	-28.60	549.5	37.77	256.1	0.2874
146	-28.80	553.4	38.18	258.1	0.2874
147	-29.00	557.3	38.59	260.0	0.2874
148	-29.20	561.2	39.01	261.9	0.2874
149	-29.40	565.1	39.42	263.9	0.2874
150	-29.60	569.0	39.84	265.8	0.2874
151	-29.80	572.9	40.25	267.7	0.2874
152	-30.00	576.8	40.66	269.6	0.2874

RIASSUNTO SPINTE NEGLI ELEMENTI TERRENO
(LE SPINTE SONO CALCOLATE INTEGRANDO GLI SFORZI NEI SINGOLI ELEMENTI MOLLA)

SPINTA EFFICACE VERA = Integrale delle pressioni orizzontali efficaci in tutti gli elementi nel gruppo: unita' di misura kN/m

SPINTA ACQUA = Integrale delle pressioni interstiziali in tutti gli elementi nel gruppo: unita' di misura kN/m

SPINTA TOTALE VERA = Somma della SPINTA EFFICACE e della SPINTA DELL'ACQUA: e' l' azione totale sulla parete: unita' di misura kN/m

SPINTA ATTIVA POSSIBILE = La minima spinta che puo' essere esercitata da questo gruppo di elementi terreno, in questa fase: unita' di misura kN/m

SPINTA PASSIVA POSSIBILE = La massima spinta che puo' essere esercitata da questo gruppo di elementi terreno, in questa fase: unita' di misura kN/m

RAPPORTO PASSIVA/VERA = e' il rapporto tra la massima spinta possibile e la spinta efficace vera: fornisce un'indicazione su quanta spinta passiva venga mobilitata;

SPINTA PASSIVA MOBILITATA = e' l'inverso del rapporto precedente, espresso in unita' percentuale: indica quanta parte della massima spinta possibile e' stata mobilitata;

RAPPORTO VERA/ATTIVA = e' il rapporto tra la spinta efficace vera e la minima spinta possibile: fornisce un'indicazione di quanto questa porzione di terreno sia prossima alla condizione di massimo rilascio.

FASE	1	GRUPPO -->	DHRi	UHRi
SPINTA EFFICACE VERA			8476.5	8615.1
SPINTA ACQUA			0.	0.
SPINTA TOTALE VERA			8476.5	8615.1
SPINTA ATTIVA (POSSIBILE)			1376.7	1455.3
SPINTA PASSIVA (POSSIBILE)			33223.	34194.
RAPPORTO PASSIVA/VERA			3.9194	3.9691
SPINTA PASSIVA MOBILITATA			26.%	25.%
RAPPORTO VERA/ATTIVA			6.1571	5.9197

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FASE	2	GRUPPO -->	DHRi	UHRi
		SPINTA EFFICACE VERA	5732.2	5619.6
		SPINTA ACQUA	3505.2	3774.9
		SPINTA TOTALE VERA	9237.4	9394.5
		SPINTA ATTIVA (POSSIBILE)	26.328	233.91
		SPINTA PASSIVA (POSSIBILE)	15209.	21665.
		RAPPORTO PASSIVA/VERA	2.6534	3.8553
		SPINTA PASSIVA MOBILITATA	38.%	26.%
		RAPPORTO VERA/ATTIVA	217.72	24.024

FASE	3	GRUPPO -->	DHRi	UHRi
		SPINTA EFFICACE VERA	5695.0	5708.7
		SPINTA ACQUA	3505.2	3774.9
		SPINTA TOTALE VERA	9200.2	9483.6
		SPINTA ATTIVA (POSSIBILE)	26.328	233.91
		SPINTA PASSIVA (POSSIBILE)	15209.	21665.
		RAPPORTO PASSIVA/VERA	2.6707	3.7951
		SPINTA PASSIVA MOBILITATA	37.%	26.%
		RAPPORTO VERA/ATTIVA	216.31	24.405

FASE	4	GRUPPO -->	DHRi	UHRi
		SPINTA EFFICACE VERA	5165.3	4755.4
		SPINTA ACQUA	2614.8	3405.3
		SPINTA TOTALE VERA	7780.1	8160.7
		SPINTA ATTIVA (POSSIBILE)	0.	331.74
		SPINTA PASSIVA (POSSIBILE)	10631.	22892.
		RAPPORTO PASSIVA/VERA	2.0581	4.8138
		SPINTA PASSIVA MOBILITATA	49.%	21.%
		RAPPORTO VERA/ATTIVA	0.10000E+06	14.335

FASE	5	GRUPPO -->	DHRi	UHRi
		SPINTA EFFICACE VERA	5099.7	4924.5
		SPINTA ACQUA	2614.8	3405.3
		SPINTA TOTALE VERA	7714.5	8329.8
		SPINTA ATTIVA (POSSIBILE)	0.	331.74
		SPINTA PASSIVA (POSSIBILE)	10631.	22892.
		RAPPORTO PASSIVA/VERA	2.0846	4.6485
		SPINTA PASSIVA MOBILITATA	48.%	22.%
		RAPPORTO VERA/ATTIVA	0.10000E+06	14.844

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FASE	6	GRUPPO -->	DHRi	UHRi
		SPINTA EFFICACE VERA	4469.6	4096.7
		SPINTA ACQUA	1884.7	3015.4
		SPINTA TOTALE VERA	6354.3	7112.2
		SPINTA ATTIVA (POSSIBILE)	0.	446.07
		SPINTA PASSIVA (POSSIBILE)	7350.0	24186.
		RAPPORTO PASSIVA/VERA	1.6444	5.9036
		SPINTA PASSIVA MOBILITATA	61.%	17.%
		RAPPORTO VERA/ATTIVA	0.10000E+06	9.1841

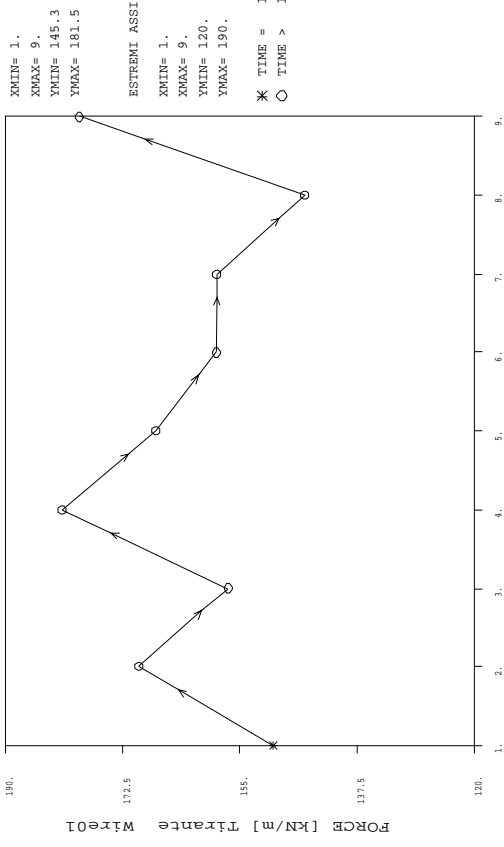
FASE	7	GRUPPO -->	DHRi	UHRi
		SPINTA EFFICACE VERA	4404.5	4259.3
		SPINTA ACQUA	1884.7	3015.4
		SPINTA TOTALE VERA	6289.2	7274.7
		SPINTA ATTIVA (POSSIBILE)	0.	446.07
		SPINTA PASSIVA (POSSIBILE)	7350.0	24186.
		RAPPORTO PASSIVA/VERA	1.6688	5.6784
		SPINTA PASSIVA MOBILITATA	60.%	18.%
		RAPPORTO VERA/ATTIVA	0.10000E+06	9.5485

FASE	8	GRUPPO -->	DHRi	UHRi
		SPINTA EFFICACE VERA	4052.3	3890.8
		SPINTA ACQUA	1546.5	2793.6
		SPINTA TOTALE VERA	5598.8	6684.4
		SPINTA ATTIVA (POSSIBILE)	0.	515.17
		SPINTA PASSIVA (POSSIBILE)	6008.7	24922.
		RAPPORTO PASSIVA/VERA	1.4828	6.4053
		SPINTA PASSIVA MOBILITATA	67.%	16.%
		RAPPORTO VERA/ATTIVA	0.10000E+06	7.5525

FASE	9	GRUPPO -->	DHRi	UHRi
		SPINTA EFFICACE VERA	4194.1	4232.4
		SPINTA ACQUA	1662.5	2873.5
		SPINTA TOTALE VERA	5856.6	7105.9
		SPINTA ATTIVA (POSSIBILE)	0.	662.88
		SPINTA PASSIVA (POSSIBILE)	6472.6	26947.
		RAPPORTO PASSIVA/VERA	1.5433	6.3668
		SPINTA PASSIVA MOBILITATA	65.%	16.%
		RAPPORTO VERA/ATTIVA	0.10000E+06	6.3849

OUTPUT PLOTS:

Tirante Wire01	
STEP	FORCE [KN/m]
1.	150.
2.	170.1
3.	156.7
4.	181.5
5.	167.5
6.	158.5
7.	158.4
8.	145.3
9.	179.0



STEP

DAL PASSO 1 AL PASSO 9
 DIAGRAMMA VARIABILE X / VARIABILE Y

HERSCY 0 - RINFORZO

FILE: C:\Users\ADMINISTRATORE\Documents\cassa11_11\Bella_Bualla_Bonned_Lato_Boccante_ALMUR1_Hidra_HERCU

Force units= KN
 Length units= M

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Table: Combination Definitions, Part 1 of 3

Table: Combination Definitions, Part 1 of 3						
ComboName	ComboType	AutoDesign	CaseType	CaseName	ScaleFactor	SteelDesign
USL1	Linear Add	No	Linear Static	EARTH	1,350000	None
USL1			Linear Static	EARTH_PRESSURE DX	1,350000	
USL1			Linear Static	EARTH_PRESSURE SX	1,350000	
USL1			Linear Static	HYDROSTATIC	1,350000	
USL1			Linear Static	DEAD	1,350000	
USL1			Linear Static	VARIABLE TRAFFIC LOADS	1,500000	
USL1			Linear Static	TRAFFIC PAVEMENT	1,350000	
USL1			Linear Static	VARIABLE TRAFFIC LOADS2	1,500000	
ULS2	Linear Add	No	Linear Static	VARIABLE TRAFFIC LOADS2	1,500000	None
ULS2			Linear Static	EARTH	1,350000	
ULS2			Linear Static	EARTH_PRESSURE DX	1,350000	
ULS2			Linear Static	EARTH_PRESSURE SX	1,350000	
ULS2			Linear Static	VARIABLE TRAFFIC LOADS	1,500000	
ULS2			Linear Static	TRAFFIC PAVEMENT	1,350000	
ULS2			Linear Static	DEAD	1,350000	
ENVELOPE_ULS	Envelope	No	Response Combo	ULS2	1,000000	None
ENVELOPE_ULS			Response Combo	USL1	1,000000	
SLS	Linear Add	No	Linear Static	DEAD	1,000000	None
SLS			Linear Static	EARTH	1,000000	
SLS			Linear Static	EARTH_PRESSURE DX	1,000000	
SLS			Linear Static	EARTH_PRESSURE SX	1,000000	
SLS			Linear Static	HYDROSTATIC	1,000000	
SLS			Linear Static	TRAFFIC PAVEMENT	1,000000	
SLS			Linear Static	VARIABLE TRAFFIC LOADS	1,000000	
SLS			Linear Static	VARIABLE TRAFFIC LOADS2	1,000000	

Table: Combination Definitions, Part 2 of 3

Table: Combination Definitions, Part 2 of 3				
ComboName	CaseName	ConcDesign	AlumDesign	ColdDesign
USL1	EARTH	None	None	None
USL1	EARTH_PRESSURE DX			
USL1	EARTH_PRESSURE SX			
USL1	HYDROSTATIC			
USL1	DEAD			
USL1	VARIABLE TRAFFIC LOADS			
USL1	TRAFFIC PAVEMENT			

Table: Combination Definitions, Part 2 of 3

ComboName	CaseName	ConcDesign	AlumDesign	ColdDesign
USL1	VARIABLE TRAFFIC LOADS2			
ULS2	VARIABLE TRAFFIC LOADS2	None	None	None
ULS2	EARTH			
ULS2	EARTH_PRESSURE DX			
ULS2	EARTH_PRESSURE SX			
ULS2	VARIABLE TRAFFIC LOADS			
ULS2	TRAFFIC PAVEMENT			
ULS2	DEAD			
ENVELOPE_ULS	ULS2	None	None	None
ENVELOPE_ULS	USL1			
SLS	DEAD	None	None	None
SLS	EARTH			
SLS	EARTH_PRESSURE DX			
SLS	EARTH_PRESSURE SX			
SLS	HYDROSTATIC			
SLS	TRAFFIC PAVEMENT			
SLS	VARIABLE TRAFFIC LOADS			
SLS	VARIABLE TRAFFIC LOADS2			

Table: Combination Definitions, Part 3 of 3

Table: Combination Definitions, Part 3 of 3

ComboName	CaseName	GUID	Notes
USL1	EARTH		
USL1	EARTH_PRESSURE DX		
USL1	EARTH_PRESSURE SX		
USL1	HYDROSTATIC		
USL1	DEAD		
USL1	VARIABLE TRAFFIC LOADS		
USL1	TRAFFIC PAVEMENT		
USL1	VARIABLE TRAFFIC LOADS2		
ULS2	VARIABLE TRAFFIC LOADS2		
ULS2	EARTH		
ULS2	EARTH_PRESSURE DX		
ULS2	EARTH_PRESSURE SX		
ULS2	VARIABLE TRAFFIC LOADS		
ULS2	TRAFFIC PAVEMENT		
ULS2	DEAD		
ENVELOPE_ULS	ULS2		
ENVELOPE_ULS	USL1		

Table: Combination Definitions, Part 3 of 3

ComboName	CaseName	GUID	Notes
SLS	DEAD		
SLS	EARTH		
SLS	EARTH_PRESSURE DX		
SLS	EARTH_PRESSURE SX		
SLS	HYDROSTATIC		
SLS	TRAFFIC PAVEMENT		
SLS	VARIABLE TRAFFIC LOADS		
SLS	VARIABLE TRAFFIC LOADS2		

Table: Element Forces - Frames, Part 1 of 2

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
1	0,00000	USL1	Combination		-2052,699	242,290	-1,148E-13	-2,150E-13
1	0,23812	USL1	Combination		-2064,818	295,499	-1,148E-13	-2,150E-13
1	0,47625	USL1	Combination		-2076,938	350,081	-1,148E-13	-2,150E-13
1	0,00000	ULS2	Combination		-1917,354	165,379	2,953E-16	-1,529E-15
1	0,23812	ULS2	Combination		-1929,474	197,736	2,953E-16	-1,529E-15
1	0,47625	ULS2	Combination		-1941,594	230,784	2,953E-16	-1,529E-15
1	0,00000	ENVELOPE_ ULS	Combination	Max	-1917,354	242,290	2,953E-16	-1,529E-15
1	0,23812	ENVELOPE_ ULS	Combination	Max	-1929,474	295,499	2,953E-16	-1,529E-15
1	0,47625	ENVELOPE_ ULS	Combination	Max	-1941,594	350,081	2,953E-16	-1,529E-15
1	0,00000	ENVELOPE_ ULS	Combination	Min	-2052,699	165,379	-1,148E-13	-2,150E-13
1	0,23812	ENVELOPE_ ULS	Combination	Min	-2064,818	197,736	-1,148E-13	-2,150E-13
1	0,47625	ENVELOPE_ ULS	Combination	Min	-2076,938	230,784	-1,148E-13	-2,150E-13
1	0,00000	SLS	Combination		-1480,871	180,841	-8,505E-14	-1,592E-13
1	0,23812	SLS	Combination		-1489,849	219,941	-8,505E-14	-1,592E-13
1	0,47625	SLS	Combination		-1498,826	260,058	-8,505E-14	-1,592E-13
2	0,00000	USL1	Combination		-1705,333	-1012,712	-1,889E-14	-3,348E-14
2	0,57862	USL1	Combination		-1622,602	-827,782	-1,889E-14	-3,348E-14
2	1,15723	USL1	Combination		-1537,855	-647,680	-1,889E-14	-3,348E-14
2	0,00000	ULS2	Combination		-1547,417	-978,463	2,953E-16	2,487E-15
2	0,57862	ULS2	Combination		-1464,686	-821,966	2,953E-16	2,487E-15
2	1,15723	ULS2	Combination		-1379,938	-667,486	2,953E-16	2,487E-15
2	0,00000	ENVELOPE_ ULS	Combination	Max	-1547,417	-978,463	2,953E-16	2,487E-15
2	0,57862	ENVELOPE_ ULS	Combination	Max	-1464,686	-821,966	2,953E-16	2,487E-15
2	1,15723	ENVELOPE_ ULS	Combination	Max	-1379,938	-647,680	2,953E-16	2,487E-15
2	0,00000	ENVELOPE_ ULS	Combination	Min	-1705,333	-1012,712	-1,889E-14	-3,348E-14
2	0,57862	ENVELOPE_ ULS	Combination	Min	-1622,602	-827,782	-1,889E-14	-3,348E-14
2	1,15723	ENVELOPE_ ULS	Combination	Min	-1537,855	-667,486	-1,889E-14	-3,348E-14
2	0,00000	SLS	Combination		-1225,964	-731,674	-1,400E-14	-2,489E-14
2	0,57862	SLS	Combination		-1164,550	-595,638	-1,400E-14	-2,489E-14
2	1,15723	SLS	Combination		-1101,644	-463,178	-1,400E-14	-2,489E-14

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
3	0,00000	USL1	Combination		-1537,855	-647,680	2,953E-16	-3,468E-14
3	0,51232	USL1	Combination		-1471,767	-502,883	2,953E-16	-3,468E-14
3	1,02464	USL1	Combination		-1404,115	-361,898	2,953E-16	-3,468E-14
3	0,00000	ULS2	Combination		-1379,938	-667,486	2,953E-16	2,487E-15
3	0,51232	ULS2	Combination		-1313,851	-543,005	2,953E-16	2,487E-15
3	1,02464	ULS2	Combination		-1246,199	-420,089	2,953E-16	2,487E-15
3	0,00000	ENVELOPE_ ULS	Combination	Max	-1379,938	-647,680	2,953E-16	2,487E-15
3	0,51232	ENVELOPE_ ULS	Combination	Max	-1313,851	-502,883	2,953E-16	2,487E-15
3	1,02464	ENVELOPE_ ULS	Combination	Max	-1246,199	-361,898	2,953E-16	2,487E-15
3	0,00000	ENVELOPE_ ULS	Combination	Min	-1537,855	-667,486	2,953E-16	-3,468E-14
3	0,51232	ENVELOPE_ ULS	Combination	Min	-1471,767	-543,005	2,953E-16	-3,468E-14
3	1,02464	ENVELOPE_ ULS	Combination	Min	-1404,115	-420,089	2,953E-16	-3,468E-14
3	0,00000	SLS	Combination		-1101,644	-463,178	2,111E-16	-2,578E-14
3	0,51232	SLS	Combination		-1052,574	-356,761	2,111E-16	-2,578E-14
3	1,02464	SLS	Combination		-1002,345	-253,169	2,111E-16	-2,578E-14
4	0,00000	USL1	Combination		-1385,432	-427,885	-3,807E-14	-2,850E-14
4	0,49473	USL1	Combination		-1337,286	-306,572	-3,807E-14	-2,850E-14
4	0,98945	USL1	Combination		-1287,657	-188,578	-3,807E-14	-2,850E-14
4	0,00000	ULS2	Combination		-1224,941	-478,544	2,953E-16	2,671E-15
4	0,49473	ULS2	Combination		-1176,795	-372,609	2,953E-16	2,671E-15
4	0,98945	ULS2	Combination		-1127,166	-268,023	2,953E-16	2,671E-15
4	0,00000	ENVELOPE_ ULS	Combination	Max	-1224,941	-427,885	2,953E-16	2,671E-15
4	0,49473	ENVELOPE_ ULS	Combination	Max	-1176,795	-306,572	2,953E-16	2,671E-15
4	0,98945	ENVELOPE_ ULS	Combination	Max	-1127,166	-188,578	2,953E-16	2,671E-15
4	0,00000	ENVELOPE_ ULS	Combination	Min	-1385,432	-478,544	-3,807E-14	-2,850E-14
4	0,49473	ENVELOPE_ ULS	Combination	Min	-1337,286	-372,609	-3,807E-14	-2,850E-14
4	0,98945	ENVELOPE_ ULS	Combination	Min	-1287,657	-268,023	-3,807E-14	-2,850E-14
4	0,00000	SLS	Combination		-989,253	-300,280	-2,821E-14	-2,121E-14
4	0,49473	SLS	Combination		-953,439	-211,224	-2,821E-14	-2,121E-14
4	0,98945	SLS	Combination		-916,526	-124,627	-2,821E-14	-2,121E-14
5	0,00000	USL1	Combination		-1224,869	-439,680	2,953E-16	-8,076E-15
5	0,49402	USL1	Combination		-1204,646	-332,163	2,953E-16	-8,076E-15
5	0,98804	USL1	Combination		-1183,106	-226,967	2,953E-16	-8,076E-15
5	0,00000	ULS2	Combination		-1051,829	-485,792	2,953E-16	3,315E-15
5	0,49402	ULS2	Combination		-1031,607	-389,912	2,953E-16	3,315E-15
5	0,98804	ULS2	Combination		-1010,067	-294,821	2,953E-16	3,315E-15
5	0,00000	ENVELOPE_ ULS	Combination	Max	-1051,829	-439,680	2,953E-16	3,315E-15
5	0,49402	ENVELOPE_ ULS	Combination	Max	-1031,607	-332,163	2,953E-16	3,315E-15
5	0,98804	ENVELOPE_ ULS	Combination	Max	-1010,067	-226,967	2,953E-16	3,315E-15
5	0,00000	ENVELOPE_ ULS	Combination	Min	-1224,869	-485,792	2,953E-16	-8,076E-15
5	0,49402	ENVELOPE_ ULS	Combination	Min	-1204,646	-389,912	2,953E-16	-8,076E-15
5	0,98804	ENVELOPE_ ULS	Combination	Min	-1183,106	-294,821	2,953E-16	-8,076E-15
5	0,00000	SLS	Combination		-873,735	-303,545	2,111E-16	-6,097E-15
5	0,49402	SLS	Combination		-858,449	-224,662	2,111E-16	-6,097E-15

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
5	0,98804	SLS	Combination		-842,188	-147,498	2,111E-16	-6,097E-15
6	0,00000	USL1	Combination		-1109,536	-469,239	-1,889E-14	1,394E-15
6	0,49382	USL1	Combination		-1110,889	-374,324	-1,889E-14	1,394E-15
6	0,98763	USL1	Combination		-1111,296	-280,698	-1,889E-14	1,394E-15
6	0,00000	ULS2	Combination		-926,136	-499,427	2,953E-16	3,792E-15
6	0,49382	ULS2	Combination		-927,490	-413,361	2,953E-16	3,792E-15
6	0,98763	ULS2	Combination		-927,897	-327,619	2,953E-16	3,792E-15
6	0,00000	ENVELOPE_ ULS	Combination	Max	-926,136	-469,239	2,953E-16	3,792E-15
6	0,49382	ENVELOPE_ ULS	Combination	Max	-927,490	-374,324	2,953E-16	3,792E-15
6	0,98763	ENVELOPE_ ULS	Combination	Max	-927,897	-280,698	2,953E-16	3,792E-15
6	0,00000	ENVELOPE_ ULS	Combination	Min	-1109,536	-499,427	-1,889E-14	1,394E-15
6	0,49382	ENVELOPE_ ULS	Combination	Min	-1110,889	-413,361	-1,889E-14	1,394E-15
6	0,98763	ENVELOPE_ ULS	Combination	Min	-1111,296	-327,619	-1,889E-14	1,394E-15
6	0,00000	SLS	Combination		-792,757	-320,268	-1,400E-14	9,012E-16
6	0,49382	SLS	Combination		-793,302	-250,639	-1,400E-14	9,012E-16
6	0,98763	SLS	Combination		-793,146	-181,964	-1,400E-14	9,012E-16
7	0,00000	USL1	Combination		-974,826	-65,956	-3,807E-14	2,443E-14
7	0,52308	USL1	Combination		-995,030	21,582	-3,807E-14	2,443E-14
7	1,04617	USL1	Combination		-1014,848	108,688	-3,807E-14	2,443E-14
7	0,00000	ULS2	Combination		-785,627	-72,330	2,953E-16	4,046E-15
7	0,52308	ULS2	Combination		-805,831	7,564	2,953E-16	4,046E-15
7	1,04617	ULS2	Combination		-825,649	87,414	2,953E-16	4,046E-15
7	0,00000	ENVELOPE_ ULS	Combination	Max	-785,627	-65,956	2,953E-16	2,443E-14
7	0,52308	ENVELOPE_ ULS	Combination	Max	-805,831	21,582	2,953E-16	2,443E-14
7	1,04617	ENVELOPE_ ULS	Combination	Max	-825,649	108,688	2,953E-16	2,443E-14
7	0,00000	ENVELOPE_ ULS	Combination	Min	-974,826	-72,330	-3,807E-14	4,046E-15
7	0,52308	ENVELOPE_ ULS	Combination	Min	-995,030	7,564	-3,807E-14	4,046E-15
7	1,04617	ENVELOPE_ ULS	Combination	Min	-1014,848	87,414	-3,807E-14	4,046E-15
7	0,00000	SLS	Combination		-702,054	-50,168	-2,821E-14	1,796E-14
7	0,52308	SLS	Combination		-716,392	14,078	-2,821E-14	1,796E-14
7	1,04617	SLS	Combination		-730,444	78,004	-2,821E-14	1,796E-14
8	0,00000	USL1	Combination		-1013,271	-122,523	1,948E-14	5,380E-14
8	0,54165	USL1	Combination		-989,243	-31,800	1,948E-14	5,380E-14
8	1,08329	USL1	Combination		-964,816	59,371	1,948E-14	5,380E-14
8	0,00000	ULS2	Combination		-824,139	-100,667	2,953E-16	4,039E-15
8	0,54165	ULS2	Combination		-800,111	-17,457	2,953E-16	4,039E-15
8	1,08329	ULS2	Combination		-775,684	65,799	2,953E-16	4,039E-15
8	0,00000	ENVELOPE_ ULS	Combination	Max	-824,139	-100,667	1,948E-14	5,380E-14
8	0,54165	ENVELOPE_ ULS	Combination	Max	-800,111	-17,457	1,948E-14	5,380E-14
8	1,08329	ENVELOPE_ ULS	Combination	Max	-775,684	65,799	1,948E-14	5,380E-14
8	0,00000	ENVELOPE_ ULS	Combination	Min	-1013,271	-122,523	2,953E-16	4,039E-15
8	0,54165	ENVELOPE_ ULS	Combination	Min	-989,243	-31,800	2,953E-16	4,039E-15
8	1,08329	ENVELOPE_ ULS	Combination	Min	-964,816	59,371	2,953E-16	4,039E-15
8	0,00000	SLS	Combination		-729,258	-88,406	1,442E-14	3,971E-14

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
8	0,54165	SLS	Combination		-712,107	-21,824	1,442E-14	3,971E-14
8	1,08329	SLS	Combination		-694,661	45,090	1,442E-14	3,971E-14
9	0,00000	USL1	Combination		-1102,809	271,765	3,866E-14	7,750E-14
9	0,49252	USL1	Combination		-1099,745	366,303	3,866E-14	7,750E-14
9	0,98504	USL1	Combination		-1095,739	462,135	3,866E-14	7,750E-14
9	0,00000	ULS2	Combination		-919,661	319,401	2,953E-16	3,763E-15
9	0,49252	ULS2	Combination		-916,597	406,077	2,953E-16	3,763E-15
9	0,98504	ULS2	Combination		-912,591	493,082	2,953E-16	3,763E-15
9	0,00000	ENVELOPE_ ULS	Combination	Max	-919,661	319,401	3,866E-14	7,750E-14
9	0,49252	ENVELOPE_ ULS	Combination	Max	-916,597	406,077	3,866E-14	7,750E-14
9	0,98504	ENVELOPE_ ULS	Combination	Max	-912,591	493,082	3,866E-14	7,750E-14
9	0,00000	ENVELOPE_ ULS	Combination	Min	-1102,809	271,765	2,953E-16	3,763E-15
9	0,49252	ENVELOPE_ ULS	Combination	Min	-1099,745	366,303	2,953E-16	3,763E-15
9	0,98504	ENVELOPE_ ULS	Combination	Min	-1095,739	462,135	2,953E-16	3,763E-15
9	0,00000	SLS	Combination		-786,615	175,300	2,863E-14	5,728E-14
9	0,49252	SLS	Combination		-784,797	244,649	2,863E-14	5,728E-14
9	0,98504	SLS	Combination		-782,281	314,956	2,863E-14	5,728E-14
10	0,00000	USL1	Combination		-1167,970	223,739	3,866E-14	9,200E-14
10	0,49197	USL1	Combination		-1187,081	330,167	3,866E-14	9,200E-14
10	0,98394	USL1	Combination		-1204,886	438,916	3,866E-14	9,200E-14
10	0,00000	ULS2	Combination		-995,286	292,159	2,953E-16	3,271E-15
10	0,49197	ULS2	Combination		-1014,397	388,526	2,953E-16	3,271E-15
10	0,98394	ULS2	Combination		-1032,203	485,685	2,953E-16	3,271E-15
10	0,00000	ENVELOPE_ ULS	Combination	Max	-995,286	292,159	3,866E-14	9,200E-14
10	0,49197	ENVELOPE_ ULS	Combination	Max	-1014,397	388,526	3,866E-14	9,200E-14
10	0,98394	ENVELOPE_ ULS	Combination	Max	-1032,203	485,685	3,866E-14	9,200E-14
10	0,00000	ENVELOPE_ ULS	Combination	Min	-1167,970	223,739	2,953E-16	3,271E-15
10	0,49197	ENVELOPE_ ULS	Combination	Min	-1187,081	330,167	2,953E-16	3,271E-15
10	0,98394	ENVELOPE_ ULS	Combination	Min	-1204,886	438,916	2,953E-16	3,271E-15
10	0,00000	SLS	Combination		-830,729	145,087	2,863E-14	6,803E-14
10	0,49197	SLS	Combination		-845,185	223,165	2,863E-14	6,803E-14
10	0,98394	SLS	Combination		-858,674	302,962	2,863E-14	6,803E-14
11	0,00000	USL1	Combination		-1267,352	195,494	1,538E-13	1,069E-13
11	0,49208	USL1	Combination		-1314,549	315,027	1,538E-13	1,069E-13
11	0,98416	USL1	Combination		-1360,277	437,867	1,538E-13	1,069E-13
11	0,00000	ULS2	Combination		-1107,106	275,044	2,953E-16	2,624E-15
11	0,49208	ULS2	Combination		-1154,303	381,241	2,953E-16	2,624E-15
11	0,98416	ULS2	Combination		-1200,031	488,786	2,953E-16	2,624E-15
11	0,00000	ENVELOPE_ ULS	Combination	Max	-1107,106	275,044	1,538E-13	1,069E-13
11	0,49208	ENVELOPE_ ULS	Combination	Max	-1154,303	381,241	1,538E-13	1,069E-13
11	0,98416	ENVELOPE_ ULS	Combination	Max	-1200,031	488,786	1,538E-13	1,069E-13
11	0,00000	ENVELOPE_ ULS	Combination	Min	-1267,352	195,494	2,953E-16	2,624E-15
11	0,49208	ENVELOPE_ ULS	Combination	Min	-1314,549	315,027	2,953E-16	2,624E-15
11	0,98416	ENVELOPE_ ULS	Combination	Min	-1360,277	437,867	2,953E-16	2,624E-15

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
11	0,00000	SLS	Combination		-901,272	129,673	1,139E-13	7,912E-14
11	0,49208	SLS	Combination		-936,379	217,415	1,139E-13	7,912E-14
11	0,98416	SLS	Combination		-970,398	307,606	1,139E-13	7,912E-14
12	0,00000	USL1	Combination		-1377,945	378,616	7,703E-14	1,056E-13
12	0,50938	USL1	Combination		-1442,642	521,359	7,703E-14	1,056E-13
12	1,01876	USL1	Combination		-1505,783	667,894	7,703E-14	1,056E-13
12	0,00000	ULS2	Combination		-1220,051	436,418	2,953E-16	2,454E-15
12	0,50938	ULS2	Combination		-1284,748	561,196	2,953E-16	2,454E-15
12	1,01876	ULS2	Combination		-1347,889	687,531	2,953E-16	2,454E-15
12	0,00000	ENVELOPE_ ULS	Combination	Max	-1220,051	436,418	7,703E-14	1,056E-13
12	0,50938	ENVELOPE_ ULS	Combination	Max	-1284,748	561,196	7,703E-14	1,056E-13
12	1,01876	ENVELOPE_ ULS	Combination	Max	-1347,889	687,531	7,703E-14	1,056E-13
12	0,00000	ENVELOPE_ ULS	Combination	Min	-1377,945	378,616	2,953E-16	2,454E-15
12	0,50938	ENVELOPE_ ULS	Combination	Min	-1442,642	521,359	2,953E-16	2,454E-15
12	1,01876	ENVELOPE_ ULS	Combination	Min	-1505,783	667,894	2,953E-16	2,454E-15
12	0,00000	SLS	Combination		-982,796	265,341	5,705E-14	7,811E-14
12	0,50938	SLS	Combination		-1030,835	370,242	5,705E-14	7,811E-14
12	1,01876	SLS	Combination		-1077,721	477,950	5,705E-14	7,811E-14
13	0,00000	USL1	Combination		-1505,783	667,894	1,538E-13	9,838E-14
13	0,56894	USL1	Combination		-1586,245	847,850	1,538E-13	9,838E-14
13	1,13787	USL1	Combination		-1664,724	1032,554	1,538E-13	9,838E-14
13	0,00000	ULS2	Combination		-1347,889	687,531	2,953E-16	2,454E-15
13	0,56894	ULS2	Combination		-1428,351	842,295	2,953E-16	2,454E-15
13	1,13787	ULS2	Combination		-1506,831	999,041	2,953E-16	2,454E-15
13	0,00000	ENVELOPE_ ULS	Combination	Max	-1347,889	687,531	1,538E-13	9,838E-14
13	0,56894	ENVELOPE_ ULS	Combination	Max	-1428,351	847,850	1,538E-13	9,838E-14
13	1,13787	ENVELOPE_ ULS	Combination	Max	-1506,831	1032,554	1,538E-13	9,838E-14
13	0,00000	ENVELOPE_ ULS	Combination	Min	-1505,783	667,894	2,953E-16	2,454E-15
13	0,56894	ENVELOPE_ ULS	Combination	Min	-1586,245	842,295	2,953E-16	2,454E-15
13	1,13787	ENVELOPE_ ULS	Combination	Min	-1664,724	999,041	2,953E-16	2,454E-15
13	0,00000	SLS	Combination		-1077,721	477,950	1,139E-13	7,278E-14
13	0,56894	SLS	Combination		-1137,452	610,318	1,139E-13	7,278E-14
13	1,13787	SLS	Combination		-1195,713	746,202	1,139E-13	7,278E-14
17	0,00000	USL1	Combination		316,129	-265,803	-7,632E-14	3,941E-14
17	0,38282	USL1	Combination		316,129	-233,787	-7,751E-14	3,941E-14
17	0,00000	ULS2	Combination		450,518	-178,426	-2,836E-14	-6,152E-15
17	0,38282	ULS2	Combination		450,518	-188,168	-2,955E-14	-6,152E-15
17	0,00000	ENVELOPE_ ULS	Combination	Max	450,518	-178,426	-2,836E-14	3,941E-14
17	0,38282	ENVELOPE_ ULS	Combination	Max	450,518	-188,168	-2,955E-14	3,941E-14
17	0,00000	ENVELOPE_ ULS	Combination	Min	316,129	-265,803	-7,632E-14	-6,152E-15
17	0,38282	ENVELOPE_ ULS	Combination	Min	316,129	-233,787	-7,751E-14	-6,152E-15
17	0,00000	SLS	Combination		219,958	-195,570	-5,622E-14	2,938E-14
17	0,38282	SLS	Combination		219,958	-171,855	-5,710E-14	2,938E-14
26	0,00000	USL1	Combination		-376,151	-719,889	-6,406E-14	-6,046E-14
26	0,23812	USL1	Combination		-382,211	-663,932	-6,406E-14	-6,046E-14
26	0,47625	USL1	Combination		-388,270	-606,601	-6,406E-14	-6,046E-14

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
26	0,00000	ULS2	Combination		-326,849	-722,266	-6,504E-15	1,028E-14
26	0,23812	ULS2	Combination		-332,908	-688,526	-6,504E-15	1,028E-14
26	0,47625	ULS2	Combination		-338,968	-654,096	-6,504E-15	1,028E-14
26	0,00000	ENVELOPE_ ULS	Combination	Max	-326,849	-719,889	-6,504E-15	1,028E-14
26	0,23812	ENVELOPE_ ULS	Combination	Max	-332,908	-663,932	-6,504E-15	1,028E-14
26	0,47625	ENVELOPE_ ULS	Combination	Max	-338,968	-606,601	-6,504E-15	1,028E-14
26	0,00000	ENVELOPE_ ULS	Combination	Min	-376,151	-722,266	-6,406E-14	-6,046E-14
26	0,23812	ENVELOPE_ ULS	Combination	Min	-382,211	-688,526	-6,406E-14	-6,046E-14
26	0,47625	ENVELOPE_ ULS	Combination	Min	-388,270	-654,096	-6,406E-14	-6,046E-14
26	0,00000	SLS	Combination		-273,845	-514,882	-4,730E-14	-4,506E-14
26	0,23812	SLS	Combination		-278,334	-473,747	-4,730E-14	-4,506E-14
26	0,47625	SLS	Combination		-282,823	-431,594	-4,730E-14	-4,506E-14
33	0,00000	USL1	Combination		316,129	-88,608	-7,118E-15	4,181E-14
33	0,38282	USL1	Combination		316,129	-56,592	-8,311E-15	4,181E-14
33	0,00000	ULS2	Combination		450,518	-5,007	-7,118E-15	-6,152E-15
33	0,38282	ULS2	Combination		450,518	-14,749	-8,311E-15	-6,152E-15
33	0,00000	ENVELOPE_ ULS	Combination	Max	450,518	-5,007	-7,118E-15	4,181E-14
33	0,38282	ENVELOPE_ ULS	Combination	Max	450,518	-14,749	-8,311E-15	4,181E-14
33	0,00000	ENVELOPE_ ULS	Combination	Min	316,129	-88,608	-7,118E-15	-6,152E-15
33	0,38282	ENVELOPE_ ULS	Combination	Min	316,129	-56,592	-8,311E-15	-6,152E-15
33	0,00000	SLS	Combination		219,958	-67,728	-5,374E-15	3,116E-14
33	0,38282	SLS	Combination		219,958	-44,013	-6,258E-15	3,116E-14
37	0,00000	USL1	Combination		-418,850	600,026	7,631E-14	-9,677E-15
37	0,23812	USL1	Combination		-412,791	655,660	8,032E-14	-9,677E-15
37	0,47625	USL1	Combination		-406,731	709,919	8,424E-14	-9,677E-15
37	0,00000	ULS2	Combination		-368,542	648,247	7,631E-14	5,311E-15
37	0,23812	ULS2	Combination		-362,482	680,980	8,032E-14	5,311E-15
37	0,47625	ULS2	Combination		-356,422	713,022	8,424E-14	5,311E-15
37	0,00000	ENVELOPE_ ULS	Combination	Max	-368,542	648,247	7,631E-14	5,311E-15
37	0,23812	ENVELOPE_ ULS	Combination	Max	-362,482	680,980	8,032E-14	5,311E-15
37	0,47625	ENVELOPE_ ULS	Combination	Max	-356,422	713,022	8,424E-14	5,311E-15
37	0,00000	ENVELOPE_ ULS	Combination	Min	-418,850	600,026	7,631E-14	-9,677E-15
37	0,23812	ENVELOPE_ ULS	Combination	Min	-412,791	655,660	8,032E-14	-9,677E-15
37	0,47625	ENVELOPE_ ULS	Combination	Min	-406,731	709,919	8,424E-14	-9,677E-15
37	0,00000	SLS	Combination		-305,118	426,723	5,444E-14	-7,303E-15
37	0,23812	SLS	Combination		-300,629	467,619	5,737E-14	-7,303E-15
37	0,47625	SLS	Combination		-296,140	507,497	6,024E-14	-7,303E-15
38	0,00000	USL1	Combination		-2091,623	-366,004	-6,835E-14	-4,225E-14
38	0,23812	USL1	Combination		-2079,503	-313,119	-6,451E-14	-4,225E-14
38	0,47625	USL1	Combination		-2067,384	-261,608	-6,075E-14	-4,225E-14
38	0,00000	ULS2	Combination		-1955,742	-247,205	-2,998E-14	-1,481E-15
38	0,23812	ULS2	Combination		-1943,622	-215,854	-2,614E-14	-1,481E-15
38	0,47625	ULS2	Combination		-1931,502	-185,194	-2,238E-14	-1,481E-15
38	0,00000	ENVELOPE_ ULS	Combination	Max	-1955,742	-247,205	-2,998E-14	-1,481E-15

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
38	0,23812	ENVELOPE_	Combination	Max	-1943,622	-215,854	-2,614E-14	-1,481E-15
		ULS						
38	0,47625	ENVELOPE_	Combination	Max	-1931,502	-185,194	-2,238E-14	-1,481E-15
		ULS						
38	0,00000	ENVELOPE_	Combination	Min	-2091,623	-366,004	-6,835E-14	-4,225E-14
		ULS						
38	0,23812	ENVELOPE_	Combination	Min	-2079,503	-313,119	-6,451E-14	-4,225E-14
		ULS						
38	0,47625	ENVELOPE_	Combination	Min	-2067,384	-261,608	-6,075E-14	-4,225E-14
		ULS						
38	0,00000	SLS	Combination		-1509,944	-271,866	-5,073E-14	-3,125E-14
38	0,23812	SLS	Combination		-1500,966	-233,006	-4,792E-14	-3,125E-14
38	0,47625	SLS	Combination		-1491,989	-195,164	-4,518E-14	-3,125E-14
39	0,00000	USL1	Combination		-1995,611	515,313	5,852E-14	6,710E-15
39	1,04715	USL1	Combination		-1977,432	495,829	5,613E-14	6,710E-15
39	2,09431	USL1	Combination		-1959,253	476,345	5,375E-14	6,710E-15
39	0,00000	ULS2	Combination		-1855,911	528,623	6,811E-14	-5,580E-15
39	1,04715	ULS2	Combination		-1837,732	509,139	6,572E-14	-5,580E-15
39	2,09431	ULS2	Combination		-1819,552	489,655	6,334E-14	-5,580E-15
39	0,00000	ENVELOPE_	Combination	Max	-1855,911	528,623	6,811E-14	6,710E-15
		ULS						
39	1,04715	ENVELOPE_	Combination	Max	-1837,732	509,139	6,572E-14	6,710E-15
		ULS						
39	2,09431	ENVELOPE_	Combination	Max	-1819,552	489,655	6,334E-14	6,710E-15
		ULS						
39	0,00000	ENVELOPE_	Combination	Min	-1995,611	515,313	5,852E-14	-5,580E-15
		ULS						
39	1,04715	ENVELOPE_	Combination	Min	-1977,432	495,829	5,613E-14	-5,580E-15
		ULS						
39	2,09431	ENVELOPE_	Combination	Min	-1959,253	476,345	5,375E-14	-5,580E-15
		ULS						
39	0,00000	SLS	Combination		-1441,206	369,395	4,174E-14	5,122E-15
39	1,04715	SLS	Combination		-1427,740	354,963	3,998E-14	5,122E-15
39	2,09431	SLS	Combination		-1414,274	340,530	3,821E-14	5,122E-15
40	0,00000	USL1	Combination		-2002,255	510,763	9,044E-14	-2,306E-14
40	1,03322	USL1	Combination		-1984,075	491,767	8,811E-14	-2,306E-14
40	2,06644	USL1	Combination		-1965,896	472,771	8,578E-14	-2,306E-14
40	0,00000	ULS2	Combination		-1861,590	526,284	7,125E-14	-1,329E-15
40	1,03322	ULS2	Combination		-1843,411	507,288	6,892E-14	-1,329E-15
40	2,06644	ULS2	Combination		-1825,232	488,291	6,660E-14	-1,329E-15
40	0,00000	ENVELOPE_	Combination	Max	-1861,590	526,284	9,044E-14	-1,329E-15
		ULS						
40	1,03322	ENVELOPE_	Combination	Max	-1843,411	507,288	8,811E-14	-1,329E-15
		ULS						
40	2,06644	ENVELOPE_	Combination	Max	-1825,232	488,291	8,578E-14	-1,329E-15
		ULS						
40	0,00000	ENVELOPE_	Combination	Min	-2002,255	510,763	7,125E-14	-2,306E-14
		ULS						
40	1,03322	ENVELOPE_	Combination	Min	-1984,075	491,767	6,892E-14	-2,306E-14
		ULS						
40	2,06644	ENVELOPE_	Combination	Min	-1965,896	472,771	6,660E-14	-2,306E-14
		ULS						
40	0,00000	SLS	Combination		-1445,554	366,071	6,532E-14	-1,703E-14
40	1,03322	SLS	Combination		-1432,088	352,000	6,360E-14	-1,703E-14
40	2,06644	SLS	Combination		-1418,621	337,929	6,188E-14	-1,703E-14
41	0,00000	USL1	Combination		316,129	87,071	-5,261E-15	3,701E-14
41	0,36365	USL1	Combination		316,129	117,483	-6,395E-15	3,701E-14
41	0,00000	ULS2	Combination		450,518	166,804	1,392E-14	-6,152E-15
41	0,36365	ULS2	Combination		450,518	157,550	1,279E-14	-6,152E-15
41	0,00000	ENVELOPE_	Combination	Max	450,518	166,804	1,392E-14	3,701E-14
		ULS						

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
41	0,36365	ENVELOPE_	Combination	Max	450,518	157,550	1,279E-14	3,701E-14
		ULS						
41	0,00000	ENVELOPE_	Combination	Min	316,129	87,071	-5,261E-15	-6,152E-15
		ULS						
41	0,36365	ENVELOPE_	Combination	Min	316,129	117,483	-6,395E-15	-6,152E-15
		ULS						
41	0,00000	SLS	Combination		219,958	59,040	-4,411E-15	2,760E-14
41	0,36365	SLS	Combination		219,958	81,568	-5,251E-15	2,760E-14
42	0,00000	USL1	Combination		316,129	259,731	1,805E-14	3,222E-14
42	0,36365	USL1	Combination		316,129	290,144	1,692E-14	3,222E-14
42	0,00000	ULS2	Combination		450,518	337,589	3,484E-14	-6,152E-15
42	0,36365	ULS2	Combination		450,518	328,335	3,371E-14	-6,152E-15
42	0,00000	ENVELOPE_	Combination	Max	450,518	337,589	3,484E-14	3,222E-14
		ULS						
42	0,36365	ENVELOPE_	Combination	Max	450,518	328,335	3,371E-14	3,222E-14
		ULS						
42	0,00000	ENVELOPE_	Combination	Min	316,129	259,731	1,805E-14	-6,152E-15
		ULS						
42	0,36365	ENVELOPE_	Combination	Min	316,129	290,144	1,692E-14	-6,152E-15
		ULS						
42	0,00000	SLS	Combination		219,958	183,621	1,245E-14	2,405E-14
42	0,36365	SLS	Combination		219,958	206,149	1,161E-14	2,405E-14
43	0,00000	USL1	Combination		-1451,577	-495,822	-5,310E-14	-3,914E-14
43	0,25031	USL1	Combination		-1483,495	-451,327	-5,103E-14	-3,914E-14
43	0,50061	USL1	Combination		-1515,791	-406,017	-4,891E-14	-3,914E-14
43	0,00000	ULS2	Combination		-1158,930	-533,951	-6,509E-14	-5,566E-15
43	0,25031	ULS2	Combination		-1190,848	-517,004	-6,302E-14	-5,566E-15
43	0,50061	ULS2	Combination		-1223,144	-499,732	-6,090E-14	-5,566E-15
43	0,00000	ENVELOPE_	Combination	Max	-1158,930	-495,822	-5,310E-14	-5,566E-15
		ULS						
43	0,25031	ENVELOPE_	Combination	Max	-1190,848	-451,327	-5,103E-14	-5,566E-15
		ULS						
43	0,50061	ENVELOPE_	Combination	Max	-1223,144	-406,017	-4,891E-14	-5,566E-15
		ULS						
43	0,00000	ENVELOPE_	Combination	Min	-1451,577	-533,951	-6,509E-14	-3,914E-14
		ULS						
43	0,25031	ENVELOPE_	Combination	Min	-1483,495	-517,004	-6,302E-14	-3,914E-14
		ULS						
43	0,50061	ENVELOPE_	Combination	Min	-1515,791	-499,732	-6,090E-14	-3,914E-14
		ULS						
43	0,00000	SLS	Combination		-1056,974	-352,883	-3,758E-14	-2,882E-14
43	0,25031	SLS	Combination		-1080,617	-319,924	-3,604E-14	-2,882E-14
43	0,50061	SLS	Combination		-1104,540	-286,361	-3,448E-14	-2,882E-14
44	0,00000	USL1	Combination		-1425,095	-300,552	-5,410E-14	-4,034E-14
44	0,25031	USL1	Combination		-1457,769	-254,426	-5,194E-14	-4,034E-14
44	0,50061	USL1	Combination		-1490,821	-207,486	-4,975E-14	-4,034E-14
44	0,00000	ULS2	Combination		-1107,998	-365,836	-4,451E-14	-5,566E-15
44	0,25031	ULS2	Combination		-1140,672	-348,239	-4,235E-14	-5,566E-15
44	0,50061	ULS2	Combination		-1173,724	-330,317	-4,016E-14	-5,566E-15
44	0,00000	ENVELOPE_	Combination	Max	-1107,998	-300,552	-4,451E-14	-5,566E-15
		ULS						
44	0,25031	ENVELOPE_	Combination	Max	-1140,672	-254,426	-4,235E-14	-5,566E-15
		ULS						
44	0,50061	ENVELOPE_	Combination	Max	-1173,724	-207,486	-4,016E-14	-5,566E-15
		ULS						
44	0,00000	ENVELOPE_	Combination	Min	-1425,095	-365,836	-5,410E-14	-4,034E-14
		ULS						
44	0,25031	ENVELOPE_	Combination	Min	-1457,769	-348,239	-5,194E-14	-4,034E-14
		ULS						
44	0,50061	ENVELOPE_	Combination	Min	-1490,821	-330,317	-4,975E-14	-4,034E-14
		ULS						
44	0,00000	SLS	Combination		-1039,448	-210,669	-3,862E-14	-2,971E-14

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
44	0,25031	SLS	Combination		-1063,651	-176,503	-3,702E-14	-2,971E-14
44	0,50061	SLS	Combination		-1088,134	-141,732	-3,539E-14	-2,971E-14
45	0,00000	USL1	Combination		-1360,087	-352,309	-4,676E-14	-6,128E-15
45	0,24951	USL1	Combination		-1396,079	-311,042	-4,530E-14	-6,128E-15
45	0,49901	USL1	Combination		-1432,406	-269,191	-4,382E-14	-6,128E-15
45	0,00000	ULS2	Combination		-1007,259	-384,235	-4,676E-14	-6,128E-15
45	0,24951	ULS2	Combination		-1043,251	-372,331	-4,530E-14	-6,128E-15
45	0,49901	ULS2	Combination		-1079,578	-360,231	-4,382E-14	-6,128E-15
45	0,00000	ENVELOPE_ ULS	Combination	Max	-1007,259	-352,309	-4,676E-14	-6,128E-15
45	0,24951	ENVELOPE_ ULS	Combination	Max	-1043,251	-311,042	-4,530E-14	-6,128E-15
45	0,49901	ENVELOPE_ ULS	Combination	Max	-1079,578	-269,191	-4,382E-14	-6,128E-15
45	0,00000	ENVELOPE_ ULS	Combination	Min	-1360,087	-384,235	-4,676E-14	-6,128E-15
45	0,24951	ENVELOPE_ ULS	Combination	Min	-1396,079	-372,331	-4,530E-14	-6,128E-15
45	0,49901	ENVELOPE_ ULS	Combination	Min	-1432,406	-360,231	-4,382E-14	-6,128E-15
45	0,00000	SLS	Combination		-995,287	-249,021	-3,318E-14	-4,351E-15
45	0,24951	SLS	Combination		-1021,949	-218,453	-3,210E-14	-4,351E-15
45	0,49901	SLS	Combination		-1048,857	-187,452	-3,100E-14	-4,351E-15
46	0,00000	USL1	Combination		-1363,694	-152,008	5,119E-14	-1,692E-14
46	0,24951	USL1	Combination		-1400,355	-109,574	5,269E-14	-1,692E-14
46	0,49901	USL1	Combination		-1437,350	-66,557	5,422E-14	-1,692E-14
46	0,00000	ULS2	Combination		-992,109	-211,060	-2,555E-14	-6,128E-15
46	0,24951	ULS2	Combination		-1028,770	-198,764	-2,405E-14	-6,128E-15
46	0,49901	ULS2	Combination		-1065,765	-186,272	-2,252E-14	-6,128E-15
46	0,00000	ENVELOPE_ ULS	Combination	Max	-992,109	-152,008	5,119E-14	-6,128E-15
46	0,24951	ENVELOPE_ ULS	Combination	Max	-1028,770	-109,574	5,269E-14	-6,128E-15
46	0,49901	ENVELOPE_ ULS	Combination	Max	-1065,765	-66,557	5,422E-14	-6,128E-15
46	0,00000	ENVELOPE_ ULS	Combination	Min	-1363,694	-211,060	-2,555E-14	-1,692E-14
46	0,24951	ENVELOPE_ ULS	Combination	Min	-1400,355	-198,764	-2,405E-14	-1,692E-14
46	0,49901	ENVELOPE_ ULS	Combination	Min	-1437,350	-186,272	-2,252E-14	-1,692E-14
46	0,00000	SLS	Combination		-999,520	-103,312	3,905E-14	-1,234E-14
46	0,24951	SLS	Combination		-1026,676	-71,879	4,016E-14	-1,234E-14
46	0,49901	SLS	Combination		-1054,080	-40,014	4,129E-14	-1,234E-14
47	0,00000	USL1	Combination		-1349,946	-234,854	2,844E-14	2,458E-14
47	0,24961	USL1	Combination		-1389,037	-199,334	2,901E-14	2,458E-14
47	0,49922	USL1	Combination		-1428,352	-163,503	2,959E-14	2,458E-14
47	0,00000	ULS2	Combination		-949,969	-240,151	-2,911E-14	-6,593E-15
47	0,24961	ULS2	Combination		-989,059	-235,481	-2,854E-14	-6,593E-15
47	0,49922	ULS2	Combination		-1028,374	-230,735	-2,796E-14	-6,593E-15
47	0,00000	ENVELOPE_ ULS	Combination	Max	-949,969	-234,854	2,844E-14	2,458E-14
47	0,24961	ENVELOPE_ ULS	Combination	Max	-989,059	-199,334	2,901E-14	2,458E-14
47	0,49922	ENVELOPE_ ULS	Combination	Max	-1028,374	-163,503	2,959E-14	2,458E-14
47	0,00000	ENVELOPE_ ULS	Combination	Min	-1349,946	-240,151	-2,911E-14	-6,593E-15
47	0,24961	ENVELOPE_ ULS	Combination	Min	-1389,037	-235,481	-2,854E-14	-6,593E-15
47	0,49922	ENVELOPE_ ULS	Combination	Min	-1428,352	-230,735	-2,796E-14	-6,593E-15

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
47	0,00000	SLS	Combination		-992,446	-165,556	2,209E-14	1,841E-14
47	0,24961	SLS	Combination		-1021,402	-139,245	2,251E-14	1,841E-14
47	0,49922	SLS	Combination		-1050,524	-112,703	2,294E-14	1,841E-14
48	0,00000	USL1	Combination		-1386,179	-37,088	3,015E-14	1,979E-14
48	0,24961	USL1	Combination		-1425,717	-0,947	3,074E-14	1,979E-14
48	0,49922	USL1	Combination		-1465,479	35,505	3,134E-14	1,979E-14
48	0,00000	ULS2	Combination		-974,597	-69,535	-8,220E-15	-6,593E-15
48	0,24961	ULS2	Combination		-1014,135	-64,716	-7,630E-15	-6,593E-15
48	0,49922	ULS2	Combination		-1053,897	-59,821	-7,031E-15	-6,593E-15
48	0,00000	ENVELOPE_ ULS	Combination	Max	-974,597	-37,088	3,015E-14	1,979E-14
48	0,24961	ENVELOPE_ ULS	Combination	Max	-1014,135	-0,947	3,074E-14	1,979E-14
48	0,49922	ENVELOPE_ ULS	Combination	Max	-1053,897	35,505	3,134E-14	1,979E-14
48	0,00000	ENVELOPE_ ULS	Combination	Min	-1386,179	-69,535	-8,220E-15	-6,593E-15
48	0,24961	ENVELOPE_ ULS	Combination	Min	-1425,717	-64,716	-7,630E-15	-6,593E-15
48	0,49922	ENVELOPE_ ULS	Combination	Min	-1465,479	-59,821	-7,031E-15	-6,593E-15
48	0,00000	SLS	Combination		-1020,228	-21,889	2,301E-14	1,486E-14
48	0,24961	SLS	Combination		-1049,515	4,882	2,345E-14	1,486E-14
48	0,49922	SLS	Combination		-1078,969	31,884	2,389E-14	1,486E-14
49	0,00000	USL1	Combination		-1425,447	-143,577	6,315E-14	5,072E-14
49	0,26085	USL1	Combination		-1467,391	-114,192	6,269E-14	5,072E-14
49	0,52170	USL1	Combination		-1509,588	-84,692	6,223E-14	5,072E-14
49	0,00000	ULS2	Combination		-999,045	-113,405	-1,359E-14	-6,835E-15
49	0,26085	ULS2	Combination		-1040,989	-117,166	-1,405E-14	-6,835E-15
49	0,52170	ULS2	Combination		-1083,187	-120,900	-1,451E-14	-6,835E-15
49	0,00000	ENVELOPE_ ULS	Combination	Max	-999,045	-113,405	6,315E-14	5,072E-14
49	0,26085	ENVELOPE_ ULS	Combination	Max	-1040,989	-114,192	6,269E-14	5,072E-14
49	0,52170	ENVELOPE_ ULS	Combination	Max	-1083,187	-84,692	6,223E-14	5,072E-14
49	0,00000	ENVELOPE_ ULS	Combination	Min	-1425,447	-143,577	-1,359E-14	-6,835E-15
49	0,26085	ENVELOPE_ ULS	Combination	Min	-1467,391	-117,166	-1,405E-14	-6,835E-15
49	0,52170	ENVELOPE_ ULS	Combination	Min	-1509,588	-120,900	-1,451E-14	-6,835E-15
49	0,00000	SLS	Combination		-1050,964	-102,430	4,725E-14	3,778E-14
49	0,26085	SLS	Combination		-1082,034	-80,664	4,691E-14	3,778E-14
49	0,52170	SLS	Combination		-1113,291	-58,812	4,657E-14	3,778E-14
50	0,00000	USL1	Combination		-1495,251	46,435	4,435E-14	5,312E-14
50	0,26085	USL1	Combination		-1537,703	76,051	4,390E-14	5,312E-14
50	0,52170	USL1	Combination		-1580,408	105,783	4,345E-14	5,312E-14
50	0,00000	ULS2	Combination		-1064,892	46,428	5,981E-15	-6,835E-15
50	0,26085	ULS2	Combination		-1107,343	42,722	5,527E-15	-6,835E-15
50	0,52170	ULS2	Combination		-1150,048	39,044	5,077E-15	-6,835E-15
50	0,00000	ENVELOPE_ ULS	Combination	Max	-1064,892	46,435	4,435E-14	5,312E-14
50	0,26085	ENVELOPE_ ULS	Combination	Max	-1107,343	76,051	4,390E-14	5,312E-14
50	0,52170	ENVELOPE_ ULS	Combination	Max	-1150,048	105,783	4,345E-14	5,312E-14
50	0,00000	ENVELOPE_ ULS	Combination	Min	-1495,251	46,428	5,981E-15	-6,835E-15
50	0,26085	ENVELOPE_ ULS	Combination	Min	-1537,703	42,722	5,527E-15	-6,835E-15

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
50	0,52170	ENVELOPE_	Combination	Min	-1580,408	39,044	5,077E-15	-6,835E-15
		ULS						
50	0,00000	SLS	Combination		-1102,988	35,421	3,297E-14	3,956E-14
50	0,26085	SLS	Combination		-1134,434	57,359	3,263E-14	3,956E-14
50	0,52170	SLS	Combination		-1166,067	79,383	3,230E-14	3,956E-14
51	0,00000	USL1	Combination		-1580,664	-100,987	1,107E-13	5,791E-14
51	0,25154	USL1	Combination		-1541,280	-72,666	1,102E-13	5,791E-14
51	0,50307	USL1	Combination		-1502,142	-44,454	1,097E-13	5,791E-14
51	0,00000	ULS2	Combination		-1149,759	-38,665	-4,440E-15	-6,833E-15
51	0,25154	ULS2	Combination		-1110,375	-42,561	-4,917E-15	-6,833E-15
51	0,50307	ULS2	Combination		-1071,237	-46,482	-5,397E-15	-6,833E-15
51	0,00000	ENVELOPE_	Combination	Max	-1149,759	-38,665	1,107E-13	5,791E-14
		ULS						
51	0,25154	ENVELOPE_	Combination	Max	-1110,375	-42,561	1,102E-13	5,791E-14
		ULS						
51	0,50307	ENVELOPE_	Combination	Max	-1071,237	-44,454	1,097E-13	5,791E-14
		ULS						
51	0,00000	ENVELOPE_	Combination	Min	-1580,664	-100,987	-4,440E-15	-6,833E-15
		ULS						
51	0,25154	ENVELOPE_	Combination	Min	-1541,280	-72,666	-4,917E-15	-6,833E-15
		ULS						
51	0,50307	ENVELOPE_	Combination	Min	-1502,142	-46,482	-5,397E-15	-6,833E-15
		ULS						
51	0,00000	SLS	Combination		-1166,275	-75,716	8,186E-14	4,311E-14
51	0,25154	SLS	Combination		-1137,102	-54,737	8,150E-14	4,311E-14
51	0,50307	SLS	Combination		-1108,110	-33,839	8,115E-14	4,311E-14
52	0,00000	USL1	Combination		-1515,994	86,982	9,188E-14	5,791E-14
52	0,25154	USL1	Combination		-1477,100	115,082	9,139E-14	5,791E-14
52	0,50307	USL1	Combination		-1438,451	143,072	9,091E-14	5,791E-14
52	0,00000	ULS2	Combination		-1088,907	121,191	1,514E-14	-6,833E-15
52	0,25154	ULS2	Combination		-1050,014	117,244	1,465E-14	-6,833E-15
52	0,50307	ULS2	Combination		-1011,365	113,272	1,417E-14	-6,833E-15
52	0,00000	ENVELOPE_	Combination	Max	-1088,907	121,191	9,188E-14	5,791E-14
		ULS						
52	0,25154	ENVELOPE_	Combination	Max	-1050,014	117,244	9,139E-14	5,791E-14
		ULS						
52	0,50307	ENVELOPE_	Combination	Max	-1011,365	143,072	9,091E-14	5,791E-14
		ULS						
52	0,00000	ENVELOPE_	Combination	Min	-1515,994	86,982	1,514E-14	-6,833E-15
		ULS						
52	0,25154	ENVELOPE_	Combination	Min	-1477,100	115,082	1,465E-14	-6,833E-15
		ULS						
52	0,50307	ENVELOPE_	Combination	Min	-1438,451	113,272	1,417E-14	-6,833E-15
		ULS						
52	0,00000	SLS	Combination		-1118,065	60,623	6,758E-14	4,311E-14
52	0,25154	SLS	Combination		-1089,255	81,438	6,722E-14	4,311E-14
52	0,50307	SLS	Combination		-1060,627	102,172	6,686E-14	4,311E-14
53	0,00000	USL1	Combination		-1477,871	-32,751	4,622E-14	4,137E-14
53	0,25024	USL1	Combination		-1439,670	2,940	4,671E-14	4,137E-14
53	0,50047	USL1	Combination		-1401,693	38,321	4,720E-14	4,137E-14
53	0,00000	ULS2	Combination		-1065,228	61,661	7,847E-15	-6,591E-15
53	0,25024	ULS2	Combination		-1027,027	65,716	8,343E-15	-6,591E-15
53	0,50047	ULS2	Combination		-989,050	69,697	8,831E-15	-6,591E-15
53	0,00000	ENVELOPE_	Combination	Max	-1065,228	61,661	4,622E-14	4,137E-14
		ULS						
53	0,25024	ENVELOPE_	Combination	Max	-1027,027	65,716	4,671E-14	4,137E-14
		ULS						
53	0,50047	ENVELOPE_	Combination	Max	-989,050	69,697	4,720E-14	4,137E-14
		ULS						
53	0,00000	ENVELOPE_	Combination	Min	-1477,871	-32,751	7,847E-15	-6,591E-15
		ULS						

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
53	0,25024	ENVELOPE_ ULS	Combination	Min	-1439,670	2,940	8,343E-15	-6,591E-15
53	0,50047	ENVELOPE_ ULS	Combination	Min	-1401,693	38,321	8,831E-15	-6,591E-15
53	0,00000	SLS	Combination		-1088,233	-29,760	3,355E-14	3,085E-14
53	0,25024	SLS	Combination		-1059,936	-3,322	3,392E-14	3,085E-14
53	0,50047	SLS	Combination		-1031,805	22,886	3,428E-14	3,085E-14
54	0,00000	USL1	Combination		-1443,130	165,722	1,438E-13	5,576E-14
54	0,25024	USL1	Combination		-1405,378	200,793	1,443E-13	5,576E-14
54	0,50047	USL1	Combination		-1367,851	235,555	1,448E-13	5,576E-14
54	0,00000	ULS2	Combination		-1041,847	232,025	2,871E-14	-6,591E-15
54	0,25024	ULS2	Combination		-1004,095	235,933	2,919E-14	-6,591E-15
54	0,50047	ULS2	Combination		-966,568	239,768	2,966E-14	-6,591E-15
54	0,00000	ENVELOPE_ ULS	Combination	Max	-1041,847	232,025	1,438E-13	5,576E-14
54	0,25024	ENVELOPE_ ULS	Combination	Max	-1004,095	235,933	1,443E-13	5,576E-14
54	0,50047	ENVELOPE_ ULS	Combination	Max	-966,568	239,768	1,448E-13	5,576E-14
54	0,00000	ENVELOPE_ ULS	Combination	Min	-1443,130	165,722	2,871E-14	-6,591E-15
54	0,25024	ENVELOPE_ ULS	Combination	Min	-1405,378	200,793	2,919E-14	-6,591E-15
54	0,50047	ENVELOPE_ ULS	Combination	Min	-1367,851	235,555	2,966E-14	-6,591E-15
54	0,00000	SLS	Combination		-1061,579	114,430	1,055E-13	4,151E-14
54	0,25024	SLS	Combination		-1033,615	140,409	1,059E-13	4,151E-14
54	0,50047	SLS	Combination		-1005,818	166,158	1,062E-13	4,151E-14
55	0,00000	USL1	Combination		-1454,647	63,865	6,111E-14	1,066E-14
55	0,25051	USL1	Combination		-1418,964	105,908	6,250E-14	1,066E-14
55	0,50102	USL1	Combination		-1383,618	147,368	6,387E-14	1,066E-14
55	0,00000	ULS2	Combination		-1081,442	183,255	2,274E-14	-6,123E-15
55	0,25051	ULS2	Combination		-1045,760	194,650	2,413E-14	-6,123E-15
55	0,50102	ULS2	Combination		-1010,414	205,850	2,550E-14	-6,123E-15
55	0,00000	ENVELOPE_ ULS	Combination	Max	-1081,442	183,255	6,111E-14	1,066E-14
55	0,25051	ENVELOPE_ ULS	Combination	Max	-1045,760	194,650	6,250E-14	1,066E-14
55	0,50102	ENVELOPE_ ULS	Combination	Max	-1010,414	205,850	6,387E-14	1,066E-14
55	0,00000	ENVELOPE_ ULS	Combination	Min	-1454,647	63,865	2,274E-14	-6,123E-15
55	0,25051	ENVELOPE_ ULS	Combination	Min	-1418,964	105,908	2,413E-14	-6,123E-15
55	0,50102	ENVELOPE_ ULS	Combination	Min	-1383,618	147,368	2,550E-14	-6,123E-15
55	0,00000	SLS	Combination		-1067,033	38,081	4,413E-14	8,090E-15
55	0,25051	SLS	Combination		-1040,602	69,224	4,516E-14	8,090E-15
55	0,50102	SLS	Combination		-1014,419	99,935	4,618E-14	8,090E-15
56	0,00000	USL1	Combination		-1452,098	266,013	5,609E-15	1,306E-14
56	0,25051	USL1	Combination		-1417,089	306,890	6,957E-15	1,306E-14
56	0,50102	USL1	Combination		-1382,417	347,183	8,281E-15	1,306E-14
56	0,00000	ULS2	Combination		-1097,484	356,701	4,398E-14	-6,123E-15
56	0,25051	ULS2	Combination		-1062,475	367,707	4,533E-14	-6,123E-15
56	0,50102	ULS2	Combination		-1027,802	378,519	4,665E-14	-6,123E-15
56	0,00000	ENVELOPE_ ULS	Combination	Max	-1097,484	356,701	4,398E-14	1,306E-14
56	0,25051	ENVELOPE_ ULS	Combination	Max	-1062,475	367,707	4,533E-14	1,306E-14
56	0,50102	ENVELOPE_ ULS	Combination	Max	-1027,802	378,519	4,665E-14	1,306E-14

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
56	0,00000	ENVELOPE_	Combination	Min	-1452,098	266,013	5,609E-15	-6,123E-15
		ULS						
56	0,25051	ENVELOPE_	Combination	Min	-1417,089	306,890	6,957E-15	-6,123E-15
		ULS						
56	0,50102	ENVELOPE_	Combination	Min	-1382,417	347,183	8,281E-15	-6,123E-15
		ULS						
56	0,00000	SLS	Combination		-1063,608	185,156	2,691E-15	9,867E-15
56	0,25051	SLS	Combination		-1037,675	215,435	3,690E-15	9,867E-15
56	0,50102	SLS	Combination		-1011,992	245,282	4,670E-15	9,867E-15
57	0,00000	USL1	Combination		-1517,259	155,640	3,554E-14	-3,423E-14
57	0,25080	USL1	Combination		-1485,882	202,218	3,768E-14	-3,423E-14
57	0,50160	USL1	Combination		-1454,877	247,970	3,978E-14	-3,423E-14
57	0,00000	ULS2	Combination		-1201,930	287,786	3,554E-14	-5,450E-15
57	0,25080	ULS2	Combination		-1170,553	305,288	3,768E-14	-5,450E-15
57	0,50160	ULS2	Combination		-1139,548	322,456	3,978E-14	-5,450E-15
57	0,00000	ENVELOPE_	Combination	Max	-1201,930	287,786	3,554E-14	-5,450E-15
		ULS						
57	0,25080	ENVELOPE_	Combination	Max	-1170,553	305,288	3,768E-14	-5,450E-15
		ULS						
57	0,50160	ENVELOPE_	Combination	Max	-1139,548	322,456	3,978E-14	-5,450E-15
		ULS						
57	0,00000	ENVELOPE_	Combination	Min	-1517,259	155,640	3,554E-14	-3,423E-14
		ULS						
57	0,25080	ENVELOPE_	Combination	Min	-1485,882	202,218	3,768E-14	-3,423E-14
		ULS						
57	0,50160	ENVELOPE_	Combination	Min	-1454,877	247,970	3,978E-14	-3,423E-14
		ULS						
57	0,00000	SLS	Combination		-1107,568	103,823	2,491E-14	-2,518E-14
57	0,25080	SLS	Combination		-1084,327	138,325	2,650E-14	-2,518E-14
57	0,50160	SLS	Combination		-1061,360	172,216	2,806E-14	-2,518E-14
58	0,00000	USL1	Combination		-1548,929	352,488	-5,910E-14	-2,703E-14
58	0,25080	USL1	Combination		-1518,295	397,416	-5,703E-14	-2,703E-14
58	0,50160	USL1	Combination		-1488,032	441,518	-5,501E-14	-2,703E-14
58	0,00000	ULS2	Combination		-1258,783	454,959	5,601E-14	-5,450E-15
58	0,25080	ULS2	Combination		-1228,149	471,792	5,807E-14	-5,450E-15
58	0,50160	ULS2	Combination		-1197,886	488,292	6,009E-14	-5,450E-15
58	0,00000	ENVELOPE_	Combination	Max	-1258,783	454,959	5,601E-14	-5,450E-15
		ULS						
58	0,25080	ENVELOPE_	Combination	Max	-1228,149	471,792	5,807E-14	-5,450E-15
		ULS						
58	0,50160	ENVELOPE_	Combination	Max	-1197,886	488,292	6,009E-14	-5,450E-15
		ULS						
58	0,00000	ENVELOPE_	Combination	Min	-1548,929	352,488	-5,910E-14	-2,703E-14
		ULS						
58	0,25080	ENVELOPE_	Combination	Min	-1518,295	397,416	-5,703E-14	-2,703E-14
		ULS						
58	0,50160	ENVELOPE_	Combination	Min	-1488,032	441,518	-5,501E-14	-2,703E-14
		ULS						
58	0,00000	SLS	Combination		-1128,891	247,262	-4,548E-14	-1,985E-14
58	0,25080	SLS	Combination		-1106,199	280,542	-4,395E-14	-1,985E-14
58	0,50160	SLS	Combination		-1083,783	313,210	-4,245E-14	-1,985E-14
59	0,00000	USL1	Combination		296,787	-272,135	-7,917E-14	1,889E-14
59	0,38282	USL1	Combination		296,787	-240,119	-8,036E-14	1,889E-14
59	0,00000	ULS2	Combination		432,529	-308,038	-4,080E-14	-2,912E-16
59	0,38282	ULS2	Combination		432,529	-317,780	-4,199E-14	-2,912E-16
59	0,00000	ENVELOPE_	Combination	Max	432,529	-272,135	-4,080E-14	1,889E-14
		ULS						
59	0,38282	ENVELOPE_	Combination	Max	432,529	-240,119	-4,199E-14	1,889E-14
		ULS						
59	0,00000	ENVELOPE_	Combination	Min	296,787	-308,038	-7,917E-14	-2,912E-16
		ULS						

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
59	0,38282	ENVELOPE_	Combination	Min	296,787	-317,780	-8,036E-14	-2,912E-16
		ULS						
59	0,00000	SLS	Combination		205,641	-193,208	-5,753E-14	1,402E-14
59	0,38282	SLS	Combination		205,641	-169,492	-5,842E-14	1,402E-14
60	0,00000	USL1	Combination		296,787	-95,930	-1,968E-14	2,129E-14
60	0,38282	USL1	Combination		296,787	-63,914	-2,088E-14	2,129E-14
60	0,00000	ULS2	Combination		432,529	-135,604	-1,968E-14	-2,912E-16
60	0,38282	ULS2	Combination		432,529	-145,346	-2,088E-14	-2,912E-16
60	0,00000	ENVELOPE_	Combination	Max	432,529	-95,930	-1,968E-14	2,129E-14
		ULS						
60	0,38282	ENVELOPE_	Combination	Max	432,529	-63,914	-2,088E-14	2,129E-14
		ULS						
60	0,00000	ENVELOPE_	Combination	Min	296,787	-135,604	-1,968E-14	-2,912E-16
		ULS						
60	0,38282	ENVELOPE_	Combination	Min	296,787	-145,346	-2,088E-14	-2,912E-16
		ULS						
60	0,00000	SLS	Combination		205,641	-65,989	-1,387E-14	1,580E-14
60	0,38282	SLS	Combination		205,641	-42,273	-1,476E-14	1,580E-14
61	0,00000	USL1	Combination		296,787	81,988	1,657E-15	1,889E-14
61	0,38282	USL1	Combination		296,787	114,004	4,638E-16	1,889E-14
61	0,00000	ULS2	Combination		432,529	38,662	1,657E-15	-2,912E-16
61	0,38282	ULS2	Combination		432,529	28,920	4,638E-16	-2,912E-16
61	0,00000	ENVELOPE_	Combination	Max	432,529	81,988	1,657E-15	1,889E-14
		ULS						
61	0,38282	ENVELOPE_	Combination	Max	432,529	114,004	4,638E-16	1,889E-14
		ULS						
61	0,00000	ENVELOPE_	Combination	Min	296,787	38,662	1,657E-15	-2,912E-16
		ULS						
61	0,38282	ENVELOPE_	Combination	Min	296,787	28,920	4,638E-16	-2,912E-16
		ULS						
61	0,00000	SLS	Combination		205,641	62,448	1,523E-15	1,402E-14
61	0,38282	SLS	Combination		205,641	86,164	6,395E-16	1,402E-14
62	0,00000	USL1	Combination		296,787	261,657	6,160E-14	2,609E-14
62	0,38282	USL1	Combination		296,787	293,673	6,040E-14	2,609E-14
62	0,00000	ULS2	Combination		432,529	214,785	2,323E-14	-2,912E-16
62	0,38282	ULS2	Combination		432,529	205,043	2,203E-14	-2,912E-16
62	0,00000	ENVELOPE_	Combination	Max	432,529	261,657	6,160E-14	2,609E-14
		ULS						
62	0,38282	ENVELOPE_	Combination	Max	432,529	293,673	6,040E-14	2,609E-14
		ULS						
62	0,00000	ENVELOPE_	Combination	Min	296,787	214,785	2,323E-14	-2,912E-16
		ULS						
62	0,38282	ENVELOPE_	Combination	Min	296,787	205,043	2,203E-14	-2,912E-16
		ULS						
62	0,00000	SLS	Combination		205,641	192,132	4,551E-14	1,935E-14
62	0,38282	SLS	Combination		205,641	215,848	4,462E-14	1,935E-14
63	0,00000	USL1	Combination		-1907,264	-428,697	2,953E-16	-2,485E-13
63	0,23812	USL1	Combination		-1919,383	-391,980	2,953E-16	-2,485E-13
63	0,47625	USL1	Combination		-1931,503	-353,888	2,953E-16	-2,485E-13
63	0,00000	ULS2	Combination		-1771,919	-336,802	2,953E-16	-1,529E-15
63	0,23812	ULS2	Combination		-1784,039	-312,707	2,953E-16	-1,529E-15
63	0,47625	ULS2	Combination		-1796,158	-287,920	2,953E-16	-1,529E-15
63	0,00000	ENVELOPE_	Combination	Max	-1771,919	-336,802	2,953E-16	-1,529E-15
		ULS						
63	0,23812	ENVELOPE_	Combination	Max	-1784,039	-312,707	2,953E-16	-1,529E-15
		ULS						
63	0,47625	ENVELOPE_	Combination	Max	-1796,158	-287,920	2,953E-16	-1,529E-15
		ULS						
63	0,00000	ENVELOPE_	Combination	Min	-1907,264	-428,697	2,953E-16	-2,485E-13
		ULS						
63	0,23812	ENVELOPE_	Combination	Min	-1919,383	-391,980	2,953E-16	-2,485E-13
		ULS						

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
63	0,47625	ENVELOPE_	Combination	Min	-1931,503	-353,888	2,953E-16	-2,485E-13
		ULS						
63	0,00000	SLS	Combination		-1373,142	-305,401	2,111E-16	-1,841E-13
63	0,23812	SLS	Combination		-1382,119	-278,518	2,111E-16	-1,841E-13
63	0,47625	SLS	Combination		-1391,097	-250,616	2,111E-16	-1,841E-13
64	0,00000	USL1	Combination		-1931,503	-333,243	-1,532E-13	-2,341E-13
64	0,23812	USL1	Combination		-1943,623	-293,778	-1,532E-13	-2,341E-13
64	0,47625	USL1	Combination		-1955,742	-252,938	-1,532E-13	-2,341E-13
64	0,00000	ULS2	Combination		-1796,158	-263,006	2,953E-16	-1,529E-15
64	0,23812	ULS2	Combination		-1808,278	-237,528	2,953E-16	-1,529E-15
64	0,47625	ULS2	Combination		-1820,398	-211,359	2,953E-16	-1,529E-15
64	0,00000	ENVELOPE_	Combination	Max	-1796,158	-263,006	2,953E-16	-1,529E-15
		ULS						
64	0,23812	ENVELOPE_	Combination	Max	-1808,278	-237,528	2,953E-16	-1,529E-15
		ULS						
64	0,47625	ENVELOPE_	Combination	Max	-1820,398	-211,359	2,953E-16	-1,529E-15
		ULS						
64	0,00000	ENVELOPE_	Combination	Min	-1931,503	-333,243	-1,532E-13	-2,341E-13
		ULS						
64	0,23812	ENVELOPE_	Combination	Min	-1943,623	-293,778	-1,532E-13	-2,341E-13
		ULS						
64	0,47625	ENVELOPE_	Combination	Min	-1955,742	-252,938	-1,532E-13	-2,341E-13
		ULS						
64	0,00000	SLS	Combination		-1391,097	-236,488	-1,135E-13	-1,734E-13
64	0,23812	SLS	Combination		-1400,074	-207,569	-1,135E-13	-1,734E-13
64	0,47625	SLS	Combination		-1409,052	-177,631	-1,135E-13	-1,734E-13
65	0,00000	USL1	Combination		-1955,742	-230,551	-3,067E-13	-2,317E-13
65	0,23812	USL1	Combination		-1967,862	-188,337	-3,067E-13	-2,317E-13
65	0,47625	USL1	Combination		-1979,981	-144,749	-3,067E-13	-2,317E-13
65	0,00000	ULS2	Combination		-1820,398	-184,448	2,953E-16	-1,529E-15
65	0,23812	ULS2	Combination		-1832,517	-157,587	2,953E-16	-1,529E-15
65	0,47625	ULS2	Combination		-1844,637	-130,036	2,953E-16	-1,529E-15
65	0,00000	ENVELOPE_	Combination	Max	-1820,398	-184,448	2,953E-16	-1,529E-15
		ULS						
65	0,23812	ENVELOPE_	Combination	Max	-1832,517	-157,587	2,953E-16	-1,529E-15
		ULS						
65	0,47625	ENVELOPE_	Combination	Max	-1844,637	-130,036	2,953E-16	-1,529E-15
		ULS						
65	0,00000	ENVELOPE_	Combination	Min	-1955,742	-230,551	-3,067E-13	-2,317E-13
		ULS						
65	0,23812	ENVELOPE_	Combination	Min	-1967,862	-188,337	-3,067E-13	-2,317E-13
		ULS						
65	0,47625	ENVELOPE_	Combination	Min	-1979,981	-144,749	-3,067E-13	-2,317E-13
		ULS						
65	0,00000	SLS	Combination		-1409,052	-162,241	-2,272E-13	-1,716E-13
65	0,23812	SLS	Combination		-1418,029	-131,285	-2,272E-13	-1,716E-13
65	0,47625	SLS	Combination		-1427,007	-99,312	-2,272E-13	-1,716E-13
66	0,00000	USL1	Combination		-1979,981	-121,156	-7,644E-14	-2,269E-13
66	0,23812	USL1	Combination		-1992,101	-76,194	-7,644E-14	-2,269E-13
66	0,47625	USL1	Combination		-2004,220	-29,857	-7,644E-14	-2,269E-13
66	0,00000	ULS2	Combination		-1844,637	-101,742	2,953E-16	-1,529E-15
66	0,23812	ULS2	Combination		-1856,756	-73,500	2,953E-16	-1,529E-15
66	0,47625	ULS2	Combination		-1868,876	-44,566	2,953E-16	-1,529E-15
66	0,00000	ENVELOPE_	Combination	Max	-1844,637	-101,742	2,953E-16	-1,529E-15
		ULS						
66	0,23812	ENVELOPE_	Combination	Max	-1856,756	-73,500	2,953E-16	-1,529E-15
		ULS						
66	0,47625	ENVELOPE_	Combination	Max	-1868,876	-29,857	2,953E-16	-1,529E-15
		ULS						
66	0,00000	ENVELOPE_	Combination	Min	-1979,981	-121,156	-7,644E-14	-2,269E-13
		ULS						

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
66	0,23812	ENVELOPE_ ULS	Combination	Min	-1992,101	-76,194	-7,644E-14	-2,269E-13
66	0,47625	ENVELOPE_ ULS	Combination	Min	-2004,220	-44,566	-7,644E-14	-2,269E-13
66	0,00000	SLS	Combination		-1427,007	-83,035	-5,663E-14	-1,681E-13
66	0,23812	SLS	Combination		-1435,984	-50,044	-5,663E-14	-1,681E-13
66	0,47625	SLS	Combination		-1444,962	-16,035	-5,663E-14	-1,681E-13
67	0,00000	USL1	Combination		-2004,220	-5,560	-1,532E-13	-2,222E-13
67	0,23812	USL1	Combination		-2016,340	42,151	-1,532E-13	-2,222E-13
67	0,47625	USL1	Combination		-2028,460	91,237	-1,532E-13	-2,222E-13
67	0,00000	ULS2	Combination		-1868,876	-15,477	2,953E-16	-1,529E-15
67	0,23812	ULS2	Combination		-1880,996	14,144	2,953E-16	-1,529E-15
67	0,47625	ULS2	Combination		-1893,115	44,448	2,953E-16	-1,529E-15
67	0,00000	ENVELOPE_ ULS	Combination	Max	-1868,876	-5,560	2,953E-16	-1,529E-15
67	0,23812	ENVELOPE_ ULS	Combination	Max	-1880,996	42,151	2,953E-16	-1,529E-15
67	0,47625	ENVELOPE_ ULS	Combination	Max	-1893,115	91,237	2,953E-16	-1,529E-15
67	0,00000	ENVELOPE_ ULS	Combination	Min	-2004,220	-15,477	-1,532E-13	-2,222E-13
67	0,23812	ENVELOPE_ ULS	Combination	Min	-2016,340	14,144	-1,532E-13	-2,222E-13
67	0,47625	ENVELOPE_ ULS	Combination	Min	-2028,460	44,448	-1,532E-13	-2,222E-13
67	0,00000	SLS	Combination		-1444,962	0,775	-1,135E-13	-1,645E-13
67	0,23812	SLS	Combination		-1453,939	35,803	-1,135E-13	-1,645E-13
67	0,47625	SLS	Combination		-1462,917	71,848	-1,135E-13	-1,645E-13
68	0,00000	USL1	Combination		-2028,460	115,752	-1,532E-13	-2,174E-13
68	0,23812	USL1	Combination		-2040,579	166,212	-1,532E-13	-2,174E-13
68	0,47625	USL1	Combination		-2052,699	218,046	-1,532E-13	-2,174E-13
68	0,00000	ULS2	Combination		-1893,115	73,760	2,953E-16	-1,529E-15
68	0,23812	ULS2	Combination		-1905,235	104,747	2,953E-16	-1,529E-15
68	0,47625	ULS2	Combination		-1917,354	136,417	2,953E-16	-1,529E-15
68	0,00000	ENVELOPE_ ULS	Combination	Max	-1893,115	115,752	2,953E-16	-1,529E-15
68	0,23812	ENVELOPE_ ULS	Combination	Max	-1905,235	166,212	2,953E-16	-1,529E-15
68	0,47625	ENVELOPE_ ULS	Combination	Max	-1917,354	218,046	2,953E-16	-1,529E-15
68	0,00000	ENVELOPE_ ULS	Combination	Min	-2028,460	73,760	-1,532E-13	-2,174E-13
68	0,23812	ENVELOPE_ ULS	Combination	Min	-2040,579	104,747	-1,532E-13	-2,174E-13
68	0,47625	ENVELOPE_ ULS	Combination	Min	-2052,699	136,417	-1,532E-13	-2,174E-13
68	0,00000	SLS	Combination		-1462,917	88,850	-1,135E-13	-1,610E-13
68	0,23812	SLS	Combination		-1471,894	125,913	-1,135E-13	-1,610E-13
68	0,47625	SLS	Combination		-1480,871	163,994	-1,135E-13	-1,610E-13
69	0,00000	USL1	Combination		-388,270	-586,076	-4,487E-14	-5,986E-14
69	0,23812	USL1	Combination		-394,330	-527,371	-4,487E-14	-5,986E-14
69	0,47625	USL1	Combination		-400,390	-467,291	-4,487E-14	-5,986E-14
69	0,00000	ULS2	Combination		-338,968	-629,255	-6,504E-15	1,028E-14
69	0,23812	ULS2	Combination		-345,028	-594,133	-6,504E-15	1,028E-14
69	0,47625	ULS2	Combination		-351,088	-558,320	-6,504E-15	1,028E-14
69	0,00000	ENVELOPE_ ULS	Combination	Max	-338,968	-586,076	-6,504E-15	1,028E-14
69	0,23812	ENVELOPE_ ULS	Combination	Max	-345,028	-527,371	-6,504E-15	1,028E-14
69	0,47625	ENVELOPE_ ULS	Combination	Max	-351,088	-467,291	-6,504E-15	1,028E-14

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
69	0,00000	ENVELOPE_	Combination	Min	-388,270	-629,255	-4,487E-14	-5,986E-14
		ULS						
69	0,23812	ENVELOPE_	Combination	Min	-394,330	-594,133	-4,487E-14	-5,986E-14
		ULS						
69	0,47625	ENVELOPE_	Combination	Min	-400,390	-558,320	-4,487E-14	-5,986E-14
		ULS						
69	0,00000	SLS	Combination		-282,823	-417,320	-3,309E-14	-4,461E-14
69	0,23812	SLS	Combination		-287,311	-374,149	-3,309E-14	-4,461E-14
69	0,47625	SLS	Combination		-291,800	-329,960	-3,309E-14	-4,461E-14
70	0,00000	USL1	Combination		-400,390	-451,219	-2,569E-14	-5,866E-14
70	0,23812	USL1	Combination		-406,450	-389,766	-2,569E-14	-5,866E-14
70	0,47625	USL1	Combination		-412,510	-326,937	-2,569E-14	-5,866E-14
70	0,00000	ULS2	Combination		-351,088	-538,368	-6,504E-15	1,028E-14
70	0,23812	ULS2	Combination		-357,148	-501,864	-6,504E-15	1,028E-14
70	0,47625	ULS2	Combination		-363,207	-464,669	-6,504E-15	1,028E-14
70	0,00000	ENVELOPE_	Combination	Max	-351,088	-451,219	-6,504E-15	1,028E-14
		ULS						
70	0,23812	ENVELOPE_	Combination	Max	-357,148	-389,766	-6,504E-15	1,028E-14
		ULS						
70	0,47625	ENVELOPE_	Combination	Max	-363,207	-326,937	-6,504E-15	1,028E-14
		ULS						
70	0,00000	ENVELOPE_	Combination	Min	-400,390	-538,368	-2,569E-14	-5,866E-14
		ULS						
70	0,23812	ENVELOPE_	Combination	Min	-406,450	-501,864	-2,569E-14	-5,866E-14
		ULS						
70	0,47625	ENVELOPE_	Combination	Min	-412,510	-464,669	-2,569E-14	-5,866E-14
		ULS						
70	0,00000	SLS	Combination		-291,800	-318,820	-1,887E-14	-4,373E-14
70	0,23812	SLS	Combination		-296,289	-273,612	-1,887E-14	-4,373E-14
70	0,47625	SLS	Combination		-300,778	-227,387	-1,887E-14	-4,373E-14
71	0,00000	USL1	Combination		-443,090	313,295	9,066E-14	-3,682E-15
71	0,23812	USL1	Combination		-437,030	374,426	9,501E-14	-3,682E-15
71	0,47625	USL1	Combination		-430,970	434,183	9,927E-14	-3,682E-15
71	0,00000	ULS2	Combination		-392,781	452,111	5,229E-14	5,311E-15
71	0,23812	ULS2	Combination		-386,721	487,609	5,664E-14	5,311E-15
71	0,47625	ULS2	Combination		-380,661	522,416	6,090E-14	5,311E-15
71	0,00000	ENVELOPE_	Combination	Max	-392,781	452,111	9,066E-14	5,311E-15
		ULS						
71	0,23812	ENVELOPE_	Combination	Max	-386,721	487,609	9,501E-14	5,311E-15
		ULS						
71	0,47625	ENVELOPE_	Combination	Max	-380,661	522,416	9,927E-14	5,311E-15
		ULS						
71	0,00000	ENVELOPE_	Combination	Min	-443,090	313,295	5,229E-14	-3,682E-15
		ULS						
71	0,23812	ENVELOPE_	Combination	Min	-437,030	374,426	5,664E-14	-3,682E-15
		ULS						
71	0,47625	ENVELOPE_	Combination	Min	-430,970	434,183	6,090E-14	-3,682E-15
		ULS						
71	0,00000	SLS	Combination		-323,073	217,288	6,543E-14	-2,862E-15
71	0,23812	SLS	Combination		-318,584	262,256	6,861E-14	-2,862E-15
71	0,47625	SLS	Combination		-314,095	306,206	7,173E-14	-2,862E-15
72	0,00000	USL1	Combination		-430,970	456,770	6,412E-14	-9,677E-15
72	0,23812	USL1	Combination		-424,910	515,153	6,829E-14	-9,677E-15
72	0,47625	USL1	Combination		-418,850	572,161	7,239E-14	-9,677E-15
72	0,00000	ULS2	Combination		-380,661	548,675	6,412E-14	5,311E-15
72	0,23812	ULS2	Combination		-374,601	582,790	6,829E-14	5,311E-15
72	0,47625	ULS2	Combination		-368,542	616,215	7,239E-14	5,311E-15
72	0,00000	ENVELOPE_	Combination	Max	-380,661	548,675	6,412E-14	5,311E-15
		ULS						
72	0,23812	ENVELOPE_	Combination	Max	-374,601	582,790	6,829E-14	5,311E-15
		ULS						

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
72	0,47625	ENVELOPE_ ULS	Combination	Max	-368,542	616,215	7,239E-14	5,311E-15
72	0,00000	ENVELOPE_ ULS	Combination	Min	-430,970	456,770	6,412E-14	-9,677E-15
72	0,23812	ENVELOPE_ ULS	Combination	Min	-424,910	515,153	6,829E-14	-9,677E-15
72	0,47625	ENVELOPE_ ULS	Combination	Min	-418,850	572,161	7,239E-14	-9,677E-15
72	0,00000	SLS	Combination		-314,095	322,169	4,560E-14	-7,303E-15
72	0,23812	SLS	Combination		-309,606	365,100	4,865E-14	-7,303E-15
72	0,47625	SLS	Combination		-305,118	407,014	5,165E-14	-7,303E-15
73	0,00000	USL1	Combination		-2067,384	-228,304	-9,447E-14	-4,225E-14
73	0,23812	USL1	Combination		-2055,264	-178,167	-9,080E-14	-4,225E-14
73	0,47625	USL1	Combination		-2043,144	-129,405	-8,721E-14	-4,225E-14
73	0,00000	ULS2	Combination		-1931,502	-147,205	-1,773E-14	-1,481E-15
73	0,23812	ULS2	Combination		-1919,383	-117,232	-1,406E-14	-1,481E-15
73	0,47625	ULS2	Combination		-1907,263	-87,943	-1,047E-14	-1,481E-15
73	0,00000	ENVELOPE_ ULS	Combination	Max	-1931,502	-147,205	-1,773E-14	-1,481E-15
73	0,23812	ENVELOPE_ ULS	Combination	Max	-1919,383	-117,232	-1,406E-14	-1,481E-15
73	0,47625	ENVELOPE_ ULS	Combination	Max	-1907,263	-87,943	-1,047E-14	-1,481E-15
73	0,00000	ENVELOPE_ ULS	Combination	Min	-2067,384	-228,304	-9,447E-14	-4,225E-14
73	0,23812	ENVELOPE_ ULS	Combination	Min	-2055,264	-178,167	-9,080E-14	-4,225E-14
73	0,47625	ENVELOPE_ ULS	Combination	Min	-2043,144	-129,405	-8,721E-14	-4,225E-14
73	0,00000	SLS	Combination		-1491,989	-171,607	-7,029E-14	-3,125E-14
73	0,23812	SLS	Combination		-1483,011	-134,783	-6,761E-14	-3,125E-14
73	0,47625	SLS	Combination		-1474,034	-98,977	-6,499E-14	-3,125E-14
74	0,00000	USL1	Combination		-2043,144	-94,948	-8,240E-14	-4,225E-14
74	0,23812	USL1	Combination		-2031,025	-47,559	-7,890E-14	-4,225E-14
74	0,47625	USL1	Combination		-2018,905	-1,546	-7,548E-14	-4,225E-14
74	0,00000	ULS2	Combination		-1907,263	-48,664	-5,664E-15	-1,481E-15
74	0,23812	ULS2	Combination		-1895,144	-20,057	-2,161E-15	-1,481E-15
74	0,47625	ULS2	Combination		-1883,024	7,866	1,259E-15	-1,481E-15
74	0,00000	ENVELOPE_ ULS	Combination	Max	-1907,263	-48,664	-5,664E-15	-1,481E-15
74	0,23812	ENVELOPE_ ULS	Combination	Max	-1895,144	-20,057	-2,161E-15	-1,481E-15
74	0,47625	ENVELOPE_ ULS	Combination	Max	-1883,024	7,866	1,259E-15	-1,481E-15
74	0,00000	ENVELOPE_ ULS	Combination	Min	-2043,144	-94,948	-8,240E-14	-4,225E-14
74	0,23812	ENVELOPE_ ULS	Combination	Min	-2031,025	-47,559	-7,890E-14	-4,225E-14
74	0,47625	ENVELOPE_ ULS	Combination	Min	-2018,905	-1,546	-7,548E-14	-4,225E-14
74	0,00000	SLS	Combination		-1474,034	-74,611	-6,157E-14	-3,125E-14
74	0,23812	SLS	Combination		-1465,056	-39,823	-5,901E-14	-3,125E-14
74	0,47625	SLS	Combination		-1456,079	-6,053	-5,652E-14	-3,125E-14
75	0,00000	USL1	Combination		-2018,905	33,587	-1,303E-14	-4,225E-14
75	0,23812	USL1	Combination		-2006,786	78,227	-9,691E-15	-4,225E-14
75	0,47625	USL1	Combination		-1994,666	121,492	-6,440E-15	-4,225E-14
75	0,00000	ULS2	Combination		-1883,024	47,875	6,158E-15	-1,481E-15
75	0,23812	ULS2	Combination		-1870,904	75,111	9,494E-15	-1,481E-15
75	0,47625	ULS2	Combination		-1858,785	101,656	1,274E-14	-1,481E-15
75	0,00000	ENVELOPE_ ULS	Combination	Max	-1883,024	47,875	6,158E-15	-1,481E-15

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
75	0,23812	ENVELOPE_ ULS	Combination	Max	-1870,904	78,227	9,494E-15	-1,481E-15
75	0,47625	ENVELOPE_ ULS	Combination	Max	-1858,785	121,492	1,274E-14	-1,481E-15
75	0,00000	ENVELOPE_ ULS	Combination	Min	-2018,905	33,587	-1,303E-14	-4,225E-14
75	0,23812	ENVELOPE_ ULS	Combination	Min	-2006,786	75,111	-9,691E-15	-4,225E-14
75	0,47625	ENVELOPE_ ULS	Combination	Min	-1994,666	101,656	-6,440E-15	-4,225E-14
75	0,00000	SLS	Combination		-1456,079	18,785	-1,040E-14	-3,125E-14
75	0,23812	SLS	Combination		-1447,101	51,537	-7,971E-15	-3,125E-14
75	0,47625	SLS	Combination		-1438,124	83,271	-5,601E-15	-3,125E-14
76	0,00000	USL1	Combination		-1994,666	156,831	8,073E-15	-3,985E-14
76	0,23812	USL1	Combination		-1982,546	198,722	1,124E-14	-3,985E-14
76	0,47625	USL1	Combination		-1970,427	239,239	1,432E-14	-3,985E-14
76	0,00000	ULS2	Combination		-1858,785	141,839	1,767E-14	-1,481E-15
76	0,23812	ULS2	Combination		-1846,665	167,692	2,083E-14	-1,481E-15
76	0,47625	ULS2	Combination		-1834,546	192,855	2,391E-14	-1,481E-15
76	0,00000	ENVELOPE_ ULS	Combination	Max	-1858,785	156,831	1,767E-14	-1,481E-15
76	0,23812	ENVELOPE_ ULS	Combination	Max	-1846,665	198,722	2,083E-14	-1,481E-15
76	0,47625	ENVELOPE_ ULS	Combination	Max	-1834,546	239,239	2,391E-14	-1,481E-15
76	0,00000	ENVELOPE_ ULS	Combination	Min	-1994,666	141,839	8,073E-15	-3,985E-14
76	0,23812	ENVELOPE_ ULS	Combination	Min	-1982,546	167,692	1,124E-14	-3,985E-14
76	0,47625	ENVELOPE_ ULS	Combination	Min	-1970,427	192,855	1,432E-14	-3,985E-14
76	0,00000	SLS	Combination		-1438,124	108,251	5,002E-15	-2,948E-14
76	0,23812	SLS	Combination		-1429,146	138,967	7,309E-15	-2,948E-14
76	0,47625	SLS	Combination		-1420,169	168,665	9,553E-15	-2,948E-14
77	0,00000	USL1	Combination		-1970,427	274,297	1,919E-14	-4,705E-14
77	0,23812	USL1	Combination		-1958,307	313,440	2,219E-14	-4,705E-14
77	0,47625	USL1	Combination		-1946,188	351,208	2,510E-14	-4,705E-14
77	0,00000	ULS2	Combination		-1834,546	232,640	2,879E-14	-1,481E-15
77	0,23812	ULS2	Combination		-1822,426	257,112	3,178E-14	-1,481E-15
77	0,47625	ULS2	Combination		-1810,306	280,892	3,469E-14	-1,481E-15
77	0,00000	ENVELOPE_ ULS	Combination	Max	-1834,546	274,297	2,879E-14	-1,481E-15
77	0,23812	ENVELOPE_ ULS	Combination	Max	-1822,426	313,440	3,178E-14	-1,481E-15
77	0,47625	ENVELOPE_ ULS	Combination	Max	-1810,306	351,208	3,469E-14	-1,481E-15
77	0,00000	ENVELOPE_ ULS	Combination	Min	-1970,427	232,640	1,919E-14	-4,705E-14
77	0,23812	ENVELOPE_ ULS	Combination	Min	-1958,307	257,112	2,219E-14	-4,705E-14
77	0,47625	ENVELOPE_ ULS	Combination	Min	-1946,188	280,892	2,510E-14	-4,705E-14
77	0,00000	SLS	Combination		-1420,169	193,445	1,302E-14	-3,481E-14
77	0,23812	SLS	Combination		-1411,191	222,125	1,520E-14	-3,481E-14
77	0,47625	SLS	Combination		-1402,214	249,787	1,732E-14	-3,481E-14
78	0,00000	USL1	Combination		-1946,188	385,465	2,985E-14	-3,985E-14
78	0,23812	USL1	Combination		-1934,068	421,859	3,268E-14	-3,985E-14
78	0,47625	USL1	Combination		-1921,949	456,879	3,542E-14	-3,985E-14
78	0,00000	ULS2	Combination		-1810,306	319,679	3,944E-14	-1,481E-15
78	0,23812	ULS2	Combination		-1798,187	342,769	4,227E-14	-1,481E-15
78	0,47625	ULS2	Combination		-1786,067	365,167	4,502E-14	-1,481E-15

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
78	0,00000	ENVELOPE_ ULS	Combination	Max	-1810,306	385,465	3,944E-14	-1,481E-15
78	0,23812	ENVELOPE_ ULS	Combination	Max	-1798,187	421,859	4,227E-14	-1,481E-15
78	0,47625	ENVELOPE_ ULS	Combination	Max	-1786,067	456,879	4,502E-14	-1,481E-15
78	0,00000	ENVELOPE_ ULS	Combination	Min	-1946,188	319,679	2,985E-14	-3,985E-14
78	0,23812	ENVELOPE_ ULS	Combination	Min	-1934,068	342,769	3,268E-14	-3,985E-14
78	0,47625	ENVELOPE_ ULS	Combination	Min	-1921,949	365,167	3,542E-14	-3,985E-14
78	0,00000	SLS	Combination		-1402,214	274,002	2,069E-14	-2,948E-14
78	0,23812	SLS	Combination		-1393,236	300,646	2,275E-14	-2,948E-14
78	0,47625	SLS	Combination		-1384,259	326,272	2,474E-14	-2,948E-14

Table: Element Forces - Frames, Part 2 of 2

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
1	0,00000	USL1		9,008E-14	-1624,3100	1-1	0,00000
1	0,23812	USL1		1,174E-13	-1688,3127	1-1	0,23812
1	0,47625	USL1		1,448E-13	-1765,1491	1-1	0,47625
1	0,00000	ULS2		-5,842E-15	-1790,1720	1-1	0,00000
1	0,23812	ULS2		-5,913E-15	-1833,3913	1-1	0,23812
1	0,47625	ULS2		-5,983E-15	-1884,3979	1-1	0,47625
1	0,00000	ENVELOPE_ ULS	Max	9,008E-14	-1624,3100	1-1	0,00000
1	0,23812	ENVELOPE_ ULS	Max	1,174E-13	-1688,3127	1-1	0,23812
1	0,47625	ENVELOPE_ ULS	Max	1,448E-13	-1765,1491	1-1	0,47625
1	0,00000	ENVELOPE_ ULS	Min	-5,842E-15	-1790,1720	1-1	0,00000
1	0,23812	ENVELOPE_ ULS	Min	-5,913E-15	-1833,3913	1-1	0,23812
1	0,47625	ENVELOPE_ ULS	Min	-5,983E-15	-1884,3979	1-1	0,47625
1	0,00000	SLS		6,691E-14	-1154,0638	1-1	0,00000
1	0,23812	SLS		8,717E-14	-1201,7613	1-1	0,23812
1	0,47625	SLS		1,074E-13	-1258,8905	1-1	0,47625
2	0,00000	USL1		3,336E-14	-1971,7268	2-1	0,00000
2	0,57862	USL1		4,429E-14	-1439,4896	2-1	0,57862
2	1,15723	USL1		5,522E-14	-1012,8590	2-1	1,15723
2	0,00000	ULS2		4,582E-15	-2098,4649	2-1	0,00000
2	0,57862	ULS2		4,411E-15	-1577,6830	2-1	0,57862
2	1,15723	ULS2		4,241E-15	-1146,8696	2-1	1,15723
2	0,00000	ENVELOPE_ ULS	Max	3,336E-14	-1971,7268	2-1	0,00000
2	0,57862	ENVELOPE_ ULS	Max	4,429E-14	-1439,4896	2-1	0,57862
2	1,15723	ENVELOPE_ ULS	Max	5,522E-14	-1012,8590	2-1	1,15723
2	0,00000	ENVELOPE_ ULS	Min	4,582E-15	-2098,4649	2-1	0,00000
2	0,57862	ENVELOPE_ ULS	Min	4,411E-15	-1577,6830	2-1	0,57862
2	1,15723	ENVELOPE_ ULS	Min	4,241E-15	-1146,8696	2-1	1,15723
2	0,00000	SLS		2,456E-14	-1390,5198	2-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
2	0,57862	SLS		3,266E-14	-1006,6901	2-1	0,57862
2	1,15723	SLS		4,076E-14	-700,5384	2-1	1,15723
3	0,00000	USL1		5,220E-14	-1012,8590	3-1	0,00000
3	0,51232	USL1		5,205E-14	-718,2934	3-1	0,51232
3	1,02464	USL1		5,190E-14	-496,9339	3-1	1,02464
3	0,00000	ULS2		4,241E-15	-1146,8696	3-1	0,00000
3	0,51232	ULS2		4,089E-15	-836,8570	3-1	0,51232
3	1,02464	ULS2		3,938E-15	-590,2176	3-1	1,02464
3	0,00000	ENVELOPE_ ULS	Max	5,220E-14	-1012,8590	3-1	0,00000
3	0,51232	ENVELOPE_ ULS	Max	5,205E-14	-718,2934	3-1	0,51232
3	1,02464	ENVELOPE_ ULS	Max	5,190E-14	-496,9339	3-1	1,02464
3	0,00000	ENVELOPE_ ULS	Min	4,241E-15	-1146,8696	3-1	0,00000
3	0,51232	ENVELOPE_ ULS	Min	4,089E-15	-836,8570	3-1	0,51232
3	1,02464	ENVELOPE_ ULS	Min	3,938E-15	-590,2176	3-1	1,02464
3	0,00000	SLS		3,853E-14	-700,5384	3-1	0,00000
3	0,51232	SLS		3,842E-14	-490,6231	3-1	0,51232
3	1,02464	SLS		3,831E-14	-334,5040	3-1	1,02464
4	0,00000	USL1		3,259E-14	-496,9339	4-1	0,00000
4	0,49473	USL1		5,143E-14	-315,3927	4-1	0,49473
4	0,98945	USL1		7,027E-14	-193,0474	4-1	0,98945
4	0,00000	ULS2		3,816E-15	-590,2176	4-1	0,00000
4	0,49473	ULS2		3,670E-15	-379,7289	4-1	0,49473
4	0,98945	ULS2		3,524E-15	-221,3155	4-1	0,98945
4	0,00000	ENVELOPE_ ULS	Max	3,259E-14	-496,9339	4-1	0,00000
4	0,49473	ENVELOPE_ ULS	Max	5,143E-14	-315,3927	4-1	0,49473
4	0,98945	ENVELOPE_ ULS	Max	7,027E-14	-193,0474	4-1	0,98945
4	0,00000	ENVELOPE_ ULS	Min	3,816E-15	-590,2176	4-1	0,00000
4	0,49473	ENVELOPE_ ULS	Min	3,670E-15	-379,7289	4-1	0,49473
4	0,98945	ENVELOPE_ ULS	Min	3,524E-15	-221,3155	4-1	0,98945
4	0,00000	SLS		2,402E-14	-334,5040	4-1	0,00000
4	0,49473	SLS		3,797E-14	-208,0778	4-1	0,49473
4	0,98945	SLS		5,193E-14	-125,1019	4-1	0,98945
5	0,00000	USL1		5,089E-14	-193,0474	5-1	0,00000
5	0,49402	USL1		5,074E-14	-2,4908	5-1	0,49402
5	0,98804	USL1		5,060E-14	135,5237	5-1	0,98804
5	0,00000	ULS2		2,926E-15	-221,3155	5-1	0,00000
5	0,49402	ULS2		2,780E-15	-5,0412	5-1	0,49402
5	0,98804	ULS2		2,634E-15	164,0616	5-1	0,98804
5	0,00000	ENVELOPE_ ULS	Max	5,089E-14	-193,0474	5-1	0,00000
5	0,49402	ENVELOPE_ ULS	Max	5,074E-14	-2,4908	5-1	0,49402
5	0,98804	ENVELOPE_ ULS	Max	5,060E-14	164,0616	5-1	0,98804
5	0,00000	ENVELOPE_ ULS	Min	2,926E-15	-221,3155	5-1	0,00000
5	0,49402	ENVELOPE_ ULS	Min	2,780E-15	-5,0412	5-1	0,49402
5	0,98804	ENVELOPE_ ULS	Min	2,634E-15	135,5237	5-1	0,98804

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
5	0,00000	SLS		3,760E-14	-125,1019	5-1	0,00000
5	0,49402	SLS		3,749E-14	5,2992	5-1	0,49402
5	0,98804	SLS		3,739E-14	97,1550	5-1	0,98804
6	0,00000	USL1		6,903E-14	135,5237	6-1	0,00000
6	0,49382	USL1		7,836E-14	343,7533	6-1	0,49382
6	0,98763	USL1		8,768E-14	505,4306	6-1	0,98763
6	0,00000	ULS2		1,883E-15	164,0616	6-1	0,00000
6	0,49382	ULS2		1,737E-15	389,4229	6-1	0,49382
6	0,98763	ULS2		1,591E-15	572,3635	6-1	0,98763
6	0,00000	ENVELOPE_ ULS	Max	6,903E-14	164,0616	6-1	0,00000
6	0,49382	ENVELOPE_ ULS	Max	7,836E-14	389,4229	6-1	0,49382
6	0,98763	ENVELOPE_ ULS	Max	8,768E-14	572,3635	6-1	0,98763
6	0,00000	ENVELOPE_ ULS	Min	1,883E-15	135,5237	6-1	0,00000
6	0,49382	ENVELOPE_ ULS	Min	1,737E-15	343,7533	6-1	0,49382
6	0,98763	ENVELOPE_ ULS	Min	1,591E-15	505,4306	6-1	0,98763
6	0,00000	SLS		5,107E-14	97,1550	6-1	0,00000
6	0,49382	SLS		5,798E-14	238,0772	6-1	0,49382
6	0,98763	SLS		6,490E-14	344,8509	6-1	0,98763
7	0,00000	USL1		1,158E-13	505,4306	7-1	0,00000
7	0,52308	USL1		1,358E-13	517,0173	7-1	0,52308
7	1,04617	USL1		1,557E-13	482,9275	7-1	1,04617
7	0,00000	ULS2		7,383E-16	572,3635	7-1	0,00000
7	0,52308	ULS2		5,838E-16	589,3006	7-1	0,52308
7	1,04617	ULS2		4,294E-16	564,4580	7-1	1,04617
7	0,00000	ENVELOPE_ ULS	Max	1,158E-13	572,3635	7-1	0,00000
7	0,52308	ENVELOPE_ ULS	Max	1,358E-13	589,3006	7-1	0,52308
7	1,04617	ENVELOPE_ ULS	Max	1,557E-13	564,4580	7-1	1,04617
7	0,00000	ENVELOPE_ ULS	Min	7,383E-16	505,4306	7-1	0,00000
7	0,52308	ENVELOPE_ ULS	Min	5,838E-16	517,0173	7-1	0,52308
7	1,04617	ENVELOPE_ ULS	Min	4,294E-16	482,9275	7-1	1,04617
7	0,00000	SLS		8,579E-14	344,8509	7-1	0,00000
7	0,52308	SLS		1,005E-13	354,2760	7-1	0,52308
7	1,04617	SLS		1,153E-13	330,1788	7-1	1,04617
8	0,00000	USL1		1,338E-13	482,9275	8-1	0,00000
8	0,54165	USL1		1,232E-13	524,7421	8-1	0,54165
8	1,08329	USL1		1,127E-13	517,2956	8-1	1,08329
8	0,00000	ULS2		-4,923E-16	564,4580	8-1	0,00000
8	0,54165	ULS2		-6,522E-16	596,4506	8-1	0,54165
8	1,08329	ULS2		-8,121E-16	583,3604	8-1	1,08329
8	0,00000	ENVELOPE_ ULS	Max	1,338E-13	564,4580	8-1	0,00000
8	0,54165	ENVELOPE_ ULS	Max	1,232E-13	596,4506	8-1	0,54165
8	1,08329	ENVELOPE_ ULS	Max	1,127E-13	583,3604	8-1	1,08329
8	0,00000	ENVELOPE_ ULS	Min	-4,923E-16	482,9275	8-1	0,00000
8	0,54165	ENVELOPE_ ULS	Min	-6,522E-16	524,7421	8-1	0,54165

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
8	1,08329	ENVELOPE_	Min	-8,121E-16	517,2956	8-1	1,08329
		ULS					
8	0,00000	SLS		9,913E-14	330,1788	8-1	0,00000
8	0,54165	SLS		9,131E-14	360,0466	8-1	0,54165
8	1,08329	SLS		8,350E-14	353,7608	8-1	1,08329
9	0,00000	USL1		1,038E-13	517,2956	9-1	0,00000
9	0,49252	USL1		8,480E-14	360,2177	9-1	0,49252
9	0,98504	USL1		6,575E-14	156,2592	9-1	0,98504
9	0,00000	ULS2		-1,676E-15	583,3604	9-1	0,00000
9	0,49252	ULS2		-1,821E-15	404,7173	9-1	0,49252
9	0,98504	ULS2		-1,967E-15	183,3033	9-1	0,98504
9	0,00000	ENVELOPE_	Max	1,038E-13	583,3604	9-1	0,00000
		ULS					
9	0,49252	ENVELOPE_	Max	8,480E-14	404,7173	9-1	0,49252
		ULS					
9	0,98504	ENVELOPE_	Max	6,575E-14	183,3033	9-1	0,98504
		ULS					
9	0,00000	ENVELOPE_	Min	-1,676E-15	517,2956	9-1	0,00000
		ULS					
9	0,49252	ENVELOPE_	Min	-1,821E-15	360,2177	9-1	0,49252
		ULS					
9	0,98504	ENVELOPE_	Min	-1,967E-15	156,2592	9-1	0,98504
		ULS					
9	0,00000	SLS		7,697E-14	353,7608	9-1	0,00000
9	0,49252	SLS		6,287E-14	250,3832	9-1	0,49252
9	0,98504	SLS		4,877E-14	112,6138	9-1	0,98504
10	0,00000	USL1		5,485E-14	156,2592	10-1	0,00000
10	0,49197	USL1		3,582E-14	20,1024	10-1	0,49197
10	0,98394	USL1		1,680E-14	-168,9845	10-1	0,98394
10	0,00000	ULS2		-2,707E-15	183,3033	10-1	0,00000
10	0,49197	ULS2		-2,853E-15	15,8983	10-1	0,49197
10	0,98394	ULS2		-2,998E-15	-199,1109	10-1	0,98394
10	0,00000	ENVELOPE_	Max	5,485E-14	183,3033	10-1	0,00000
		ULS					
10	0,49197	ENVELOPE_	Max	3,582E-14	20,1024	10-1	0,49197
		ULS					
10	0,98394	ENVELOPE_	Max	1,680E-14	-168,9845	10-1	0,98394
		ULS					
10	0,00000	ENVELOPE_	Min	-2,707E-15	156,2592	10-1	0,00000
		ULS					
10	0,49197	ENVELOPE_	Min	-2,853E-15	15,8983	10-1	0,49197
		ULS					
10	0,98394	ENVELOPE_	Min	-2,998E-15	-199,1109	10-1	0,98394
		ULS					
10	0,00000	SLS		4,071E-14	112,6138	10-1	0,00000
10	0,49197	SLS		2,663E-14	22,1004	10-1	0,49197
10	0,98394	SLS		1,254E-14	-107,2477	10-1	0,98394
11	0,00000	USL1		1,561E-14	-168,9845	11-1	0,00000
11	0,49208	USL1		-6,006E-14	-294,4571	11-1	0,49208
11	0,98416	USL1		-1,357E-13	-479,5631	11-1	0,98416
11	0,00000	ULS2		-3,578E-15	-199,1109	11-1	0,00000
11	0,49208	ULS2		-3,724E-15	-360,5276	11-1	0,49208
11	0,98416	ULS2		-3,869E-15	-574,5331	11-1	0,98416
11	0,00000	ENVELOPE_	Max	1,561E-14	-168,9845	11-1	0,00000
		ULS					
11	0,49208	ENVELOPE_	Max	-3,724E-15	-294,4571	11-1	0,49208
		ULS					
11	0,98416	ENVELOPE_	Max	-3,869E-15	-479,5631	11-1	0,98416
		ULS					
11	0,00000	ENVELOPE_	Min	-3,578E-15	-199,1109	11-1	0,00000
		ULS					

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
11	0,49208	ENVELOPE_ ULS	Min	-6,006E-14	-360,5276	11-1	0,49208
11	0,98416	ENVELOPE_ ULS	Min	-1,357E-13	-574,5331	11-1	0,98416
11	0,00000	SLS		1,168E-14	-107,2477	11-1	0,00000
11	0,49208	SLS		-4,437E-14	-192,5447	11-1	0,49208
11	0,98416	SLS		-1,004E-13	-321,6201	11-1	0,98416
12	0,00000	USL1		-1,191E-13	-479,5631	12-1	0,00000
12	0,50938	USL1		-1,583E-13	-708,6176	12-1	0,50938
12	1,01876	USL1		-1,976E-13	-1011,3487	12-1	1,01876
12	0,00000	ULS2		-3,979E-15	-574,5331	12-1	0,00000
12	0,50938	ULS2		-4,129E-15	-828,5505	12-1	0,50938
12	1,01876	ULS2		-4,280E-15	-1146,5241	12-1	1,01876
12	0,00000	ENVELOPE_ ULS	Max	-3,979E-15	-479,5631	12-1	0,00000
12	0,50938	ENVELOPE_ ULS	Max	-4,129E-15	-708,6176	12-1	0,50938
12	1,01876	ENVELOPE_ ULS	Max	-4,280E-15	-1011,3487	12-1	1,01876
12	0,00000	ENVELOPE_ ULS	Min	-1,191E-13	-574,5331	12-1	0,00000
12	0,50938	ENVELOPE_ ULS	Min	-1,583E-13	-828,5505	12-1	0,50938
12	1,01876	ENVELOPE_ ULS	Min	-1,976E-13	-1146,5241	12-1	1,01876
12	0,00000	SLS		-8,809E-14	-321,6201	12-1	0,00000
12	0,50938	SLS		-1,171E-13	-483,3782	12-1	0,50938
12	1,01876	SLS		-1,462E-13	-699,2858	12-1	1,01876
13	0,00000	USL1		-2,537E-13	-1011,3487	13-1	0,00000
13	0,56894	USL1		-3,412E-13	-1442,3044	13-1	0,56894
13	1,13787	USL1		-4,287E-13	-1976,9943	13-1	1,13787
13	0,00000	ULS2		-4,280E-15	-1146,5241	13-1	0,00000
13	0,56894	ULS2		-4,448E-15	-1581,6167	13-1	0,56894
13	1,13787	ULS2		-4,616E-15	-2105,3240	13-1	1,13787
13	0,00000	ENVELOPE_ ULS	Max	-4,280E-15	-1011,3487	13-1	0,00000
13	0,56894	ENVELOPE_ ULS	Max	-4,448E-15	-1442,3044	13-1	0,56894
13	1,13787	ENVELOPE_ ULS	Max	-4,616E-15	-1976,9943	13-1	1,13787
13	0,00000	ENVELOPE_ ULS	Min	-2,537E-13	-1146,5241	13-1	0,00000
13	0,56894	ENVELOPE_ ULS	Min	-3,412E-13	-1581,6167	13-1	0,56894
13	1,13787	ENVELOPE_ ULS	Min	-4,287E-13	-2105,3240	13-1	1,13787
13	0,00000	SLS		-1,878E-13	-699,2858	13-1	0,00000
13	0,56894	SLS		-2,526E-13	-1008,6967	13-1	0,56894
13	1,13787	SLS		-3,174E-13	-1394,4166	13-1	1,13787
17	0,00000	USL1		4,101E-14	-140,3436	17-1	0,00000
17	0,38282	USL1		7,046E-14	-44,7170	17-1	0,38282
17	0,00000	ULS2		-2,374E-14	-109,8749	17-1	0,00000
17	0,38282	ULS2		-1,265E-14	-39,7051	17-1	0,38282
17	0,00000	ENVELOPE_ ULS	Max	4,101E-14	-109,8749	17-1	0,00000
17	0,38282	ENVELOPE_ ULS	Max	7,046E-14	-39,7051	17-1	0,38282
17	0,00000	ENVELOPE_ ULS	Min	-2,374E-14	-140,3436	17-1	0,00000
17	0,38282	ENVELOPE_ ULS	Min	-1,265E-14	-44,7170	17-1	0,38282
17	0,00000	SLS		3,083E-14	-102,4566	17-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
17	0,38282	SLS		5,252E-14	-32,1277	17-1	0,38282
26	0,00000	USL1		-1,305E-14	-892,9942	26-1	0,00000
26	0,23812	USL1		2,207E-15	-728,2071	26-1	0,23812
26	0,47625	USL1		1,746E-14	-576,9082	26-1	0,47625
26	0,00000	ULS2		-1,544E-14	-959,5832	26-1	0,00000
26	0,23812	ULS2		-1,390E-14	-791,5984	26-1	0,23812
26	0,47625	ULS2		-1,235E-14	-631,7300	26-1	0,47625
26	0,00000	ENVELOPE_ ULS	Max	-1,305E-14	-892,9942	26-1	0,00000
26	0,23812	ENVELOPE_ ULS	Max	2,207E-15	-728,2071	26-1	0,23812
26	0,47625	ENVELOPE_ ULS	Max	1,746E-14	-576,9082	26-1	0,47625
26	0,00000	ENVELOPE_ ULS	Min	-1,544E-14	-959,5832	26-1	0,00000
26	0,23812	ENVELOPE_ ULS	Min	-1,390E-14	-791,5984	26-1	0,23812
26	0,47625	ENVELOPE_ ULS	Min	-1,235E-14	-631,7300	26-1	0,47625
26	0,00000	SLS		-9,258E-15	-636,3284	26-1	0,00000
26	0,23812	SLS		2,004E-15	-518,6004	26-1	0,23812
26	0,47625	SLS		1,327E-14	-410,7889	26-1	0,47625
33	0,00000	USL1		6,049E-14	-44,7170	33-1	0,00000
33	0,38282	USL1		6,344E-14	-16,9245	33-1	0,38282
33	0,00000	ULS2		-1,265E-14	-39,7051	33-1	0,00000
33	0,38282	ULS2		-9,699E-15	-35,9236	33-1	0,38282
33	0,00000	ENVELOPE_ ULS	Max	6,049E-14	-39,7051	33-1	0,00000
33	0,38282	ENVELOPE_ ULS	Max	6,344E-14	-16,9245	33-1	0,38282
33	0,00000	ENVELOPE_ ULS	Min	-1,265E-14	-44,7170	33-1	0,00000
33	0,38282	ENVELOPE_ ULS	Min	-9,699E-15	-35,9236	33-1	0,38282
33	0,00000	SLS		4,514E-14	-32,1277	33-1	0,00000
33	0,38282	SLS		4,737E-14	-10,7394	33-1	0,38282
37	0,00000	USL1		-1,499E-13	-568,5723	37-1	0,00000
37	0,23812	USL1		-1,685E-13	-718,1034	37-1	0,23812
37	0,47625	USL1		-1,881E-13	-880,7186	37-1	0,47625
37	0,00000	ULS2		-7,316E-14	-623,6786	37-1	0,00000
37	0,23812	ULS2		-9,181E-14	-781,9520	37-1	0,23812
37	0,47625	ULS2		-1,114E-13	-947,9378	37-1	0,47625
37	0,00000	ENVELOPE_ ULS	Max	-7,316E-14	-568,5723	37-1	0,00000
37	0,23812	ENVELOPE_ ULS	Max	-9,181E-14	-718,1034	37-1	0,23812
37	0,47625	ENVELOPE_ ULS	Max	-1,114E-13	-880,7186	37-1	0,47625
37	0,00000	ENVELOPE_ ULS	Min	-1,499E-13	-623,6786	37-1	0,00000
37	0,23812	ENVELOPE_ ULS	Min	-1,685E-13	-781,9520	37-1	0,23812
37	0,47625	ENVELOPE_ ULS	Min	-1,881E-13	-947,9378	37-1	0,47625
37	0,00000	SLS		-1,091E-13	-404,6267	37-1	0,00000
37	0,23812	SLS		-1,224E-13	-511,1287	37-1	0,23812
37	0,47625	SLS		-1,364E-13	-627,2476	37-1	0,47625
38	0,00000	USL1		-2,944E-13	-1747,0342	38-1	0,00000
38	0,23812	USL1		-2,786E-13	-1666,2040	38-1	0,23812
38	0,47625	USL1		-2,637E-13	-1597,8033	38-1	0,47625
38	0,00000	ULS2		-2,225E-13	-1865,7059	38-1	0,00000
38	0,23812	ULS2		-2,158E-13	-1810,5872	38-1	0,23812

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
38	0,47625	ULS2		-2,100E-13	-1762,8515	38-1	0,47625
38	0,00000	ENVELOPE_ ULS	Max	-2,225E-13	-1747,0342	38-1	0,00000
38	0,23812	ENVELOPE_ ULS	Max	-2,158E-13	-1666,2040	38-1	0,23812
38	0,47625	ENVELOPE_ ULS	Max	-2,100E-13	-1597,8033	38-1	0,47625
38	0,00000	ENVELOPE_ ULS	Min	-2,944E-13	-1865,7059	38-1	0,00000
38	0,23812	ENVELOPE_ ULS	Min	-2,786E-13	-1810,5872	38-1	0,23812
38	0,47625	ENVELOPE_ ULS	Min	-2,637E-13	-1762,8515	38-1	0,47625
38	0,00000	SLS		-2,123E-13	-1245,5146	38-1	0,00000
38	0,23812	SLS		-2,006E-13	-1185,4239	38-1	0,23812
38	0,47625	SLS		-1,895E-13	-1134,4654	38-1	0,47625
39	0,00000	USL1		-6,276E-14	172,1019	39-1	0,00000
39	1,04715	USL1		-1,228E-13	-357,3083	39-1	1,04715
39	2,09431	USL1		-1,803E-13	-866,3156	39-1	2,09431
39	0,00000	ULS2		2,117E-14	148,5235	39-1	0,00000
39	1,04715	ULS2		-4,890E-14	-394,8237	39-1	1,04715
39	2,09431	ULS2		-1,165E-13	-917,7681	39-1	2,09431
39	0,00000	ENVELOPE_ ULS	Max	2,117E-14	172,1019	39-1	0,00000
39	1,04715	ENVELOPE_ ULS	Max	-4,890E-14	-357,3083	39-1	1,04715
39	2,09431	ENVELOPE_ ULS	Max	-1,165E-13	-866,3156	39-1	2,09431
39	0,00000	ENVELOPE_ ULS	Min	-6,276E-14	148,5235	39-1	0,00000
39	1,04715	ENVELOPE_ ULS	Min	-1,228E-13	-394,8237	39-1	1,04715
39	2,09431	ENVELOPE_ ULS	Min	-1,803E-13	-917,7681	39-1	2,09431
39	0,00000	SLS		-4,688E-14	125,1334	39-1	0,00000
39	1,04715	SLS		-8,966E-14	-254,1234	39-1	1,04715
39	2,09431	SLS		-1,306E-13	-618,2669	39-1	2,09431
40	0,00000	USL1		-1,106E-13	144,0504	40-1	0,00000
40	1,03322	USL1		-2,028E-13	-373,8659	40-1	1,03322
40	2,06644	USL1		-2,927E-13	-872,1549	40-1	2,06644
40	0,00000	ULS2		1,410E-14	123,4632	40-1	0,00000
40	1,03322	ULS2		-5,832E-14	-410,4894	40-1	1,03322
40	2,06644	ULS2		-1,283E-13	-924,8147	40-1	2,06644
40	0,00000	ENVELOPE_ ULS	Max	1,410E-14	144,0504	40-1	0,00000
40	1,03322	ENVELOPE_ ULS	Max	-5,832E-14	-373,8659	40-1	1,03322
40	2,06644	ENVELOPE_ ULS	Max	-1,283E-13	-872,1549	40-1	2,06644
40	0,00000	ENVELOPE_ ULS	Min	-1,106E-13	123,4632	40-1	0,00000
40	1,03322	ENVELOPE_ ULS	Min	-2,028E-13	-410,4894	40-1	1,03322
40	2,06644	ENVELOPE_ ULS	Min	-2,927E-13	-924,8147	40-1	2,06644
40	0,00000	SLS		-8,212E-14	104,8234	40-1	0,00000
40	1,03322	SLS		-1,487E-13	-266,1387	40-1	1,03322
40	2,06644	SLS		-2,136E-13	-622,5622	40-1	2,06644
41	0,00000	USL1		5,925E-14	-16,9245	41-1	0,00000
41	0,36365	USL1		6,136E-14	-54,1175	41-1	0,36365
41	0,00000	ULS2		-9,699E-15	-35,9236	41-1	0,00000
41	0,36365	ULS2		-1,456E-14	-94,8991	41-1	0,36365

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
41	0,00000	ENVELOPE_ ULS	Max	5,925E-14	-16,9245	41-1	0,00000
41	0,36365	ENVELOPE_ ULS	Max	6,136E-14	-54,1175	41-1	0,36365
41	0,00000	ENVELOPE_ ULS	Min	-9,699E-15	-35,9236	41-1	0,00000
41	0,36365	ENVELOPE_ ULS	Min	-1,456E-14	-94,8991	41-1	0,36365
41	0,00000	SLS		4,426E-14	-10,7394	41-1	0,00000
41	0,36365	SLS		4,601E-14	-36,3055	41-1	0,36365
42	0,00000	USL1		5,499E-14	-54,1175	42-1	0,00000
42	0,36365	USL1		4,863E-14	-154,0982	42-1	0,36365
42	0,00000	ULS2		-1,456E-14	-94,8991	42-1	0,00000
42	0,36365	ULS2		-2,702E-14	-215,9806	42-1	0,36365
42	0,00000	ENVELOPE_ ULS	Max	5,499E-14	-54,1175	42-1	0,00000
42	0,36365	ENVELOPE_ ULS	Max	4,863E-14	-154,0982	42-1	0,36365
42	0,00000	ENVELOPE_ ULS	Min	-1,456E-14	-94,8991	42-1	0,00000
42	0,36365	ENVELOPE_ ULS	Min	-2,702E-14	-215,9806	42-1	0,36365
42	0,00000	SLS		4,129E-14	-36,3055	42-1	0,00000
42	0,36365	SLS		3,692E-14	-107,1754	42-1	0,36365
43	0,00000	USL1		1,963E-13	-10,0479	43-1	0,00000
43	0,25031	USL1		2,094E-13	108,5074	43-1	0,25031
43	0,50061	USL1		2,219E-13	215,8234	43-1	0,50061
43	0,00000	ULS2		-1,468E-14	-92,5174	43-1	0,00000
43	0,25031	ULS2		1,353E-15	39,0194	43-1	0,25031
43	0,50061	ULS2		1,686E-14	166,2736	43-1	0,50061
43	0,00000	ENVELOPE_ ULS	Max	1,963E-13	-10,0479	43-1	0,00000
43	0,25031	ENVELOPE_ ULS	Max	2,094E-13	108,5074	43-1	0,25031
43	0,50061	ENVELOPE_ ULS	Max	2,219E-13	215,8234	43-1	0,50061
43	0,00000	ENVELOPE_ ULS	Min	-1,468E-14	-92,5174	43-1	0,00000
43	0,25031	ENVELOPE_ ULS	Min	1,353E-15	39,0194	43-1	0,25031
43	0,50061	ENVELOPE_ ULS	Min	1,686E-14	166,2736	43-1	0,50061
43	0,00000	SLS		1,462E-13	-2,3520	43-1	0,00000
43	0,25031	SLS		1,554E-13	81,8644	43-1	0,25031
43	0,50061	SLS		1,642E-13	157,7552	43-1	0,50061
44	0,00000	USL1		2,231E-13	215,8234	44-1	0,00000
44	0,25031	USL1		2,364E-13	285,2974	44-1	0,25031
44	0,50061	USL1		2,491E-13	343,1241	44-1	0,50061
44	0,00000	ULS2		1,686E-14	166,2736	44-1	0,00000
44	0,25031	ULS2		2,773E-14	255,6488	44-1	0,25031
44	0,50061	ULS2		3,806E-14	340,5787	44-1	0,50061
44	0,00000	ENVELOPE_ ULS	Max	2,231E-13	215,8234	44-1	0,00000
44	0,25031	ENVELOPE_ ULS	Max	2,364E-13	285,2974	44-1	0,25031
44	0,50061	ENVELOPE_ ULS	Max	2,491E-13	343,1241	44-1	0,50061
44	0,00000	ENVELOPE_ ULS	Min	1,686E-14	166,2736	44-1	0,00000
44	0,25031	ENVELOPE_ ULS	Min	2,773E-14	255,6488	44-1	0,25031

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
44	0,50061	ENVELOPE_ ULS	Min	3,806E-14	340,5787	44-1	0,50061
44	0,00000	SLS		1,651E-13	157,7552	44-1	0,00000
44	0,25031	SLS		1,746E-13	206,2235	44-1	0,25031
44	0,50061	SLS		1,836E-13	246,0640	44-1	0,50061
45	0,00000	USL1		2,501E-13	343,1241	45-1	0,00000
45	0,24951	USL1		2,616E-13	425,8910	45-1	0,24951
45	0,49901	USL1		2,728E-13	498,2886	45-1	0,49901
45	0,00000	ULS2		3,912E-14	340,5787	45-1	0,00000
45	0,24951	ULS2		5,060E-14	434,9664	45-1	0,24951
45	0,49901	ULS2		6,172E-14	526,3594	45-1	0,49901
45	0,00000	ENVELOPE_ ULS	Max	2,501E-13	343,1241	45-1	0,00000
45	0,24951	ENVELOPE_ ULS	Max	2,616E-13	434,9664	45-1	0,24951
45	0,49901	ENVELOPE_ ULS	Max	2,728E-13	526,3594	45-1	0,49901
45	0,00000	ENVELOPE_ ULS	Min	3,912E-14	340,5787	45-1	0,00000
45	0,24951	ENVELOPE_ ULS	Min	5,060E-14	425,8910	45-1	0,24951
45	0,49901	ENVELOPE_ ULS	Min	6,172E-14	498,2886	45-1	0,49901
45	0,00000	SLS		1,844E-13	246,0640	45-1	0,00000
45	0,24951	SLS		1,925E-13	304,3916	45-1	0,24951
45	0,49901	SLS		2,004E-13	355,0383	45-1	0,49901
46	0,00000	USL1		3,015E-13	498,2886	46-1	0,00000
46	0,24951	USL1		2,886E-13	530,9338	46-1	0,24951
46	0,49901	USL1		2,752E-13	552,9187	46-1	0,49901
46	0,00000	ULS2		6,172E-14	526,3594	46-1	0,00000
46	0,24951	ULS2		6,791E-14	577,4902	46-1	0,24951
46	0,49901	ULS2		7,372E-14	625,5285	46-1	0,49901
46	0,00000	ENVELOPE_ ULS	Max	3,015E-13	526,3594	46-1	0,00000
46	0,24951	ENVELOPE_ ULS	Max	2,886E-13	577,4902	46-1	0,24951
46	0,49901	ENVELOPE_ ULS	Max	2,752E-13	625,5285	46-1	0,49901
46	0,00000	ENVELOPE_ ULS	Min	6,172E-14	498,2886	46-1	0,00000
46	0,24951	ENVELOPE_ ULS	Min	6,791E-14	530,9338	46-1	0,24951
46	0,49901	ENVELOPE_ ULS	Min	7,372E-14	552,9187	46-1	0,49901
46	0,00000	SLS		2,217E-13	355,0383	46-1	0,00000
46	0,24951	SLS		2,118E-13	376,9027	46-1	0,24951
46	0,49901	SLS		2,017E-13	390,8706	46-1	0,49901
47	0,00000	USL1		2,765E-13	552,9187	47-1	0,00000
47	0,24961	USL1		2,693E-13	607,1138	47-1	0,24961
47	0,49922	USL1		2,620E-13	652,4040	47-1	0,49922
47	0,00000	ULS2		7,505E-14	625,5285	47-1	0,00000
47	0,24961	ULS2		8,224E-14	684,8911	47-1	0,24961
47	0,49922	ULS2		8,930E-14	743,0786	47-1	0,49922
47	0,00000	ENVELOPE_ ULS	Max	2,765E-13	625,5285	47-1	0,00000
47	0,24961	ENVELOPE_ ULS	Max	2,693E-13	684,8911	47-1	0,24961
47	0,49922	ENVELOPE_ ULS	Max	2,620E-13	743,0786	47-1	0,49922
47	0,00000	ENVELOPE_ ULS	Min	7,505E-14	552,9187	47-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
47	0,24961	ENVELOPE_ ULS	Min	8,224E-14	607,1138	47-1	0,24961
47	0,49922	ENVELOPE_ ULS	Min	8,930E-14	652,4040	47-1	0,49922
47	0,00000	SLS		2,026E-13	390,8706	47-1	0,00000
47	0,24961	SLS		1,970E-13	428,9160	47-1	0,24961
47	0,49922	SLS		1,913E-13	460,3651	47-1	0,49922
48	0,00000	USL1		2,428E-13	652,4040	48-1	0,00000
48	0,24961	USL1		2,352E-13	657,1574	48-1	0,24961
48	0,49922	USL1		2,274E-13	652,8509	48-1	0,49922
48	0,00000	ULS2		8,930E-14	743,0786	48-1	0,00000
48	0,24961	ULS2		9,127E-14	759,8353	48-1	0,24961
48	0,49922	ULS2		9,310E-14	775,3796	48-1	0,49922
48	0,00000	ENVELOPE_ ULS	Max	2,428E-13	743,0786	48-1	0,00000
48	0,24961	ENVELOPE_ ULS	Max	2,352E-13	759,8353	48-1	0,24961
48	0,49922	ENVELOPE_ ULS	Max	2,274E-13	775,3796	48-1	0,49922
48	0,00000	ENVELOPE_ ULS	Min	8,930E-14	652,4040	48-1	0,00000
48	0,24961	ENVELOPE_ ULS	Min	9,127E-14	657,1574	48-1	0,24961
48	0,49922	ENVELOPE_ ULS	Min	9,310E-14	652,8509	48-1	0,49922
48	0,00000	SLS		1,771E-13	460,3651	48-1	0,00000
48	0,24961	SLS		1,713E-13	462,4924	48-1	0,24961
48	0,49922	SLS		1,654E-13	457,9087	48-1	0,49922
49	0,00000	USL1		2,288E-13	652,8509	49-1	0,00000
49	0,26085	USL1		2,124E-13	686,4726	49-1	0,26085
49	0,52170	USL1		1,961E-13	712,4144	49-1	0,52170
49	0,00000	ULS2		9,454E-14	775,3796	49-1	0,00000
49	0,26085	ULS2		9,815E-14	805,4523	49-1	0,26085
49	0,52170	ULS2		1,019E-13	836,5025	49-1	0,52170
49	0,00000	ENVELOPE_ ULS	Max	2,288E-13	775,3796	49-1	0,00000
49	0,26085	ENVELOPE_ ULS	Max	2,124E-13	805,4523	49-1	0,26085
49	0,52170	ENVELOPE_ ULS	Max	1,961E-13	836,5025	49-1	0,52170
49	0,00000	ENVELOPE_ ULS	Min	9,454E-14	652,8509	49-1	0,00000
49	0,26085	ENVELOPE_ ULS	Min	9,815E-14	686,4726	49-1	0,26085
49	0,52170	ENVELOPE_ ULS	Min	1,019E-13	712,4144	49-1	0,52170
49	0,00000	SLS		1,664E-13	457,9087	49-1	0,00000
49	0,26085	SLS		1,541E-13	481,7903	49-1	0,26085
49	0,52170	SLS		1,419E-13	499,9831	49-1	0,52170
50	0,00000	USL1		1,498E-13	712,4144	50-1	0,00000
50	0,26085	USL1		1,383E-13	696,4419	50-1	0,26085
50	0,52170	USL1		1,269E-13	672,7289	50-1	0,52170
50	0,00000	ULS2		1,019E-13	836,5025	50-1	0,00000
50	0,26085	ULS2		1,004E-13	824,8757	50-1	0,26085
50	0,52170	ULS2		9,899E-14	814,2120	50-1	0,52170
50	0,00000	ENVELOPE_ ULS	Max	1,498E-13	836,5025	50-1	0,00000
50	0,26085	ENVELOPE_ ULS	Max	1,383E-13	824,8757	50-1	0,26085
50	0,52170	ENVELOPE_ ULS	Max	1,269E-13	814,2120	50-1	0,52170

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
50	0,00000	ENVELOPE_ ULS	Min	1,019E-13	712,4144	50-1	0,00000
50	0,26085	ENVELOPE_ ULS	Min	1,004E-13	696,4419	50-1	0,26085
50	0,52170	ENVELOPE_ ULS	Min	9,899E-14	672,7289	50-1	0,52170
50	0,00000	SLS		1,076E-13	499,9831	50-1	0,00000
50	0,26085	SLS		9,906E-14	487,8842	50-1	0,26085
50	0,52170	SLS		9,059E-14	470,0516	50-1	0,52170
51	0,00000	USL1		1,196E-13	672,7289	51-1	0,00000
51	0,25154	USL1		9,186E-14	694,5666	51-1	0,25154
51	0,50307	USL1		6,421E-14	709,2943	51-1	0,50307
51	0,00000	ULS2		1,005E-13	814,2120	51-1	0,00000
51	0,25154	ULS2		1,016E-13	824,4271	51-1	0,25154
51	0,50307	ULS2		1,029E-13	835,6253	51-1	0,50307
51	0,00000	ENVELOPE_ ULS	Max	1,196E-13	814,2120	51-1	0,00000
51	0,25154	ENVELOPE_ ULS	Max	1,016E-13	824,4271	51-1	0,25154
51	0,50307	ENVELOPE_ ULS	Max	1,029E-13	835,6253	51-1	0,50307
51	0,00000	ENVELOPE_ ULS	Min	1,005E-13	672,7289	51-1	0,00000
51	0,25154	ENVELOPE_ ULS	Min	9,186E-14	694,5666	51-1	0,25154
51	0,50307	ENVELOPE_ ULS	Min	6,421E-14	709,2943	51-1	0,50307
51	0,00000	SLS		8,514E-14	470,0516	51-1	0,00000
51	0,25154	SLS		6,460E-14	486,4566	51-1	0,25154
51	0,50307	SLS		4,414E-14	497,5950	51-1	0,50307
52	0,00000	USL1		7,415E-14	709,2943	52-1	0,00000
52	0,25154	USL1		5,110E-14	683,8787	52-1	0,25154
52	0,50307	USL1		2,818E-14	651,4088	52-1	0,50307
52	0,00000	ULS2		1,029E-13	835,6253	52-1	0,00000
52	0,25154	ULS2		9,918E-14	805,6371	52-1	0,25154
52	0,50307	ULS2		9,556E-14	776,6450	52-1	0,50307
52	0,00000	ENVELOPE_ ULS	Max	1,029E-13	835,6253	52-1	0,00000
52	0,25154	ENVELOPE_ ULS	Max	9,918E-14	805,6371	52-1	0,25154
52	0,50307	ENVELOPE_ ULS	Max	9,556E-14	776,6450	52-1	0,50307
52	0,00000	ENVELOPE_ ULS	Min	7,415E-14	709,2943	52-1	0,00000
52	0,25154	ENVELOPE_ ULS	Min	5,110E-14	683,8787	52-1	0,25154
52	0,50307	ENVELOPE_ ULS	Min	2,818E-14	651,4088	52-1	0,50307
52	0,00000	SLS		5,151E-14	497,5950	52-1	0,00000
52	0,25154	SLS		3,455E-14	479,7264	52-1	0,25154
52	0,50307	SLS		1,769E-14	456,6323	52-1	0,50307
53	0,00000	USL1		2,023E-14	651,4088	53-1	0,00000
53	0,25024	USL1		8,604E-15	655,1323	53-1	0,25024
53	0,50047	USL1		-3,147E-15	649,9634	53-1	0,50047
53	0,00000	ULS2		9,697E-14	776,6450	53-1	0,00000
53	0,25024	ULS2		9,494E-14	760,7064	53-1	0,25024
53	0,50047	ULS2		9,279E-14	743,7624	53-1	0,50047
53	0,00000	ENVELOPE_ ULS	Max	9,697E-14	776,6450	53-1	0,00000
53	0,25024	ENVELOPE_ ULS	Max	9,494E-14	760,7064	53-1	0,25024

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
53	0,50047	ENVELOPE_ ULS	Max	9,279E-14	743,7624	53-1	0,50047
53	0,00000	ENVELOPE_ ULS	Min	2,023E-14	651,4088	53-1	0,00000
53	0,25024	ENVELOPE_ ULS	Min	8,604E-15	655,1323	53-1	0,25024
53	0,50047	ENVELOPE_ ULS	Min	-3,147E-15	649,9634	53-1	0,50047
53	0,00000	SLS		1,176E-14	456,6323	53-1	0,00000
53	0,25024	SLS		3,316E-15	460,7668	53-1	0,25024
53	0,50047	SLS		-5,217E-15	458,3142	53-1	0,50047
54	0,00000	USL1		-1,272E-14	649,9634	54-1	0,00000
54	0,25024	USL1		-4,877E-14	604,0995	54-1	0,25024
54	0,50047	USL1		-8,494E-14	549,4981	54-1	0,50047
54	0,00000	ULS2		9,279E-14	743,7624	54-1	0,00000
54	0,25024	ULS2		8,555E-14	685,2111	54-1	0,25024
54	0,50047	ULS2		7,819E-14	625,6909	54-1	0,50047
54	0,00000	ENVELOPE_ ULS	Max	9,279E-14	743,7624	54-1	0,00000
54	0,25024	ENVELOPE_ ULS	Max	8,555E-14	685,2111	54-1	0,25024
54	0,50047	ENVELOPE_ ULS	Max	7,819E-14	625,6909	54-1	0,50047
54	0,00000	ENVELOPE_ ULS	Min	-1,272E-14	649,9634	54-1	0,00000
54	0,25024	ENVELOPE_ ULS	Min	-4,877E-14	604,0995	54-1	0,25024
54	0,50047	ENVELOPE_ ULS	Min	-8,494E-14	549,4981	54-1	0,50047
54	0,00000	SLS		-1,231E-14	458,3142	54-1	0,00000
54	0,25024	SLS		-3,875E-14	426,4246	54-1	0,25024
54	0,50047	SLS		-6,529E-14	388,0629	54-1	0,50047
55	0,00000	USL1		-1,027E-13	549,4981	55-1	0,00000
55	0,25051	USL1		-1,182E-13	528,2209	55-1	0,25051
55	0,50102	USL1		-1,340E-13	496,4844	55-1	0,50102
55	0,00000	ULS2		7,952E-14	625,6909	55-1	0,00000
55	0,25051	ULS2		7,365E-14	578,3523	55-1	0,25051
55	0,50102	ULS2		6,743E-14	528,1835	55-1	0,50102
55	0,00000	ENVELOPE_ ULS	Max	7,952E-14	625,6909	55-1	0,00000
55	0,25051	ENVELOPE_ ULS	Max	7,365E-14	578,3523	55-1	0,25051
55	0,50102	ENVELOPE_ ULS	Max	6,743E-14	528,1835	55-1	0,50102
55	0,00000	ENVELOPE_ ULS	Min	-1,027E-13	549,4981	55-1	0,00000
55	0,25051	ENVELOPE_ ULS	Min	-1,182E-13	528,2209	55-1	0,25051
55	0,50102	ENVELOPE_ ULS	Min	-1,340E-13	496,4844	55-1	0,50102
55	0,00000	SLS		-7,851E-14	388,0629	55-1	0,00000
55	0,25051	SLS		-8,970E-14	374,6133	55-1	0,25051
55	0,50102	SLS		-1,011E-13	353,4161	55-1	0,50102
56	0,00000	USL1		-1,340E-13	496,4844	56-1	0,00000
56	0,25051	USL1		-1,356E-13	424,7131	56-1	0,25051
56	0,50102	USL1		-1,375E-13	342,7748	56-1	0,50102
56	0,00000	ULS2		6,743E-14	528,1835	56-1	0,00000
56	0,25051	ULS2		5,625E-14	437,4433	56-1	0,25051
56	0,50102	ULS2		4,472E-14	343,9704	56-1	0,50102
56	0,00000	ENVELOPE_ ULS	Max	6,743E-14	528,1835	56-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
56	0,25051	ENVELOPE_ ULS	Max	5,625E-14	437,4433	56-1	0,25051
56	0,50102	ENVELOPE_ ULS	Max	4,472E-14	343,9704	56-1	0,50102
56	0,00000	ENVELOPE_ ULS	Min	-1,340E-13	496,4844	56-1	0,00000
56	0,25051	ENVELOPE_ ULS	Min	-1,356E-13	424,7131	56-1	0,25051
56	0,50102	ENVELOPE_ ULS	Min	-1,375E-13	342,7748	56-1	0,50102
56	0,00000	SLS		-1,011E-13	353,4161	56-1	0,00000
56	0,25051	SLS		-1,019E-13	303,2309	56-1	0,25051
56	0,50102	SLS		-1,030E-13	245,5145	56-1	0,50102
57	0,00000	USL1		-1,363E-13	342,7748	57-1	0,00000
57	0,25080	USL1		-1,455E-13	297,8819	57-1	0,25080
57	0,50160	USL1		-1,552E-13	241,4106	57-1	0,50160
57	0,00000	ULS2		4,594E-14	343,9704	57-1	0,00000
57	0,25080	ULS2		3,676E-14	269,5913	57-1	0,25080
57	0,50160	ULS2		2,704E-14	190,8646	57-1	0,50160
57	0,00000	ENVELOPE_ ULS	Max	4,594E-14	343,9704	57-1	0,00000
57	0,25080	ENVELOPE_ ULS	Max	3,676E-14	297,8819	57-1	0,25080
57	0,50160	ENVELOPE_ ULS	Max	2,704E-14	241,4106	57-1	0,50160
57	0,00000	ENVELOPE_ ULS	Min	-1,363E-13	342,7748	57-1	0,00000
57	0,25080	ENVELOPE_ ULS	Min	-1,455E-13	269,5913	57-1	0,25080
57	0,50160	ENVELOPE_ ULS	Min	-1,552E-13	190,8646	57-1	0,50160
57	0,00000	SLS		-1,021E-13	245,5145	57-1	0,00000
57	0,25080	SLS		-1,086E-13	215,1362	57-1	0,25080
57	0,50160	SLS		-1,154E-13	176,1813	57-1	0,50160
58	0,00000	USL1		-1,456E-13	241,4106	58-1	0,00000
58	0,25080	USL1		-1,311E-13	147,3547	58-1	0,25080
58	0,50160	USL1		-1,170E-13	42,1343	58-1	0,50160
58	0,00000	ULS2		2,704E-14	190,8646	58-1	0,00000
58	0,25080	ULS2		1,273E-14	74,6421	58-1	0,25080
58	0,50160	ULS2		-2,085E-15	-45,7605	58-1	0,50160
58	0,00000	ENVELOPE_ ULS	Max	2,704E-14	241,4106	58-1	0,00000
58	0,25080	ENVELOPE_ ULS	Max	1,273E-14	147,3547	58-1	0,25080
58	0,50160	ENVELOPE_ ULS	Max	-2,085E-15	42,1343	58-1	0,50160
58	0,00000	ENVELOPE_ ULS	Min	-1,456E-13	190,8646	58-1	0,00000
58	0,25080	ENVELOPE_ ULS	Min	-1,311E-13	74,6421	58-1	0,25080
58	0,50160	ENVELOPE_ ULS	Min	-1,170E-13	-45,7605	58-1	0,50160
58	0,00000	SLS		-1,083E-13	176,1813	58-1	0,00000
58	0,25080	SLS		-9,709E-14	109,9814	58-1	0,25080
58	0,50160	SLS		-8,626E-14	35,5116	58-1	0,50160
59	0,00000	USL1		-7,116E-14	-129,9676	59-1	0,00000
59	0,38282	USL1		-4,062E-14	-31,9169	59-1	0,38282
59	0,00000	ULS2		-2,320E-14	-194,2840	59-1	0,00000
59	0,38282	ULS2		-7,347E-15	-74,4962	59-1	0,38282
59	0,00000	ENVELOPE_ ULS	Max	-2,320E-14	-129,9676	59-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
59	0,38282	ENVELOPE_ ULS	Max	-7,347E-15	-31,9169	59-1	0,38282
59	0,00000	ENVELOPE_ ULS	Min	-7,116E-14	-194,2840	59-1	0,00000
59	0,38282	ENVELOPE_ ULS	Min	-4,062E-14	-74,4962	59-1	0,38282
59	0,00000	SLS		-5,190E-14	-89,6219	59-1	0,00000
59	0,38282	SLS		-2,970E-14	-20,1975	59-1	0,38282
60	0,00000	USL1		-4,572E-14	-31,9169	60-1	0,00000
60	0,38282	USL1		-3,795E-14	-1,3212	60-1	0,38282
60	0,00000	ULS2		-7,347E-15	-74,4962	60-1	0,00000
60	0,38282	ULS2		4,169E-16	-20,7194	60-1	0,38282
60	0,00000	ENVELOPE_ ULS	Max	-7,347E-15	-31,9169	60-1	0,00000
60	0,38282	ENVELOPE_ ULS	Max	4,169E-16	-1,3212	60-1	0,38282
60	0,00000	ENVELOPE_ ULS	Min	-4,572E-14	-74,4962	60-1	0,00000
60	0,38282	ENVELOPE_ ULS	Min	-3,795E-14	-20,7194	60-1	0,38282
60	0,00000	SLS		-3,348E-14	-20,1975	60-1	0,00000
60	0,38282	SLS		-2,800E-14	0,5250	60-1	0,38282
61	0,00000	USL1		-2,836E-14	-1,3212	61-1	0,00000
61	0,38282	USL1		-2,877E-14	-38,8363	61-1	0,38282
61	0,00000	ULS2		4,169E-16	-20,7194	61-1	0,00000
61	0,38282	ULS2		1,097E-17	-33,6552	61-1	0,38282
61	0,00000	ENVELOPE_ ULS	Max	4,169E-16	-1,3212	61-1	0,00000
61	0,38282	ENVELOPE_ ULS	Max	1,097E-17	-33,6552	61-1	0,38282
61	0,00000	ENVELOPE_ ULS	Min	-2,836E-14	-20,7194	61-1	0,00000
61	0,38282	ENVELOPE_ ULS	Min	-2,877E-14	-38,8363	61-1	0,38282
61	0,00000	SLS		-2,089E-14	0,5250	61-1	0,00000
61	0,38282	SLS		-2,131E-14	-27,9209	61-1	0,38282
62	0,00000	USL1		-9,581E-15	-38,8363	62-1	0,00000
62	0,38282	USL1		-3,293E-14	-145,1319	62-1	0,38282
62	0,00000	ULS2		1,097E-17	-33,6552	62-1	0,00000
62	0,38282	ULS2		-8,652E-15	-114,0145	62-1	0,38282
62	0,00000	ENVELOPE_ ULS	Max	1,097E-17	-33,6552	62-1	0,00000
62	0,38282	ENVELOPE_ ULS	Max	-8,652E-15	-114,0145	62-1	0,38282
62	0,00000	ENVELOPE_ ULS	Min	-9,581E-15	-38,8363	62-1	0,00000
62	0,38282	ENVELOPE_ ULS	Min	-3,293E-14	-145,1319	62-1	0,38282
62	0,00000	SLS		-7,095E-15	-27,9209	62-1	0,00000
62	0,38282	SLS		-2,435E-14	-106,0123	62-1	0,38282
63	0,00000	USL1		-3,503E-13	-1976,9943	63-1	0,00000
63	0,23812	USL1		-3,504E-13	-1879,2560	63-1	0,23812
63	0,47625	USL1		-3,505E-13	-1790,4246	63-1	0,47625
63	0,00000	ULS2		-4,999E-15	-2105,3240	63-1	0,00000
63	0,23812	ULS2		-5,069E-15	-2027,9788	63-1	0,23812
63	0,47625	ULS2		-5,139E-15	-1956,4535	63-1	0,47625
63	0,00000	ENVELOPE_ ULS	Max	-4,999E-15	-1976,9943	63-1	0,00000
63	0,23812	ENVELOPE_ ULS	Max	-5,069E-15	-1879,2560	63-1	0,23812
63	0,47625	ENVELOPE_ ULS	Max	-5,139E-15	-1790,4246	63-1	0,47625

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
63	0,00000	ENVELOPE_ ULS	Min	-3,503E-13	-2105,3240	63-1	0,00000
63	0,23812	ENVELOPE_ ULS	Min	-3,504E-13	-2027,9788	63-1	0,23812
63	0,47625	ENVELOPE_ ULS	Min	-3,505E-13	-1956,4535	63-1	0,47625
63	0,00000	SLS		-2,593E-13	-1394,4166	63-1	0,00000
63	0,23812	SLS		-2,594E-13	-1324,8742	63-1	0,23812
63	0,47625	SLS		-2,594E-13	-1261,8545	63-1	0,47625
64	0,00000	USL1		-3,505E-13	-1790,4246	64-1	0,00000
64	0,23812	USL1		-3,140E-13	-1715,7432	64-1	0,23812
64	0,47625	USL1		-2,775E-13	-1650,6232	64-1	0,47625
64	0,00000	ULS2		-5,139E-15	-1956,4535	64-1	0,00000
64	0,23812	ULS2		-5,210E-15	-1896,8455	64-1	0,23812
64	0,47625	ULS2		-5,280E-15	-1843,3866	64-1	0,47625
64	0,00000	ENVELOPE_ ULS	Max	-5,139E-15	-1790,4246	64-1	0,00000
64	0,23812	ENVELOPE_ ULS	Max	-5,210E-15	-1715,7432	64-1	0,23812
64	0,47625	ENVELOPE_ ULS	Max	-5,280E-15	-1650,6232	64-1	0,47625
64	0,00000	ENVELOPE_ ULS	Min	-3,505E-13	-1956,4535	64-1	0,00000
64	0,23812	ENVELOPE_ ULS	Min	-3,140E-13	-1896,8455	64-1	0,23812
64	0,47625	ENVELOPE_ ULS	Min	-2,775E-13	-1843,3866	64-1	0,47625
64	0,00000	SLS		-2,594E-13	-1261,8545	64-1	0,00000
64	0,23812	SLS		-2,324E-13	-1208,9642	64-1	0,23812
64	0,47625	SLS		-2,054E-13	-1163,0815	64-1	0,47625
65	0,00000	USL1		-2,739E-13	-1650,6232	65-1	0,00000
65	0,23812	USL1		-2,008E-13	-1600,7224	65-1	0,23812
65	0,47625	USL1		-1,278E-13	-1561,0374	65-1	0,47625
65	0,00000	ULS2		-5,280E-15	-1843,3866	65-1	0,00000
65	0,23812	ULS2		-5,350E-15	-1802,6496	65-1	0,23812
65	0,47625	ULS2		-5,421E-15	-1768,3910	65-1	0,47625
65	0,00000	ENVELOPE_ ULS	Max	-5,280E-15	-1650,6232	65-1	0,00000
65	0,23812	ENVELOPE_ ULS	Max	-5,350E-15	-1600,7224	65-1	0,23812
65	0,47625	ENVELOPE_ ULS	Max	-5,421E-15	-1561,0374	65-1	0,47625
65	0,00000	ENVELOPE_ ULS	Min	-2,739E-13	-1843,3866	65-1	0,00000
65	0,23812	ENVELOPE_ ULS	Min	-2,008E-13	-1802,6496	65-1	0,23812
65	0,47625	ENVELOPE_ ULS	Min	-1,278E-13	-1768,3910	65-1	0,47625
65	0,00000	SLS		-2,027E-13	-1163,0815	65-1	0,00000
65	0,23812	SLS		-1,486E-13	-1128,1136	65-1	0,23812
65	0,47625	SLS		-9,450E-14	-1100,6381	65-1	0,47625
66	0,00000	USL1		-1,013E-13	-1561,0374	66-1	0,00000
66	0,23812	USL1		-8,314E-14	-1537,5133	66-1	0,23812
66	0,47625	USL1		-6,494E-14	-1524,8595	66-1	0,47625
66	0,00000	ULS2		-5,421E-15	-1768,3910	66-1	0,00000
66	0,23812	ULS2		-5,491E-15	-1747,5127	66-1	0,23812
66	0,47625	ULS2		-5,561E-15	-1733,4419	66-1	0,47625
66	0,00000	ENVELOPE_ ULS	Max	-5,421E-15	-1561,0374	66-1	0,00000
66	0,23812	ENVELOPE_ ULS	Max	-5,491E-15	-1537,5133	66-1	0,23812

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
66	0,47625	ENVELOPE_ ULS	Max	-5,561E-15	-1524,8595	66-1	0,47625
66	0,00000	ENVELOPE_ ULS	Min	-1,013E-13	-1768,3910	66-1	0,00000
66	0,23812	ENVELOPE_ ULS	Min	-8,314E-14	-1747,5127	66-1	0,23812
66	0,47625	ENVELOPE_ ULS	Min	-6,494E-14	-1733,4419	66-1	0,47625
66	0,00000	SLS		-7,489E-14	-1100,6381	66-1	0,00000
66	0,23812	SLS		-6,141E-14	-1084,7733	66-1	0,23812
66	0,47625	SLS		-4,792E-14	-1076,8856	66-1	0,47625
67	0,00000	USL1		-8,230E-14	-1524,8595	67-1	0,00000
67	0,23812	USL1		-4,582E-14	-1529,1888	67-1	0,23812
67	0,47625	USL1		-9,348E-15	-1545,0430	67-1	0,47625
67	0,00000	ULS2		-5,561E-15	-1733,4419	67-1	0,00000
67	0,23812	ULS2		-5,632E-15	-1733,2697	67-1	0,23812
67	0,47625	ULS2		-5,702E-15	-1740,2322	67-1	0,47625
67	0,00000	ENVELOPE_ ULS	Max	-5,561E-15	-1524,8595	67-1	0,00000
67	0,23812	ENVELOPE_ ULS	Max	-5,632E-15	-1529,1888	67-1	0,23812
67	0,47625	ENVELOPE_ ULS	Max	-5,702E-15	-1545,0430	67-1	0,47625
67	0,00000	ENVELOPE_ ULS	Min	-8,230E-14	-1733,4419	67-1	0,00000
67	0,23812	ENVELOPE_ ULS	Min	-4,582E-14	-1733,2697	67-1	0,23812
67	0,47625	ENVELOPE_ ULS	Min	-9,348E-15	-1740,2322	67-1	0,47625
67	0,00000	SLS		-6,078E-14	-1076,8856	67-1	0,00000
67	0,23812	SLS		-3,376E-14	-1081,2205	67-1	0,23812
67	0,47625	SLS		-6,740E-15	-1094,0173	67-1	0,47625
68	0,00000	USL1		3,267E-14	-1545,0430	68-1	0,00000
68	0,23812	USL1		6,914E-14	-1578,5868	68-1	0,23812
68	0,47625	USL1		1,056E-13	-1624,3100	68-1	0,47625
68	0,00000	ULS2		-5,702E-15	-1740,2322	68-1	0,00000
68	0,23812	ULS2		-5,772E-15	-1761,4721	68-1	0,23812
68	0,47625	ULS2		-5,842E-15	-1790,1720	68-1	0,47625
68	0,00000	ENVELOPE_ ULS	Max	3,267E-14	-1545,0430	68-1	0,00000
68	0,23812	ENVELOPE_ ULS	Max	6,914E-14	-1578,5868	68-1	0,23812
68	0,47625	ENVELOPE_ ULS	Max	1,056E-13	-1624,3100	68-1	0,47625
68	0,00000	ENVELOPE_ ULS	Min	-5,702E-15	-1740,2322	68-1	0,00000
68	0,23812	ENVELOPE_ ULS	Min	-5,772E-15	-1761,4721	68-1	0,23812
68	0,47625	ENVELOPE_ ULS	Min	-5,842E-15	-1790,1720	68-1	0,47625
68	0,00000	SLS		2,438E-14	-1094,0173	68-1	0,00000
68	0,23812	SLS		5,140E-14	-1119,5671	68-1	0,23812
68	0,47625	SLS		7,842E-14	-1154,0638	68-1	0,47625
69	0,00000	USL1		9,236E-15	-576,9082	69-1	0,00000
69	0,23812	USL1		1,992E-14	-444,3122	69-1	0,23812
69	0,47625	USL1		3,061E-14	-325,8589	69-1	0,47625
69	0,00000	ULS2		-1,235E-14	-631,7300	69-1	0,00000
69	0,23812	ULS2		-1,080E-14	-486,0578	69-1	0,23812
69	0,47625	ULS2		-9,249E-15	-348,8311	69-1	0,47625
69	0,00000	ENVELOPE_ ULS	Max	9,236E-15	-576,9082	69-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
69	0,23812	ENVELOPE_ ULS	Max	1,992E-14	-444,3122	69-1	0,23812
69	0,47625	ENVELOPE_ ULS	Max	3,061E-14	-325,8589	69-1	0,47625
69	0,00000	ENVELOPE_ ULS	Min	-1,235E-14	-631,7300	69-1	0,00000
69	0,23812	ENVELOPE_ ULS	Min	-1,080E-14	-486,0578	69-1	0,23812
69	0,47625	ENVELOPE_ ULS	Min	-9,249E-15	-348,8311	69-1	0,47625
69	0,00000	SLS		7,174E-15	-410,7889	69-1	0,00000
69	0,23812	SLS		1,505E-14	-316,5352	69-1	0,23812
69	0,47625	SLS		2,293E-14	-232,6827	69-1	0,47625
70	0,00000	USL1		2,672E-14	-325,8589	70-1	0,00000
70	0,23812	USL1		3,284E-14	-225,7026	70-1	0,23812
70	0,47625	USL1		3,896E-14	-140,3436	70-1	0,47625
70	0,00000	ULS2		-9,249E-15	-348,8311	70-1	0,00000
70	0,23812	ULS2		-7,700E-15	-224,9656	70-1	0,23812
70	0,47625	ULS2		-6,152E-15	-109,8749	70-1	0,47625
70	0,00000	ENVELOPE_ ULS	Max	2,672E-14	-325,8589	70-1	0,00000
70	0,23812	ENVELOPE_ ULS	Max	3,284E-14	-224,9656	70-1	0,23812
70	0,47625	ENVELOPE_ ULS	Max	3,896E-14	-109,8749	70-1	0,47625
70	0,00000	ENVELOPE_ ULS	Min	-9,249E-15	-348,8311	70-1	0,00000
70	0,23812	ENVELOPE_ ULS	Min	-7,700E-15	-225,7026	70-1	0,23812
70	0,47625	ENVELOPE_ ULS	Min	-6,152E-15	-140,3436	70-1	0,47625
70	0,00000	SLS		2,005E-14	-232,6827	70-1	0,00000
70	0,23812	SLS		2,455E-14	-162,1266	70-1	0,23812
70	0,47625	SLS		2,904E-14	-102,4566	70-1	0,47625
71	0,00000	USL1		-5,204E-14	-145,1319	71-1	0,00000
71	0,23812	USL1		-7,415E-14	-227,0404	71-1	0,23812
71	0,47625	USL1		-9,728E-14	-323,3418	71-1	0,47625
71	0,00000	ULS2		-1,367E-14	-114,0145	71-1	0,00000
71	0,23812	ULS2		-2,664E-14	-225,9128	71-1	0,23812
71	0,47625	ULS2		-4,064E-14	-346,1817	71-1	0,47625
71	0,00000	ENVELOPE_ ULS	Max	-1,367E-14	-114,0145	71-1	0,00000
71	0,23812	ENVELOPE_ ULS	Max	-2,664E-14	-225,9128	71-1	0,23812
71	0,47625	ENVELOPE_ ULS	Max	-4,064E-14	-323,3418	71-1	0,47625
71	0,00000	ENVELOPE_ ULS	Min	-5,204E-14	-145,1319	71-1	0,00000
71	0,23812	ENVELOPE_ ULS	Min	-7,415E-14	-227,0404	71-1	0,23812
71	0,47625	ENVELOPE_ ULS	Min	-9,728E-14	-346,1817	71-1	0,47625
71	0,00000	SLS		-3,839E-14	-106,0123	71-1	0,00000
71	0,23812	SLS		-5,435E-14	-163,1278	71-1	0,23812
71	0,47625	SLS		-7,106E-14	-230,8299	71-1	0,47625
72	0,00000	USL1		-9,819E-14	-323,3418	72-1	0,00000
72	0,23812	USL1		-1,140E-13	-439,0878	72-1	0,23812
72	0,47625	USL1		-1,307E-13	-568,5723	72-1	0,47625
72	0,00000	ULS2		-4,064E-14	-346,1817	72-1	0,00000
72	0,23812	ULS2		-5,640E-14	-480,9094	72-1	0,23812
72	0,47625	ULS2		-7,316E-14	-623,6786	72-1	0,47625

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
72	0,00000	ENVELOPE_ ULS	Max	-4,064E-14	-323,3418	72-1	0,00000
72	0,23812	ENVELOPE_ ULS	Max	-5,640E-14	-439,0878	72-1	0,23812
72	0,47625	ENVELOPE_ ULS	Max	-7,316E-14	-568,5723	72-1	0,47625
72	0,00000	ENVELOPE_ ULS	Min	-9,819E-14	-346,1817	72-1	0,00000
72	0,23812	ENVELOPE_ ULS	Min	-1,140E-13	-480,9094	72-1	0,23812
72	0,47625	ENVELOPE_ ULS	Min	-1,307E-13	-623,6786	72-1	0,47625
72	0,00000	SLS		-7,174E-14	-230,8299	72-1	0,00000
72	0,23812	SLS		-8,296E-14	-312,6774	72-1	0,23812
72	0,47625	SLS		-9,490E-14	-404,6267	72-1	0,47625
73	0,00000	USL1		-2,916E-13	-1597,8033	73-1	0,00000
73	0,23812	USL1		-2,695E-13	-1549,4356	73-1	0,23812
73	0,47625	USL1		-2,483E-13	-1512,8429	73-1	0,47625
73	0,00000	ULS2		-2,100E-13	-1762,8515	73-1	0,00000
73	0,23812	ULS2		-2,063E-13	-1731,3807	73-1	0,23812
73	0,47625	ULS2		-2,033E-13	-1706,9658	73-1	0,47625
73	0,00000	ENVELOPE_ ULS	Max	-2,100E-13	-1597,8033	73-1	0,00000
73	0,23812	ENVELOPE_ ULS	Max	-2,063E-13	-1549,4356	73-1	0,23812
73	0,47625	ENVELOPE_ ULS	Max	-2,033E-13	-1512,8429	73-1	0,47625
73	0,00000	ENVELOPE_ ULS	Min	-2,916E-13	-1762,8515	73-1	0,00000
73	0,23812	ENVELOPE_ ULS	Min	-2,695E-13	-1731,3807	73-1	0,23812
73	0,47625	ENVELOPE_ ULS	Min	-2,483E-13	-1706,9658	73-1	0,47625
73	0,00000	SLS		-2,102E-13	-1134,4654	73-1	0,00000
73	0,23812	SLS		-1,937E-13	-1098,0064	73-1	0,23812
73	0,47625	SLS		-1,780E-13	-1070,1949	73-1	0,47625
74	0,00000	USL1		-2,513E-13	-1512,8429	74-1	0,00000
74	0,23812	USL1		-2,321E-13	-1495,9031	74-1	0,23812
74	0,47625	USL1		-2,137E-13	-1490,0838	74-1	0,47625
74	0,00000	ULS2		-2,033E-13	-1706,9658	74-1	0,00000
74	0,23812	ULS2		-2,024E-13	-1698,7973	74-1	0,23812
74	0,47625	ULS2		-2,023E-13	-1697,3593	74-1	0,47625
74	0,00000	ENVELOPE_ ULS	Max	-2,033E-13	-1512,8429	74-1	0,00000
74	0,23812	ENVELOPE_ ULS	Max	-2,024E-13	-1495,9031	74-1	0,23812
74	0,47625	ENVELOPE_ ULS	Max	-2,023E-13	-1490,0838	74-1	0,47625
74	0,00000	ENVELOPE_ ULS	Min	-2,513E-13	-1706,9658	74-1	0,00000
74	0,23812	ENVELOPE_ ULS	Min	-2,321E-13	-1698,7973	74-1	0,23812
74	0,47625	ENVELOPE_ ULS	Min	-2,137E-13	-1697,3593	74-1	0,47625
74	0,00000	SLS		-1,802E-13	-1070,1949	74-1	0,00000
74	0,23812	SLS		-1,658E-13	-1056,5904	74-1	0,23812
74	0,47625	SLS		-1,520E-13	-1051,1485	74-1	0,47625
75	0,00000	USL1		-2,023E-13	-1490,0838	75-1	0,00000
75	0,23812	USL1		-1,996E-13	-1503,4238	75-1	0,23812
75	0,47625	USL1		-1,977E-13	-1527,2300	75-1	0,47625
75	0,00000	ULS2		-2,023E-13	-1697,3593	75-1	0,00000
75	0,23812	ULS2		-2,042E-13	-1712,0159	75-1	0,23812

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
75	0,47625	ULS2		-2,068E-13	-1733,0758	75-1	0,47625
75	0,00000	ENVELOPE_ ULS	Max	-2,023E-13	-1490,0838	75-1	0,00000
75	0,23812	ENVELOPE_ ULS	Max	-1,996E-13	-1503,4238	75-1	0,23812
75	0,47625	ENVELOPE_ ULS	Max	-1,977E-13	-1527,2300	75-1	0,47625
75	0,00000	ENVELOPE_ ULS	Min	-2,023E-13	-1697,3593	75-1	0,00000
75	0,23812	ENVELOPE_ ULS	Min	-2,042E-13	-1712,0159	75-1	0,23812
75	0,47625	ENVELOPE_ ULS	Min	-2,068E-13	-1733,0758	75-1	0,47625
75	0,00000	SLS		-1,436E-13	-1051,1485	75-1	0,00000
75	0,23812	SLS		-1,414E-13	-1059,5414	75-1	0,23812
75	0,47625	SLS		-1,398E-13	-1075,6120	75-1	0,47625
76	0,00000	USL1		-1,972E-13	-1527,2300	76-1	0,00000
76	0,23812	USL1		-1,995E-13	-1569,5900	76-1	0,23812
76	0,47625	USL1		-2,026E-13	-1621,7615	76-1	0,47625
76	0,00000	ULS2		-2,068E-13	-1733,0758	76-1	0,00000
76	0,23812	ULS2		-2,114E-13	-1769,9428	76-1	0,23812
76	0,47625	ULS2		-2,167E-13	-1812,8839	76-1	0,47625
76	0,00000	ENVELOPE_ ULS	Max	-1,972E-13	-1527,2300	76-1	0,00000
76	0,23812	ENVELOPE_ ULS	Max	-1,995E-13	-1569,5900	76-1	0,23812
76	0,47625	ENVELOPE_ ULS	Max	-2,026E-13	-1621,7615	76-1	0,47625
76	0,00000	ENVELOPE_ ULS	Min	-2,068E-13	-1733,0758	76-1	0,00000
76	0,23812	ENVELOPE_ ULS	Min	-2,114E-13	-1769,9428	76-1	0,23812
76	0,47625	ENVELOPE_ ULS	Min	-2,167E-13	-1812,8839	76-1	0,47625
76	0,00000	SLS		-1,395E-13	-1075,6120	76-1	0,00000
76	0,23812	SLS		-1,409E-13	-1105,0663	76-1	0,23812
76	0,47625	SLS		-1,429E-13	-1141,7136	76-1	0,47625
77	0,00000	USL1		-1,928E-13	-1621,7615	77-1	0,00000
77	0,23812	USL1		-1,977E-13	-1691,7658	77-1	0,23812
77	0,47625	USL1		-2,033E-13	-1770,9271	77-1	0,47625
77	0,00000	ULS2		-2,167E-13	-1812,8839	77-1	0,00000
77	0,23812	ULS2		-2,239E-13	-1871,2082	77-1	0,23812
77	0,47625	ULS2		-2,319E-13	-1935,2775	77-1	0,47625
77	0,00000	ENVELOPE_ ULS	Max	-1,928E-13	-1621,7615	77-1	0,00000
77	0,23812	ENVELOPE_ ULS	Max	-1,977E-13	-1691,7658	77-1	0,23812
77	0,47625	ENVELOPE_ ULS	Max	-2,033E-13	-1770,9271	77-1	0,47625
77	0,00000	ENVELOPE_ ULS	Min	-2,167E-13	-1812,8839	77-1	0,00000
77	0,23812	ENVELOPE_ ULS	Min	-2,239E-13	-1871,2082	77-1	0,23812
77	0,47625	ENVELOPE_ ULS	Min	-2,319E-13	-1935,2775	77-1	0,47625
77	0,00000	SLS		-1,357E-13	-1141,7136	77-1	0,00000
77	0,23812	SLS		-1,390E-13	-1191,2123	77-1	0,23812
77	0,47625	SLS		-1,429E-13	-1247,4191	77-1	0,47625
78	0,00000	USL1		-2,127E-13	-1770,9271	78-1	0,00000
78	0,23812	USL1		-2,201E-13	-1867,0756	78-1	0,23812
78	0,47625	USL1		-2,282E-13	-1971,7268	78-1	0,47625
78	0,00000	ULS2		-2,319E-13	-1935,2775	78-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
78	0,23812	ULS2		-2,416E-13	-2014,1633	78-1	0,23812
78	0,47625	ULS2		-2,520E-13	-2098,4649	78-1	0,47625
78	0,00000	ENVELOPE_ ULS	Max	-2,127E-13	-1770,9271	78-1	0,00000
78	0,23812	ENVELOPE_ ULS	Max	-2,201E-13	-1867,0756	78-1	0,23812
78	0,47625	ENVELOPE_ ULS	Max	-2,282E-13	-1971,7268	78-1	0,47625
78	0,00000	ENVELOPE_ ULS	Min	-2,319E-13	-1935,2775	78-1	0,00000
78	0,23812	ENVELOPE_ ULS	Min	-2,416E-13	-2014,1633	78-1	0,23812
78	0,47625	ENVELOPE_ ULS	Min	-2,520E-13	-2098,4649	78-1	0,47625
78	0,00000	SLS		-1,498E-13	-1247,4191	78-1	0,00000
78	0,23812	SLS		-1,550E-13	-1315,8578	78-1	0,23812
78	0,47625	SLS		-1,607E-13	-1390,5198	78-1	0,47625

Table: Element Joint Forces - Frames, Part 1 of 2

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
1	28	USL1	Combination		-242,290	-1,100E-13	-2052,699	9,008E-14
1	35	USL1	Combination		350,081	1,100E-13	2076,938	-1,139E-13
1	28	ULS2	Combination		-165,379	2,953E-16	-1917,354	-5,842E-15
1	35	ULS2	Combination		230,784	-2,953E-16	1941,594	5,983E-15
1	28	ENVELOPE_ ULS	Combination	Max	-165,379	2,953E-16	-1917,354	9,008E-14
1	35	ENVELOPE_ ULS	Combination	Max	350,081	1,100E-13	2076,938	5,983E-15
1	28	ENVELOPE_ ULS	Combination	Min	-242,290	-1,100E-13	-2052,699	-5,842E-15
1	35	ENVELOPE_ ULS	Combination	Min	230,784	-2,953E-16	1941,594	-1,139E-13
1	28	SLS	Combination		-180,841	-8,150E-14	-1480,871	6,691E-14
1	35	SLS	Combination		260,058	8,150E-14	1498,826	-8,458E-14
2	11	USL1	Combination		489,757	-1,409E-14	1921,949	3,394E-15
2	12	USL1	Combination		-629,448	1,409E-14	-1545,407	1,015E-14
2	11	ULS2	Combination		402,311	2,953E-16	1786,067	-4,999E-15
2	12	ULS2	Combination		-503,780	-2,953E-16	-1447,747	4,757E-15
2	11	ENVELOPE_ ULS	Combination	Max	489,757	2,953E-16	1921,949	3,394E-15
2	12	ENVELOPE_ ULS	Combination	Max	-503,780	1,409E-14	-1447,747	1,015E-14
2	11	ENVELOPE_ ULS	Combination	Min	402,311	-1,409E-14	1786,067	-4,999E-15
2	12	ENVELOPE_ ULS	Combination	Min	-629,448	-2,953E-16	-1545,407	4,757E-15
2	11	SLS	Combination		349,516	-1,045E-14	1384,259	2,680E-15
2	12	SLS	Combination		-451,463	1,045E-14	-1106,496	7,361E-15
3	12	USL1	Combination		629,448	-1,050E-14	1545,407	-8,954E-15
3	13	USL1	Combination		-736,959	1,050E-14	-1248,760	6,042E-15
3	12	ULS2	Combination		503,780	2,953E-16	1447,747	-4,757E-15
3	13	ULS2	Combination		-584,148	-2,953E-16	-1178,243	4,543E-15
3	12	ENVELOPE_ ULS	Combination	Max	629,448	2,953E-16	1545,407	-4,757E-15
3	13	ENVELOPE_ ULS	Combination	Max	-584,148	1,050E-14	-1178,243	6,042E-15
3	12	ENVELOPE_ ULS	Combination	Min	503,780	-1,050E-14	1447,747	-8,954E-15

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
3	13	ENVELOPE_	Combination	Min	-736,959	-2,953E-16	-1248,760	4,543E-15
		ULS						
3	12	SLS	Combination		451,463	-7,783E-15	1106,496	-6,473E-15
3	13	SLS	Combination		-529,748	7,783E-15	-887,782	4,322E-15
4	13	USL1	Combination		736,959	-2,129E-14	1248,760	1,002E-15
4	14	USL1	Combination		-825,654	2,129E-14	-1005,941	1,694E-14
4	13	ULS2	Combination		584,148	2,953E-16	1178,243	-4,543E-15
4	14	ULS2	Combination		-653,474	-2,953E-16	-956,719	4,347E-15
4	13	ENVELOPE_	Combination	Max	736,959	2,953E-16	1248,760	1,002E-15
		ULS						
4	14	ENVELOPE_	Combination	Max	-653,474	2,129E-14	-956,719	1,694E-14
		ULS						
4	13	ENVELOPE_	Combination	Min	584,148	-2,129E-14	1178,243	-4,543E-15
		ULS						
4	14	ENVELOPE_	Combination	Min	-825,654	-2,953E-16	-1005,941	4,347E-15
		ULS						
4	13	SLS	Combination		529,748	-1,578E-14	887,782	8,965E-16
4	14	SLS	Combination		-594,142	1,578E-14	-708,906	1,240E-14
5	14	USL1	Combination		825,654	-4,501E-15	1005,941	-2,825E-14
5	15	USL1	Combination		-898,969	4,501E-15	-801,941	3,088E-14
5	14	ULS2	Combination		653,474	2,953E-16	956,719	-4,347E-15
5	15	ULS2	Combination		-715,631	-2,953E-16	-771,380	4,197E-15
5	14	ENVELOPE_	Combination	Max	825,654	2,953E-16	1005,941	-4,347E-15
		ULS						
5	15	ENVELOPE_	Combination	Max	-715,631	4,501E-15	-771,380	3,088E-14
		ULS						
5	14	ENVELOPE_	Combination	Min	653,474	-4,501E-15	956,719	-2,825E-14
		ULS						
5	15	ENVELOPE_	Combination	Min	-898,969	-2,953E-16	-801,941	4,197E-15
		ULS						
5	14	SLS	Combination		594,142	-3,342E-15	708,906	-2,078E-14
5	15	SLS	Combination		-647,145	3,342E-15	-558,783	2,273E-14
6	15	USL1	Combination		898,969	-2,668E-14	801,941	-2,503E-14
6	16	USL1	Combination		-961,430	2,668E-14	-624,038	3,108E-14
6	15	ULS2	Combination		715,631	2,953E-16	771,380	-4,197E-15
6	16	ULS2	Combination		-772,697	-2,953E-16	-609,316	4,103E-15
6	15	ENVELOPE_	Combination	Max	898,969	2,953E-16	801,941	-4,197E-15
		ULS						
6	16	ENVELOPE_	Combination	Max	-772,697	2,668E-14	-609,316	3,108E-14
		ULS						
6	15	ENVELOPE_	Combination	Min	715,631	-2,668E-14	771,380	-2,503E-14
		ULS						
6	16	ENVELOPE_	Combination	Min	-961,430	-2,953E-16	-624,038	4,103E-15
		ULS						
6	15	SLS	Combination		647,145	-1,977E-14	558,783	-1,840E-14
6	16	SLS	Combination		-692,109	1,977E-14	-427,991	2,288E-14
7	16	USL1	Combination		961,430	-3,208E-14	174,038	-3,813E-14
7	17	USL1	Combination		-1020,640	3,208E-14	-4,934	4,214E-14
7	16	ULS2	Combination		772,697	2,953E-16	159,316	-4,103E-15
7	17	ULS2	Combination		-830,249	-2,953E-16	-5,019	4,069E-15
7	16	ENVELOPE_	Combination	Max	961,430	2,953E-16	174,038	-4,103E-15
		ULS						
7	17	ENVELOPE_	Combination	Max	-830,249	3,208E-14	-4,934	4,214E-14
		ULS						
7	16	ENVELOPE_	Combination	Min	772,697	-3,208E-14	159,316	-3,813E-14
		ULS						
7	17	ENVELOPE_	Combination	Min	-1020,640	-2,953E-16	-5,019	4,069E-15
		ULS						
7	16	SLS	Combination		692,109	-2,377E-14	127,991	-2,810E-14
7	17	SLS	Combination		-734,587	2,377E-14	-3,775	3,107E-14
8	17	USL1	Combination		1020,640	2,248E-14	4,934	-3,770E-14
8	18	USL1	Combination		-951,546	-2,248E-14	170,165	4,345E-14

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
8	17	ULS2	Combination		830,249	2,953E-16	5,019	-4,069E-15
8	18	ULS2	Combination		-762,933	-2,953E-16	154,754	4,105E-15
8	17	ENVELOPE_ ULS	Combination	Max	1020,640	2,248E-14	5,019	-4,069E-15
8	18	ENVELOPE_ ULS	Combination	Max	-762,933	-2,953E-16	170,165	4,345E-14
8	17	ENVELOPE_ ULS	Combination	Min	830,249	2,953E-16	4,934	-3,770E-14
8	18	ENVELOPE_ ULS	Combination	Min	-951,546	-2,248E-14	154,754	4,105E-15
8	17	SLS	Combination		734,587	1,664E-14	3,775	-2,778E-14
8	18	SLS	Combination		-684,836	-1,664E-14	124,845	3,204E-14
9	18	USL1	Combination		951,546	3,087E-14	-620,165	-3,738E-14
9	19	USL1	Combination		-882,106	-3,087E-14	797,559	4,527E-14
9	18	ULS2	Combination		762,933	2,953E-16	-604,754	-4,105E-15
9	19	ULS2	Combination		-698,995	-2,953E-16	766,392	4,201E-15
9	18	ENVELOPE_ ULS	Combination	Max	951,546	3,087E-14	-604,754	-4,105E-15
9	19	ENVELOPE_ ULS	Combination	Max	-698,995	-2,953E-16	797,559	4,527E-14
9	18	ENVELOPE_ ULS	Combination	Min	762,933	2,953E-16	-620,165	-3,738E-14
9	19	ENVELOPE_ ULS	Combination	Min	-882,106	-3,087E-14	766,392	4,201E-15
9	18	SLS	Combination		684,836	2,286E-14	-424,845	-2,755E-14
9	19	SLS	Combination		-634,700	-2,286E-14	555,263	3,339E-14
10	19	USL1	Combination		882,106	4,346E-14	-797,559	-4,902E-14
10	20	USL1	Combination		-801,953	-4,346E-14	1000,634	6,730E-14
10	19	ULS2	Combination		698,995	2,953E-16	-766,392	-4,201E-15
10	20	ULS2	Combination		-630,083	-2,953E-16	950,962	4,352E-15
10	19	ENVELOPE_ ULS	Combination	Max	882,106	4,346E-14	-766,392	-4,201E-15
10	20	ENVELOPE_ ULS	Combination	Max	-630,083	-2,953E-16	1000,634	6,730E-14
10	19	ENVELOPE_ ULS	Combination	Min	698,995	2,953E-16	-797,559	-4,902E-14
10	20	ENVELOPE_ ULS	Combination	Min	-801,953	-4,346E-14	950,962	4,352E-15
10	19	SLS	Combination		634,700	3,219E-14	-555,263	-3,616E-14
10	20	SLS	Combination		-576,626	-3,219E-14	704,705	4,970E-14
11	20	USL1	Combination		801,953	1,562E-13	-1000,634	-8,064E-14
11	21	USL1	Combination		-706,632	-1,562E-13	1242,076	1,715E-13
11	20	ULS2	Combination		630,083	2,953E-16	-950,962	-4,352E-15
11	21	ULS2	Combination		-554,112	-2,953E-16	1171,301	4,549E-15
11	20	ENVELOPE_ ULS	Combination	Max	801,953	1,562E-13	-950,962	-4,352E-15
11	21	ENVELOPE_ ULS	Combination	Max	-554,112	-2,953E-16	1242,076	1,715E-13
11	20	ENVELOPE_ ULS	Combination	Min	630,083	2,953E-16	-1000,634	-8,064E-14
11	21	ENVELOPE_ ULS	Combination	Min	-706,632	-1,562E-13	1171,301	4,549E-15
11	20	SLS	Combination		576,626	1,157E-13	-704,705	-5,959E-14
11	21	SLS	Combination		-507,317	-1,157E-13	882,566	1,269E-13
12	21	USL1	Combination		706,632	9,502E-14	-1242,076	-1,679E-13
12	22	USL1	Combination		-592,477	-9,502E-14	1537,021	2,551E-13
12	21	ULS2	Combination		554,112	2,953E-16	-1171,301	-4,549E-15
12	22	ULS2	Combination		-466,944	-2,953E-16	1439,259	4,761E-15
12	21	ENVELOPE_ ULS	Combination	Max	706,632	9,502E-14	-1171,301	-4,549E-15
12	22	ENVELOPE_ ULS	Combination	Max	-466,944	-2,953E-16	1537,021	2,551E-13

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
12	21	ENVELOPE_	Combination	Min	554,112	2,953E-16	-1242,076	-1,679E-13
		ULS						
12	22	ENVELOPE_	Combination	Min	-592,477	-9,502E-14	1439,259	4,761E-15
		ULS						
12	21	SLS	Combination		507,317	7,038E-14	-882,566	-1,242E-13
12	22	SLS	Combination		-424,102	-7,038E-14	1100,026	1,888E-13
13	22	USL1	Combination		592,477	1,502E-13	-1537,021	-2,518E-13
13	31	USL1	Combination		-447,012	-1,502E-13	1907,264	3,599E-13
13	22	ULS2	Combination		466,944	2,953E-16	-1439,259	-4,761E-15
13	31	ULS2	Combination		-359,062	-2,953E-16	1771,919	4,999E-15
13	22	ENVELOPE_	Combination	Max	592,477	1,502E-13	-1439,259	-4,761E-15
		ULS						
13	31	ENVELOPE_	Combination	Max	-359,062	-2,953E-16	1907,264	3,599E-13
		ULS						
13	22	ENVELOPE_	Combination	Min	466,944	2,953E-16	-1537,021	-2,518E-13
		ULS						
13	31	ENVELOPE_	Combination	Min	-447,012	-1,502E-13	1771,919	4,999E-15
		ULS						
13	22	SLS	Combination		424,102	1,112E-13	-1100,026	-1,863E-13
13	31	SLS	Combination		-317,852	-1,112E-13	1373,142	2,664E-13
17	32	USL1	Combination		316,129	-3,632E-14	-265,803	3,941E-14
17	37	USL1	Combination		-316,129	4,144E-14	233,787	-3,941E-14
17	32	ULS2	Combination		450,518	-6,504E-15	-178,426	-6,152E-15
17	37	ULS2	Combination		-450,518	6,504E-15	188,168	6,152E-15
17	32	ENVELOPE_	Combination	Max	450,518	-6,504E-15	-178,426	3,941E-14
		ULS						
17	37	ENVELOPE_	Combination	Max	-316,129	4,144E-14	233,787	6,152E-15
		ULS						
17	32	ENVELOPE_	Combination	Min	316,129	-3,632E-14	-265,803	-6,152E-15
		ULS						
17	37	ENVELOPE_	Combination	Min	-450,518	6,504E-15	188,168	-3,941E-14
		ULS						
17	32	SLS	Combination		219,958	-2,675E-14	-195,570	2,938E-14
17	37	SLS	Combination		-219,958	3,054E-14	171,855	-2,938E-14
26	35	USL1	Combination		719,889	-5,926E-14	-376,151	-1,305E-14
26	27	USL1	Combination		-606,601	5,926E-14	388,270	-1,403E-14
26	35	ULS2	Combination		722,266	-6,504E-15	-326,849	-1,544E-14
26	27	ULS2	Combination		-654,096	6,504E-15	338,968	1,235E-14
26	35	ENVELOPE_	Combination	Max	722,266	-6,504E-15	-326,849	-1,305E-14
		ULS						
26	27	ENVELOPE_	Combination	Max	-606,601	5,926E-14	388,270	1,235E-14
		ULS						
26	35	ENVELOPE_	Combination	Min	719,889	-5,926E-14	-376,151	-1,544E-14
		ULS						
26	27	ENVELOPE_	Combination	Min	-654,096	6,504E-15	338,968	-1,403E-14
		ULS						
26	35	SLS	Combination		514,882	-4,374E-14	-273,845	-9,258E-15
26	27	SLS	Combination		-431,594	4,374E-14	282,823	-1,073E-14
33	37	USL1	Combination		316,129	-3,504E-16	-88,608	4,181E-14
33	33	USL1	Combination		-316,129	5,464E-15	56,592	-4,181E-14
33	37	ULS2	Combination		450,518	-6,504E-15	-5,007	-6,152E-15
33	33	ULS2	Combination		-450,518	6,504E-15	14,749	6,152E-15
33	37	ENVELOPE_	Combination	Max	450,518	-3,504E-16	-5,007	4,181E-14
		ULS						
33	33	ENVELOPE_	Combination	Max	-316,129	6,504E-15	56,592	6,152E-15
		ULS						
33	37	ENVELOPE_	Combination	Min	316,129	-6,504E-15	-88,608	-6,152E-15
		ULS						
33	33	ENVELOPE_	Combination	Min	-450,518	5,464E-15	14,749	-4,181E-14
		ULS						
33	37	SLS	Combination		219,958	-1,053E-16	-67,728	3,116E-14
33	33	SLS	Combination		-219,958	3,893E-15	44,013	-3,116E-14

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
37	23	USL1	Combination		600,026	-2,214E-15	418,850	7,306E-14
37	36	USL1	Combination		-709,919	7,739E-15	-406,731	-5,983E-14
37	23	ULS2	Combination		648,247	-3,078E-15	368,542	-3,223E-15
37	36	ULS2	Combination		-713,022	3,078E-15	-356,422	4,689E-15
37	23	ENVELOPE_ ULS	Combination	Max	648,247	-2,214E-15	418,850	7,306E-14
37	36	ENVELOPE_ ULS	Combination	Max	-709,919	7,739E-15	-356,422	4,689E-15
37	23	ENVELOPE_ ULS	Combination	Min	600,026	-3,078E-15	368,542	-3,223E-15
37	36	ENVELOPE_ ULS	Combination	Min	-713,022	3,078E-15	-406,731	-5,983E-14
37	23	SLS	Combination		426,723	-1,554E-15	305,118	5,423E-14
37	36	SLS	Combination		-507,497	5,647E-15	-296,140	-4,447E-14
38	36	USL1	Combination		-366,004	6,897E-15	2091,623	6,973E-14
38	24	USL1	Combination		261,608	-1,706E-15	-2067,384	-7,907E-14
38	36	ULS2	Combination		-247,205	2,953E-16	1955,742	-5,983E-15
38	24	ULS2	Combination		185,194	-2,953E-16	-1931,502	5,842E-15
38	36	ENVELOPE_ ULS	Combination	Max	-247,205	6,897E-15	2091,623	6,973E-14
38	24	ENVELOPE_ ULS	Combination	Max	261,608	-2,953E-16	-1931,502	5,842E-15
38	36	ENVELOPE_ ULS	Combination	Min	-366,004	2,953E-16	1955,742	-5,983E-15
38	24	ENVELOPE_ ULS	Combination	Min	185,194	-1,706E-15	-2067,384	-7,907E-14
38	36	SLS	Combination		-271,866	5,101E-15	1509,944	5,184E-14
38	24	SLS	Combination		195,164	-1,256E-15	-1491,989	-5,876E-14
39	1	USL1	Combination		-1107,571	-8,018E-15	1738,188	6,238E-14
39	36	USL1	Combination		1107,571	8,018E-15	-1684,892	-5,056E-14
39	1	ULS2	Combination		-996,348	3,373E-15	1652,616	-6,114E-15
39	36	ULS2	Combination		996,348	-3,373E-15	-1599,320	1,294E-15
39	1	ENVELOPE_ ULS	Combination	Max	-996,348	3,373E-15	1738,188	6,238E-14
39	36	ENVELOPE_ ULS	Combination	Max	1107,571	8,018E-15	-1599,320	1,294E-15
39	1	ENVELOPE_ ULS	Combination	Min	-1107,571	-8,018E-15	1652,616	-6,114E-15
39	36	ENVELOPE_ ULS	Combination	Min	996,348	-3,373E-15	-1684,892	-5,056E-14
39	1	SLS	Combination		-801,756	-6,033E-15	1253,282	4,638E-14
39	36	SLS	Combination		801,756	6,033E-15	-1213,803	-3,750E-14
40	9	USL1	Combination		1093,427	-2,958E-14	1753,374	-7,304E-14
40	35	USL1	Combination		-1093,427	2,958E-14	-1700,787	1,156E-13
40	9	ULS2	Combination		981,070	-6,800E-15	1667,332	2,534E-16
40	35	ULS2	Combination		-981,070	6,800E-15	-1614,745	9,462E-15
40	9	ENVELOPE_ ULS	Combination	Max	1093,427	-6,800E-15	1753,374	2,534E-16
40	35	ENVELOPE_ ULS	Combination	Max	-981,070	2,958E-14	-1614,745	1,156E-13
40	9	ENVELOPE_ ULS	Combination	Min	981,070	-2,958E-14	1667,332	-7,304E-14
40	35	ENVELOPE_ ULS	Combination	Min	-1093,427	6,800E-15	-1700,787	9,462E-15
40	9	SLS	Combination		791,267	-2,175E-14	1263,935	-5,412E-14
40	35	SLS	Combination		-791,267	2,175E-14	-1224,981	8,540E-14
41	33	USL1	Combination		316,129	-7,673E-15	87,071	3,941E-14
41	38	USL1	Combination		-316,129	1,253E-14	-117,483	-3,941E-14
41	33	ULS2	Combination		450,518	-6,504E-15	166,804	-6,152E-15
41	38	ULS2	Combination		-450,518	6,504E-15	-157,550	6,152E-15
41	33	ENVELOPE_ ULS	Combination	Max	450,518	-6,504E-15	166,804	3,941E-14

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
41	38	ENVELOPE_	Combination	Max	-316,129	1,253E-14	-117,483	6,152E-15
		ULS						
41	33	ENVELOPE_	Combination	Min	316,129	-7,673E-15	87,071	-6,152E-15
		ULS						
41	38	ENVELOPE_	Combination	Min	-450,518	6,504E-15	-157,550	-3,941E-14
		ULS						
41	33	SLS	Combination		219,958	-5,529E-15	59,040	2,938E-14
41	38	SLS	Combination		-219,958	9,128E-15	-81,568	-2,938E-14
42	38	USL1	Combination		316,129	-1,247E-14	259,731	2,982E-14
42	9	USL1	Combination		-316,129	1,733E-14	-290,144	-2,982E-14
42	38	ULS2	Combination		450,518	-6,504E-15	337,589	-6,152E-15
42	9	ULS2	Combination		-450,518	6,504E-15	-328,335	6,152E-15
42	38	ENVELOPE_	Combination	Max	450,518	-6,504E-15	337,589	2,982E-14
		ULS						
42	9	ENVELOPE_	Combination	Max	-316,129	1,733E-14	-290,144	6,152E-15
		ULS						
42	38	ENVELOPE_	Combination	Min	316,129	-1,247E-14	259,731	-6,152E-15
		ULS						
42	9	ENVELOPE_	Combination	Min	-450,518	6,504E-15	-328,335	-2,982E-14
		ULS						
42	38	SLS	Combination		219,958	-9,082E-15	183,621	2,227E-14
42	9	SLS	Combination		-219,958	1,268E-14	-206,149	-2,227E-14
43	9	USL1	Combination		-777,297	1,207E-14	-1322,393	1,006E-13
43	39	USL1	Combination		884,540	-5,265E-15	1296,172	-1,004E-13
43	9	ULS2	Combination		-530,552	2,953E-16	-1160,490	-6,405E-15
43	39	ULS2	Combination		601,550	-2,953E-16	1176,415	6,501E-15
43	9	ENVELOPE_	Combination	Max	-530,552	1,207E-14	-1160,490	1,006E-13
		ULS						
43	39	ENVELOPE_	Combination	Max	884,540	-2,953E-16	1296,172	6,501E-15
		ULS						
43	9	ENVELOPE_	Combination	Min	-777,297	2,953E-16	-1322,393	-6,405E-15
		ULS						
43	39	ENVELOPE_	Combination	Min	601,550	-5,265E-15	1176,415	-1,004E-13
		ULS						
43	9	SLS	Combination		-571,309	8,935E-15	-956,727	7,473E-14
43	39	SLS	Combination		650,748	-3,892E-15	937,304	-7,457E-14
44	39	USL1	Combination		-884,540	-1,539E-14	-1157,072	8,935E-14
44	8	USL1	Combination		995,054	2,243E-14	1129,365	-1,078E-13
44	39	ULS2	Combination		-601,550	2,953E-16	-999,816	-6,501E-15
44	8	ULS2	Combination		674,543	-2,953E-16	1015,741	6,598E-15
44	39	ENVELOPE_	Combination	Max	-601,550	2,953E-16	-999,816	8,935E-14
		ULS						
44	8	ENVELOPE_	Combination	Max	995,054	2,243E-14	1129,365	6,598E-15
		ULS						
44	39	ENVELOPE_	Combination	Min	-884,540	-1,539E-14	-1157,072	-6,501E-15
		ULS						
44	8	ENVELOPE_	Combination	Min	674,543	-2,953E-16	1015,741	-1,078E-13
		ULS						
44	39	SLS	Combination		-650,748	-1,140E-14	-837,473	6,639E-14
44	8	SLS	Combination		732,610	1,662E-14	816,949	-8,006E-14
45	8	USL1	Combination		-995,054	2,308E-14	-991,880	1,043E-13
45	40	USL1	Combination		1099,483	-1,584E-14	956,759	-1,038E-13
45	8	ULS2	Combination		-674,543	2,953E-16	-840,951	-6,598E-15
45	40	ULS2	Combination		749,070	-2,953E-16	856,825	6,672E-15
45	8	ENVELOPE_	Combination	Max	-674,543	2,308E-14	-840,951	1,043E-13
		ULS						
45	40	ENVELOPE_	Combination	Max	1099,483	-2,953E-16	956,759	6,672E-15
		ULS						
45	8	ENVELOPE_	Combination	Min	-995,054	2,953E-16	-991,880	-6,598E-15
		ULS						
45	40	ENVELOPE_	Combination	Min	749,070	-1,584E-14	856,825	-1,038E-13
		ULS						

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
45	8	SLS	Combination		-732,610	1,709E-14	-718,255	7,748E-14
45	40	SLS	Combination		809,965	-1,173E-14	692,240	-7,709E-14
46	40	USL1	Combination		-1099,483	5,675E-14	-820,917	1,092E-13
46	7	USL1	Combination		1206,245	-4,932E-14	784,460	-9,293E-14
46	40	ULS2	Combination		-749,070	2,953E-16	-683,901	-6,672E-15
46	7	ULS2	Combination		825,147	-2,953E-16	699,775	6,747E-15
46	40	ENVELOPE_ ULS	Combination	Max	-749,070	5,675E-14	-683,901	1,092E-13
46	7	ENVELOPE_ ULS	Combination	Max	1206,245	-2,953E-16	784,460	6,747E-15
46	40	ENVELOPE_ ULS	Combination	Min	-1099,483	2,953E-16	-820,917	-6,672E-15
46	7	ENVELOPE_ ULS	Combination	Min	825,147	-4,932E-14	699,775	-9,293E-14
46	40	SLS	Combination		-809,965	4,203E-14	-594,701	8,112E-14
46	7	SLS	Combination		889,048	-3,653E-14	567,696	-6,905E-14
47	7	USL1	Combination		-1206,245	6,523E-14	-649,989	8,615E-14
47	41	USL1	Combination		1303,200	-5,764E-14	607,117	-8,293E-14
47	7	ULS2	Combination		-825,147	2,953E-16	-528,437	-6,747E-15
47	41	ULS2	Combination		902,503	-2,953E-16	544,317	6,793E-15
47	7	ENVELOPE_ ULS	Combination	Max	-825,147	6,523E-14	-528,437	8,615E-14
47	41	ENVELOPE_ ULS	Combination	Max	1303,200	-2,953E-16	607,117	6,793E-15
47	7	ENVELOPE_ ULS	Combination	Min	-1206,245	2,953E-16	-649,989	-6,747E-15
47	41	ENVELOPE_ ULS	Combination	Min	902,503	-5,764E-14	544,317	-8,293E-14
47	7	SLS	Combination		-889,048	4,831E-14	-471,118	6,402E-14
47	41	SLS	Combination		960,867	-4,269E-14	439,361	-6,165E-14
48	41	USL1	Combination		-1303,200	7,848E-14	-473,854	7,276E-14
48	6	USL1	Combination		1401,398	-7,078E-14	430,086	-6,490E-14
48	41	ULS2	Combination		-902,503	2,953E-16	-374,383	-6,793E-15
48	6	ULS2	Combination		980,802	-2,953E-16	390,264	6,840E-15
48	41	ENVELOPE_ ULS	Combination	Max	-902,503	7,848E-14	-374,383	7,276E-14
48	6	ENVELOPE_ ULS	Combination	Max	1401,398	-2,953E-16	430,086	6,840E-15
48	41	ENVELOPE_ ULS	Combination	Min	-1303,200	2,953E-16	-473,854	-6,793E-15
48	6	ENVELOPE_ ULS	Combination	Min	980,802	-7,078E-14	390,264	-6,490E-14
48	41	SLS	Combination		-960,867	5,812E-14	-343,626	5,411E-14
48	6	SLS	Combination		1033,606	-5,242E-14	311,206	-4,829E-14
49	6	USL1	Combination		-1401,398	7,150E-14	-297,653	6,669E-14
49	42	USL1	Combination		1491,441	-6,337E-14	248,262	-6,557E-14
49	6	ULS2	Combination		-980,802	2,953E-16	-221,316	-6,840E-15
49	42	ULS2	Combination		1063,630	-2,953E-16	237,912	6,857E-15
49	6	ENVELOPE_ ULS	Combination	Max	-980,802	7,150E-14	-221,316	6,669E-14
49	42	ENVELOPE_ ULS	Combination	Max	1491,441	-2,953E-16	248,262	6,857E-15
49	6	ENVELOPE_ ULS	Combination	Min	-1401,398	2,953E-16	-297,653	-6,840E-15
49	42	ENVELOPE_ ULS	Combination	Min	1063,630	-6,337E-14	237,912	-6,557E-14
49	6	SLS	Combination		-1033,606	5,296E-14	-216,049	4,961E-14
49	42	SLS	Combination		1100,304	-4,694E-14	179,463	-4,879E-14
50	42	USL1	Combination		-1491,441	7,152E-14	-116,354	6,143E-14
50	5	USL1	Combination		1582,543	-6,335E-14	66,613	-5,589E-14
50	42	ULS2	Combination		-1063,630	2,953E-16	-69,587	-6,857E-15
50	5	ULS2	Combination		1147,479	-2,953E-16	86,182	6,874E-15

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
50	42	ENVELOPE_	Combination	Max	-1063,630	7,152E-14	-69,587	6,143E-14
		ULS						
50	5	ENVELOPE_	Combination	Max	1582,543	-2,953E-16	86,182	6,874E-15
		ULS						
50	42	ENVELOPE_	Combination	Min	-1491,441	2,953E-16	-116,354	-6,857E-15
		ULS						
50	5	ENVELOPE_	Combination	Min	1147,479	-6,335E-14	66,613	-5,589E-14
		ULS						
50	42	SLS	Combination		-1100,304	5,297E-14	-84,669	4,572E-14
50	5	SLS	Combination		1167,787	-4,692E-14	47,824	-4,161E-14
51	5	USL1	Combination		-1582,543	1,205E-13	65,233	5,122E-14
51	43	USL1	Combination		1498,528	-1,127E-13	-113,225	-5,920E-14
51	5	ULS2	Combination		-1147,479	2,953E-16	82,050	-6,874E-15
51	43	ULS2	Combination		1070,209	-2,953E-16	-66,047	6,858E-15
51	5	ENVELOPE_	Combination	Max	-1147,479	1,205E-13	82,050	5,122E-14
		ULS						
51	43	ENVELOPE_	Combination	Max	1498,528	-2,953E-16	-66,047	6,858E-15
		ULS						
51	5	ENVELOPE_	Combination	Min	-1582,543	2,953E-16	65,233	-6,874E-15
		ULS						
51	43	ENVELOPE_	Combination	Min	1070,209	-1,127E-13	-113,225	-5,920E-14
		ULS						
51	5	SLS	Combination		-1167,787	8,929E-14	46,935	3,815E-14
51	43	SLS	Combination		1105,554	-8,345E-14	-82,485	-4,407E-14
52	43	USL1	Combination		-1498,528	7,976E-14	245,389	5,986E-14
52	4	USL1	Combination		1415,534	-7,192E-14	-293,044	-5,952E-14
52	43	ULS2	Combination		-1070,209	2,953E-16	234,649	-6,858E-15
52	4	ULS2	Combination		993,923	-2,953E-16	-218,646	6,842E-15
52	43	ENVELOPE_	Combination	Max	-1070,209	7,976E-14	245,389	5,986E-14
		ULS						
52	4	ENVELOPE_	Combination	Max	1415,534	-2,953E-16	-218,646	6,842E-15
		ULS						
52	43	ENVELOPE_	Combination	Min	-1498,528	2,953E-16	234,649	-6,858E-15
		ULS						
52	4	ENVELOPE_	Combination	Min	993,923	-7,192E-14	-293,044	-5,952E-14
		ULS						
52	43	SLS	Combination		-1105,554	5,907E-14	177,470	4,456E-14
52	4	SLS	Combination		1044,077	-5,327E-14	-212,770	-4,430E-14
53	4	USL1	Combination		-1415,534	-1,142E-14	425,956	6,093E-14
53	44	USL1	Combination		1321,109	1,914E-14	-469,982	-6,864E-14
53	4	ULS2	Combination		-993,923	2,953E-16	388,110	-6,842E-15
53	44	ULS2	Combination		918,995	-2,953E-16	-372,190	6,797E-15
53	4	ENVELOPE_	Combination	Max	-993,923	2,953E-16	425,956	6,093E-14
		ULS						
53	44	ENVELOPE_	Combination	Max	1321,109	1,914E-14	-372,190	6,797E-15
		ULS						
53	4	ENVELOPE_	Combination	Min	-1415,534	-1,142E-14	388,110	-6,842E-15
		ULS						
53	44	ENVELOPE_	Combination	Min	918,995	-2,953E-16	-469,982	-6,864E-14
		ULS						
53	4	SLS	Combination		-1044,077	-8,469E-15	308,287	4,535E-14
53	44	SLS	Combination		974,133	1,419E-14	-340,898	-5,106E-14
54	44	USL1	Combination		-1321,109	1,732E-13	603,952	7,734E-14
54	3	USL1	Combination		1227,923	-1,656E-13	-647,078	-9,567E-14
54	44	ULS2	Combination		-918,995	2,953E-16	542,888	-6,797E-15
54	3	ULS2	Combination		845,013	-2,953E-16	-526,968	6,751E-15
54	44	ENVELOPE_	Combination	Max	-918,995	1,732E-13	603,952	7,734E-14
		ULS						
54	3	ENVELOPE_	Combination	Max	1227,923	-2,953E-16	-526,968	6,751E-15
		ULS						
54	44	ENVELOPE_	Combination	Min	-1321,109	2,953E-16	542,888	-6,797E-15
		ULS						

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
54	3	ENVELOPE_	Combination	Min	845,013	-1,656E-13	-647,078	-9,567E-14
		ULS						
54	44	SLS	Combination		-974,133	1,283E-13	437,162	5,750E-14
54	3	SLS	Combination		905,105	-1,226E-13	-469,108	-7,108E-14
55	3	USL1	Combination		-1227,923	6,399E-14	782,484	8,999E-14
55	45	USL1	Combination		1124,663	-5,653E-14	-819,298	-1,029E-13
55	3	ULS2	Combination		-845,013	2,953E-16	699,323	-6,751E-15
55	45	ULS2	Combination		772,201	-2,953E-16	-683,385	6,677E-15
55	3	ENVELOPE_	Combination	Max	-845,013	6,399E-14	782,484	8,999E-14
		ULS						
55	45	ENVELOPE_	Combination	Max	1124,663	-2,953E-16	-683,385	6,677E-15
		ULS						
55	3	ENVELOPE_	Combination	Min	-1227,923	2,953E-16	699,323	-6,751E-15
		ULS						
55	45	ENVELOPE_	Combination	Min	772,201	-5,653E-14	-819,298	-1,029E-13
		ULS						
55	3	SLS	Combination		-905,105	4,739E-14	566,387	6,687E-14
55	45	SLS	Combination		828,617	-4,187E-14	-593,656	-7,642E-14
56	45	USL1	Combination		-1124,663	-8,505E-16	956,288	1,068E-13
56	2	USL1	Combination		1023,736	8,119E-15	-991,755	-1,090E-13
56	45	ULS2	Combination		-772,201	2,953E-16	857,561	-6,677E-15
56	2	ULS2	Combination		700,945	-2,953E-16	-841,624	6,603E-15
56	45	ENVELOPE_	Combination	Max	-772,201	2,953E-16	956,288	1,068E-13
		ULS						
56	2	ENVELOPE_	Combination	Max	1023,736	8,119E-15	-841,624	6,603E-15
		ULS						
56	45	ENVELOPE_	Combination	Min	-1124,663	-8,505E-16	857,561	-6,677E-15
		ULS						
56	2	ENVELOPE_	Combination	Min	700,945	-2,953E-16	-991,755	-1,090E-13
		ULS						
56	45	SLS	Combination		-828,617	-6,376E-16	692,054	7,933E-14
56	2	SLS	Combination		753,856	6,022E-15	-718,326	-8,091E-14
57	2	USL1	Combination		-1023,736	2,492E-16	1130,603	1,010E-13
57	46	USL1	Combination		915,605	6,812E-15	-1157,508	-8,742E-14
57	2	ULS2	Combination		-700,945	2,953E-16	1017,906	-6,603E-15
57	46	ULS2	Combination		631,383	-2,953E-16	-1001,950	6,504E-15
57	2	ENVELOPE_	Combination	Max	-700,945	2,953E-16	1130,603	1,010E-13
		ULS						
57	46	ENVELOPE_	Combination	Max	915,605	6,812E-15	-1001,950	6,504E-15
		ULS						
57	2	ENVELOPE_	Combination	Min	-1023,736	2,492E-16	1017,906	-6,603E-15
		ULS						
57	46	ENVELOPE_	Combination	Min	631,383	-2,953E-16	-1157,508	-8,742E-14
		ULS						
57	2	SLS	Combination		-753,856	1,769E-16	818,039	7,505E-14
57	46	SLS	Combination		673,759	5,054E-15	-837,969	-6,496E-14
58	46	USL1	Combination		-915,605	-8,740E-14	1298,113	9,567E-14
58	1	USL1	Combination		810,784	9,422E-14	-1323,558	-8,213E-14
58	46	ULS2	Combination		-631,383	2,953E-16	1180,202	-6,504E-15
58	1	ULS2	Combination		563,819	-2,953E-16	-1164,246	6,405E-15
58	46	ENVELOPE_	Combination	Max	-631,383	2,953E-16	1298,113	9,567E-14
		ULS						
58	1	ENVELOPE_	Combination	Max	810,784	9,422E-14	-1164,246	6,405E-15
		ULS						
58	46	ENVELOPE_	Combination	Min	-915,605	-8,740E-14	1180,202	-6,504E-15
		ULS						
58	1	ENVELOPE_	Combination	Min	563,819	-2,953E-16	-1323,558	-8,213E-14
		ULS						
58	46	SLS	Combination		-673,759	-6,475E-14	938,926	7,107E-14
58	1	SLS	Combination		596,114	6,980E-14	-957,775	-6,104E-14
59	1	USL1	Combination		296,787	-6,527E-14	-272,135	2,129E-14
59	47	USL1	Combination		-296,787	7,038E-14	240,119	-2,129E-14

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
59	1	ULS2	Combination		432,529	-3,078E-15	-308,038	-2,912E-16
59	47	ULS2	Combination		-432,529	3,078E-15	317,780	2,912E-16
59	1	ENVELOPE_ ULS	Combination	Max	432,529	-3,078E-15	-272,135	2,129E-14
59	47	ENVELOPE_ ULS	Combination	Max	-296,787	7,038E-14	317,780	2,912E-16
59	1	ENVELOPE_ ULS	Combination	Min	296,787	-6,527E-14	-308,038	-2,912E-16
59	47	ENVELOPE_ ULS	Combination	Min	-432,529	3,078E-15	240,119	-2,129E-14
59	1	SLS	Combination		205,641	-4,826E-14	-193,208	1,580E-14
59	47	SLS	Combination		-205,641	5,205E-14	169,492	-1,580E-14
60	47	USL1	Combination		296,787	-3,529E-14	-95,930	1,889E-14
60	34	USL1	Combination		-296,787	4,041E-14	63,914	-1,889E-14
60	47	ULS2	Combination		432,529	-3,078E-15	-135,604	-2,912E-16
60	34	ULS2	Combination		-432,529	3,078E-15	145,346	2,912E-16
60	47	ENVELOPE_ ULS	Combination	Max	432,529	-3,078E-15	-95,930	1,889E-14
60	34	ENVELOPE_ ULS	Combination	Max	-296,787	4,041E-14	145,346	2,912E-16
60	47	ENVELOPE_ ULS	Combination	Min	296,787	-3,529E-14	-135,604	-2,912E-16
60	34	ENVELOPE_ ULS	Combination	Min	-432,529	3,078E-15	63,914	-1,889E-14
60	47	SLS	Combination		205,641	-2,606E-14	-65,989	1,402E-14
60	34	SLS	Combination		-205,641	2,985E-14	42,273	-1,402E-14
61	34	USL1	Combination		296,787	1,267E-14	81,988	2,125E-14
61	48	USL1	Combination		-296,787	-7,555E-15	-114,004	-2,112E-14
61	34	ULS2	Combination		432,529	-3,078E-15	38,662	-2,912E-16
61	48	ULS2	Combination		-432,529	3,078E-15	-28,920	2,912E-16
61	34	ENVELOPE_ ULS	Combination	Max	432,529	1,267E-14	81,988	2,125E-14
61	48	ENVELOPE_ ULS	Combination	Max	-296,787	3,078E-15	-28,920	2,912E-16
61	34	ENVELOPE_ ULS	Combination	Min	296,787	-3,078E-15	38,662	-2,912E-16
61	48	ENVELOPE_ ULS	Combination	Min	-432,529	-7,555E-15	-114,004	-2,112E-14
61	34	SLS	Combination		205,641	9,470E-15	62,448	1,577E-14
61	48	SLS	Combination		-205,641	-5,682E-15	-86,164	-1,567E-14
62	48	USL1	Combination		296,787	2,226E-14	261,657	2,605E-14
62	10	USL1	Combination		-296,787	-1,715E-14	-293,673	-2,592E-14
62	48	ULS2	Combination		432,529	-3,078E-15	214,785	-2,912E-16
62	10	ULS2	Combination		-432,529	3,078E-15	-205,043	2,912E-16
62	48	ENVELOPE_ ULS	Combination	Max	432,529	2,226E-14	261,657	2,605E-14
62	10	ENVELOPE_ ULS	Combination	Max	-296,787	3,078E-15	-205,043	2,912E-16
62	48	ENVELOPE_ ULS	Combination	Min	296,787	-3,078E-15	214,785	-2,912E-16
62	10	ENVELOPE_ ULS	Combination	Min	-432,529	-1,715E-14	-293,673	-2,592E-14
62	48	SLS	Combination		205,641	1,658E-14	192,132	1,932E-14
62	10	SLS	Combination		-205,641	-1,279E-14	-215,848	-1,923E-14
63	31	USL1	Combination		428,697	1,468E-14	-1907,264	-3,599E-13
63	49	USL1	Combination		-353,888	-1,468E-14	1931,503	3,457E-13
63	31	ULS2	Combination		336,802	2,953E-16	-1771,919	-4,999E-15
63	49	ULS2	Combination		-287,920	-2,953E-16	1796,158	5,139E-15
63	31	ENVELOPE_ ULS	Combination	Max	428,697	1,468E-14	-1771,919	-4,999E-15
63	49	ENVELOPE_ ULS	Combination	Max	-287,920	-2,953E-16	1931,503	3,457E-13

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
63	31	ENVELOPE_	Combination	Min	336,802	2,953E-16	-1907,264	-3,599E-13
		ULS						
63	49	ENVELOPE_	Combination	Min	-353,888	-1,468E-14	1796,158	5,139E-15
		ULS						
63	31	SLS	Combination		305,401	1,087E-14	-1373,142	-2,664E-13
63	49	SLS	Combination		-250,616	-1,087E-14	1391,097	2,559E-13
64	49	USL1	Combination		333,243	-1,676E-13	-1931,503	-3,601E-13
64	30	USL1	Combination		-252,938	1,676E-13	1955,742	2,451E-13
64	49	ULS2	Combination		263,006	2,953E-16	-1796,158	-5,139E-15
64	30	ULS2	Combination		-211,359	-2,953E-16	1820,398	5,280E-15
64	49	ENVELOPE_	Combination	Max	333,243	2,953E-16	-1796,158	-5,139E-15
		ULS						
64	30	ENVELOPE_	Combination	Max	-211,359	1,676E-13	1955,742	2,451E-13
		ULS						
64	49	ENVELOPE_	Combination	Min	263,006	-1,676E-13	-1931,503	-3,601E-13
		ULS						
64	30	ENVELOPE_	Combination	Min	-252,938	-2,953E-16	1820,398	5,280E-15
		ULS						
64	49	SLS	Combination		236,488	-1,241E-13	-1391,097	-2,665E-13
64	30	SLS	Combination		-177,631	1,241E-13	1409,052	1,814E-13
65	30	USL1	Combination		230,551	-3,306E-13	-1955,742	-2,691E-13
65	50	USL1	Combination		-144,749	3,306E-13	1979,981	1,205E-13
65	30	ULS2	Combination		184,448	2,953E-16	-1820,398	-5,280E-15
65	50	ULS2	Combination		-130,036	-2,953E-16	1844,637	5,421E-15
65	30	ENVELOPE_	Combination	Max	230,551	2,953E-16	-1820,398	-5,280E-15
		ULS						
65	50	ENVELOPE_	Combination	Max	-130,036	3,306E-13	1979,981	1,205E-13
		ULS						
65	30	ENVELOPE_	Combination	Min	184,448	-3,306E-13	-1955,742	-2,691E-13
		ULS						
65	50	ENVELOPE_	Combination	Min	-144,749	-2,953E-16	1844,637	5,421E-15
		ULS						
65	30	SLS	Combination		162,241	-2,449E-13	-1409,052	-1,991E-13
65	50	SLS	Combination		-99,312	2,449E-13	1427,007	8,910E-14
66	50	USL1	Combination		121,156	-1,004E-13	-1979,981	-1,061E-13
66	29	USL1	Combination		-29,857	1,004E-13	2004,220	6,791E-14
66	50	ULS2	Combination		101,742	2,953E-16	-1844,637	-5,421E-15
66	29	ULS2	Combination		-44,566	-2,953E-16	1868,876	5,561E-15
66	50	ENVELOPE_	Combination	Max	121,156	2,953E-16	-1844,637	-5,421E-15
		ULS						
66	29	ENVELOPE_	Combination	Max	-29,857	1,004E-13	2004,220	6,791E-14
		ULS						
66	50	ENVELOPE_	Combination	Min	101,742	-1,004E-13	-1979,981	-1,061E-13
		ULS						
66	29	ENVELOPE_	Combination	Min	-44,566	-2,953E-16	1868,876	5,561E-15
		ULS						
66	50	SLS	Combination		83,035	-7,440E-14	-1427,007	-7,845E-14
66	29	SLS	Combination		-16,035	7,440E-14	1444,962	5,012E-14
67	29	USL1	Combination		5,560	-1,916E-13	-2004,220	-8,230E-14
67	51	USL1	Combination		91,237	1,916E-13	2028,460	9,057E-16
67	29	ULS2	Combination		15,477	2,953E-16	-1868,876	-5,561E-15
67	51	ULS2	Combination		44,448	-2,953E-16	1893,115	5,702E-15
67	29	ENVELOPE_	Combination	Max	15,477	2,953E-16	-1868,876	-5,561E-15
		ULS						
67	51	ENVELOPE_	Combination	Max	91,237	1,916E-13	2028,460	9,057E-15
		ULS						
67	29	ENVELOPE_	Combination	Min	5,560	-1,916E-13	-2004,220	-8,230E-14
		ULS						
67	51	ENVELOPE_	Combination	Min	44,448	-2,953E-16	1893,115	9,057E-16
		ULS						
67	29	SLS	Combination		-0,775	-1,419E-13	-1444,962	-6,078E-14
67	51	SLS	Combination		71,848	1,419E-13	1462,917	4,868E-16

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
68	51	USL1	Combination		-115,752	-1,196E-13	-2028,460	2,787E-14
68	28	USL1	Combination		218,046	1,196E-13	2052,699	-7,090E-14
68	51	ULS2	Combination		-73,760	2,953E-16	-1893,115	-5,702E-15
68	28	ULS2	Combination		136,417	-2,953E-16	1917,354	5,842E-15
68	51	ENVELOPE_ ULS	Combination	Max	-73,760	2,953E-16	-1893,115	2,787E-14
68	28	ENVELOPE_ ULS	Combination	Max	218,046	1,196E-13	2052,699	5,842E-15
68	51	ENVELOPE_ ULS	Combination	Min	-115,752	-1,196E-13	-2028,460	-5,702E-15
68	28	ENVELOPE_ ULS	Combination	Min	136,417	-2,953E-16	1917,354	-7,090E-14
68	51	SLS	Combination		-88,850	-8,861E-14	-1462,917	2,083E-14
68	28	SLS	Combination		163,994	8,861E-14	1480,871	-5,270E-14
69	27	USL1	Combination		586,076	-4,487E-14	-388,270	9,236E-15
69	52	USL1	Combination		-467,291	4,487E-14	400,390	-3,152E-14
69	27	ULS2	Combination		629,255	-6,504E-15	-338,968	-1,235E-14
69	52	ULS2	Combination		-558,320	6,504E-15	351,088	9,249E-15
69	27	ENVELOPE_ ULS	Combination	Max	629,255	-6,504E-15	-338,968	9,236E-15
69	52	ENVELOPE_ ULS	Combination	Max	-467,291	4,487E-14	400,390	9,249E-15
69	27	ENVELOPE_ ULS	Combination	Min	586,076	-4,487E-14	-388,270	-1,235E-14
69	52	ENVELOPE_ ULS	Combination	Min	-558,320	6,504E-15	351,088	-3,152E-14
69	27	SLS	Combination		417,320	-3,309E-14	-282,823	7,174E-15
69	52	SLS	Combination		-329,960	3,309E-14	291,800	-2,361E-14
70	52	USL1	Combination		451,219	-2,089E-14	-400,390	2,672E-14
70	32	USL1	Combination		-326,937	2,089E-14	412,510	-4,181E-14
70	52	ULS2	Combination		538,368	-6,504E-15	-351,088	-9,249E-15
70	32	ULS2	Combination		-464,669	6,504E-15	363,207	6,152E-15
70	52	ENVELOPE_ ULS	Combination	Max	538,368	-6,504E-15	-351,088	2,672E-14
70	32	ENVELOPE_ ULS	Combination	Max	-326,937	2,089E-14	412,510	6,152E-15
70	52	ENVELOPE_ ULS	Combination	Min	451,219	-2,089E-14	-400,390	-9,249E-15
70	32	ENVELOPE_ ULS	Combination	Min	-464,669	6,504E-15	363,207	-4,181E-14
70	52	SLS	Combination		318,820	-1,532E-14	-291,800	2,005E-14
70	32	SLS	Combination		-227,387	1,532E-14	300,778	-3,116E-14
71	10	USL1	Combination		313,295	4,201E-14	443,090	3,978E-14
71	53	USL1	Combination		-434,183	-3,581E-14	-430,970	-4,848E-14
71	10	ULS2	Combination		452,111	-3,078E-15	392,781	-2,912E-16
71	53	ULS2	Combination		-522,416	3,078E-15	-380,661	1,757E-15
71	10	ENVELOPE_ ULS	Combination	Max	452,111	4,201E-14	443,090	3,978E-14
71	53	ENVELOPE_ ULS	Combination	Max	-434,183	3,078E-15	-380,661	1,757E-15
71	10	ENVELOPE_ ULS	Combination	Min	313,295	-3,078E-15	392,781	-2,912E-16
71	53	ENVELOPE_ ULS	Combination	Min	-522,416	-3,581E-14	-430,970	-4,848E-14
71	10	SLS	Combination		217,288	3,120E-14	323,073	2,949E-14
71	53	SLS	Combination		-306,206	-2,661E-14	-314,095	-3,597E-14
72	53	USL1	Combination		456,770	-1,120E-14	430,970	5,956E-14
72	23	USL1	Combination		-572,161	1,706E-14	-418,850	-5,853E-14
72	53	ULS2	Combination		548,675	-3,078E-15	380,661	-1,757E-15
72	23	ULS2	Combination		-616,215	3,078E-15	-368,542	3,223E-15
72	53	ENVELOPE_ ULS	Combination	Max	548,675	-3,078E-15	430,970	5,956E-14

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
72	23	ENVELOPE_	Combination	Max	-572,161	1,706E-14	-368,542	3,223E-15
		ULS						
72	53	ENVELOPE_	Combination	Min	456,770	-1,120E-14	380,661	-1,757E-15
		ULS						
72	23	ENVELOPE_	Combination	Min	-616,215	3,078E-15	-418,850	-5,853E-14
		ULS						
72	53	SLS	Combination		322,169	-8,212E-15	314,095	4,419E-14
72	23	SLS	Combination		-407,014	1,255E-14	-305,118	-4,346E-14
73	24	USL1	Combination		-228,304	-8,703E-14	2067,384	9,013E-14
73	54	USL1	Combination		129,405	9,188E-14	-2043,144	-7,462E-14
73	24	ULS2	Combination		-147,205	2,953E-16	1931,502	-5,842E-15
73	54	ULS2	Combination		87,943	-2,953E-16	-1907,263	5,702E-15
73	24	ENVELOPE_	Combination	Max	-147,205	2,953E-16	2067,384	9,013E-14
		ULS						
73	54	ENVELOPE_	Combination	Max	129,405	9,188E-14	-1907,263	5,702E-15
		ULS						
73	24	ENVELOPE_	Combination	Min	-228,304	-8,703E-14	1931,502	-5,842E-15
		ULS						
73	54	ENVELOPE_	Combination	Min	87,943	-2,953E-16	-2043,144	-7,462E-14
		ULS						
73	24	SLS	Combination		-171,607	-6,447E-14	1491,989	6,695E-14
73	54	SLS	Combination		98,977	6,807E-14	-1474,034	-5,546E-14
74	54	USL1	Combination		-94,948	-5,321E-14	2043,144	5,732E-14
74	25	USL1	Combination		1,546	5,773E-14	-2018,905	-2,761E-14
74	54	ULS2	Combination		-48,664	2,953E-16	1907,263	-5,702E-15
74	25	ULS2	Combination		-7,866	-2,953E-16	-1883,024	5,561E-15
74	54	ENVELOPE_	Combination	Max	-48,664	2,953E-16	2043,144	5,732E-14
		ULS						
74	25	ENVELOPE_	Combination	Max	1,546	5,773E-14	-1883,024	5,561E-15
		ULS						
74	54	ENVELOPE_	Combination	Min	-94,948	-5,321E-14	1907,263	-5,702E-15
		ULS						
74	25	ENVELOPE_	Combination	Min	-7,866	-2,953E-16	-2018,905	-2,761E-14
		ULS						
74	54	SLS	Combination		-74,611	-3,942E-14	1474,034	4,264E-14
74	25	SLS	Combination		6,053	4,277E-14	-1456,079	-2,063E-14
75	25	USL1	Combination		33,587	-4,036E-14	2018,905	2,290E-14
75	55	USL1	Combination		-121,492	4,454E-14	-1994,666	7,544E-16
75	25	ULS2	Combination		47,875	2,953E-16	1883,024	-5,561E-15
75	55	ULS2	Combination		-101,656	-2,953E-16	-1858,785	5,421E-15
75	25	ENVELOPE_	Combination	Max	47,875	2,953E-16	2018,905	2,290E-14
		ULS						
75	55	ENVELOPE_	Combination	Max	-101,656	4,454E-14	-1858,785	5,421E-15
		ULS						
75	25	ENVELOPE_	Combination	Min	33,587	-4,036E-14	1883,024	-5,561E-15
		ULS						
75	55	ENVELOPE_	Combination	Min	-121,492	-2,953E-16	-1994,666	7,544E-16
		ULS						
75	25	SLS	Combination		18,785	-2,990E-14	1456,079	1,714E-14
75	55	SLS	Combination		-83,271	3,300E-14	-1438,124	3,820E-16
76	55	USL1	Combination		156,831	3,048E-15	1994,666	9,083E-15
76	26	USL1	Combination		-239,239	7,963E-16	-1970,427	4,782E-15
76	55	ULS2	Combination		141,839	2,953E-16	1858,785	-5,421E-15
76	26	ULS2	Combination		-192,855	-2,953E-16	-1834,546	5,280E-15
76	55	ENVELOPE_	Combination	Max	156,831	3,048E-15	1994,666	9,083E-15
		ULS						
76	26	ENVELOPE_	Combination	Max	-192,855	7,963E-16	-1834,546	5,280E-15
		ULS						
76	55	ENVELOPE_	Combination	Min	141,839	2,953E-16	1858,785	-5,421E-15
		ULS						
76	26	ENVELOPE_	Combination	Min	-239,239	-2,953E-16	-1970,427	4,782E-15
		ULS						

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
76	55	SLS	Combination		108,251	2,250E-15	1438,124	6,905E-15
76	26	SLS	Combination		-168,665	5,975E-16	-1420,169	3,369E-15
77	26	USL1	Combination		274,297	-1,114E-14	1970,427	-1,482E-15
77	56	USL1	Combination		-351,208	1,465E-14	-1946,188	5,581E-15
77	26	ULS2	Combination		232,640	2,953E-16	1834,546	-5,280E-15
77	56	ULS2	Combination		-280,892	-2,953E-16	-1810,306	5,139E-15
77	26	ENVELOPE_ ULS	Combination	Max	274,297	2,953E-16	1970,427	-1,482E-15
77	56	ENVELOPE_ ULS	Combination	Max	-280,892	1,465E-14	-1810,306	5,581E-15
77	26	ENVELOPE_ ULS	Combination	Min	232,640	-1,114E-14	1834,546	-5,280E-15
77	56	ENVELOPE_ ULS	Combination	Min	-351,208	-2,953E-16	-1946,188	5,139E-15
77	26	SLS	Combination		193,445	-8,261E-15	1420,169	-9,248E-16
77	56	SLS	Combination		-249,787	1,086E-14	-1402,214	3,965E-15
78	56	USL1	Combination		385,465	-2,060E-14	1946,188	9,538E-15
78	11	USL1	Combination		-456,879	2,378E-14	-1921,949	4,010E-15
78	56	ULS2	Combination		319,679	2,953E-16	1810,306	-5,139E-15
78	11	ULS2	Combination		-365,167	-2,953E-16	-1786,067	4,999E-15
78	56	ENVELOPE_ ULS	Combination	Max	385,465	2,953E-16	1946,188	9,538E-15
78	11	ENVELOPE_ ULS	Combination	Max	-365,167	2,378E-14	-1786,067	4,999E-15
78	56	ENVELOPE_ ULS	Combination	Min	319,679	-2,060E-14	1810,306	-5,139E-15
78	11	ENVELOPE_ ULS	Combination	Min	-456,879	-2,953E-16	-1921,949	4,010E-15
78	56	SLS	Combination		274,002	-1,527E-14	1402,214	7,235E-15
78	11	SLS	Combination		-326,272	1,762E-14	-1384,259	2,804E-15

Table: Element Joint Forces - Frames, Part 2 of 2

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem
1	28	USL1		-1624,3100	-2,150E-13	1-1
1	35	USL1		1765,1491	2,150E-13	1-1
1	28	ULS2		-1790,1720	-1,529E-15	1-1
1	35	ULS2		1884,3979	1,529E-15	1-1
1	28	ENVELOPE_ ULS	Max	-1624,3100	-1,529E-15	1-1
1	35	ENVELOPE_ ULS	Max	1884,3979	2,150E-13	1-1
1	28	ENVELOPE_ ULS	Min	-1790,1720	-2,150E-13	1-1
1	35	ENVELOPE_ ULS	Min	1765,1491	1,529E-15	1-1
1	28	SLS		-1154,0638	-1,592E-13	1-1
1	35	SLS		1258,8905	1,592E-13	1-1
2	11	USL1		-1971,7268	4,585E-14	2-1
2	12	USL1		1012,8590	-5,160E-14	2-1
2	11	ULS2		-2098,4649	1,481E-15	2-1
2	12	ULS2		1146,8696	-1,240E-15	2-1
2	11	ENVELOPE_ ULS	Max	-1971,7268	4,585E-14	2-1
2	12	ENVELOPE_ ULS	Max	1146,8696	-1,240E-15	2-1
2	11	ENVELOPE_ ULS	Min	-2098,4649	1,481E-15	2-1

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem
2	12	ENVELOPE_ ULS	Min	1012,8590	-5,160E-14	2-1
2	11	SLS		-1390,5198	3,392E-14	2-1
2	12	SLS		700,5384	-3,819E-14	2-1
3	12	USL1		-1012,8590	6,419E-14	3-1
3	13	USL1		496,9339	-5,738E-14	3-1
3	12	ULS2		-1146,8696	1,240E-15	3-1
3	13	ULS2		590,2176	-1,026E-15	3-1
3	12	ENVELOPE_ ULS	Max	-1012,8590	6,419E-14	3-1
3	13	ENVELOPE_ ULS	Max	590,2176	-1,026E-15	3-1
3	12	ENVELOPE_ ULS	Min	-1146,8696	1,240E-15	3-1
3	13	ENVELOPE_ ULS	Min	496,9339	-5,738E-14	3-1
3	12	SLS		-700,5384	4,751E-14	3-1
3	13	SLS		334,5040	-4,247E-14	3-1
4	13	USL1		-496,9339	3,370E-14	4-1
4	14	USL1		193,0474	-6,676E-14	4-1
4	13	ULS2		-590,2176	1,026E-15	4-1
4	14	ULS2		221,3155	-8,098E-16	4-1
4	13	ENVELOPE_ ULS	Max	-496,9339	3,370E-14	4-1
4	14	ENVELOPE_ ULS	Max	221,3155	-8,098E-16	4-1
4	13	ENVELOPE_ ULS	Min	-590,2176	1,026E-15	4-1
4	14	ENVELOPE_ ULS	Min	193,0474	-6,676E-14	4-1
4	13	SLS		-334,5040	2,493E-14	4-1
4	14	SLS		125,1019	-4,943E-14	4-1
5	14	USL1		-193,0474	5,896E-14	5-1
5	15	USL1		-135,5237	-5,871E-14	5-1
5	14	ULS2		-221,3155	8,098E-16	5-1
5	15	ULS2		-164,0616	-5,594E-16	5-1
5	14	ENVELOPE_ ULS	Max	-193,0474	5,896E-14	5-1
5	15	ENVELOPE_ ULS	Max	-135,5237	-5,594E-16	5-1
5	14	ENVELOPE_ ULS	Min	-221,3155	8,098E-16	5-1
5	15	ENVELOPE_ ULS	Min	-164,0616	-5,871E-14	5-1
5	14	SLS		-125,1019	4,365E-14	5-1
5	15	SLS		-97,1550	-4,347E-14	5-1
6	15	USL1		135,5237	6,321E-14	6-1
6	16	USL1		-505,4306	-8,422E-14	6-1
6	15	ULS2		164,0616	5,594E-16	6-1
6	16	ULS2		-572,3635	-2,834E-16	6-1
6	15	ENVELOPE_ ULS	Max	164,0616	6,321E-14	6-1
6	16	ENVELOPE_ ULS	Max	-505,4306	-2,834E-16	6-1
6	15	ENVELOPE_ ULS	Min	135,5237	5,594E-16	6-1
6	16	ENVELOPE_ ULS	Min	-572,3635	-8,422E-14	6-1
6	15	SLS		97,1550	4,680E-14	6-1
6	16	SLS		-344,8509	-6,237E-14	6-1
7	16	USL1		505,4306	1,062E-13	7-1
7	17	USL1		-482,9275	-1,463E-13	7-1

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2	M3	FrameElem
				KN-m	KN-m	
7	16	ULS2		572,3635	2,834E-16	7-1
7	17	ULS2		-564,4580	2,357E-17	7-1
7	16	ENVELOPE_ ULS	Max	572,3635	1,062E-13	7-1
7	17	ENVELOPE_ ULS	Max	-482,9275	2,357E-17	7-1
7	16	ENVELOPE_ ULS	Min	505,4306	2,834E-16	7-1
7	17	ENVELOPE_ ULS	Min	-564,4580	-1,463E-13	7-1
7	16	SLS		344,8509	7,869E-14	7-1
7	17	SLS		-330,1788	-1,083E-13	7-1
8	17	USL1		482,9275	1,374E-13	8-1
8	18	USL1		-517,2956	-1,124E-13	8-1
8	17	ULS2		564,4580	-2,357E-17	8-1
8	18	ULS2		-583,3604	3,413E-16	8-1
8	17	ENVELOPE_ ULS	Max	564,4580	1,374E-13	8-1
8	18	ENVELOPE_ ULS	Max	-517,2956	3,413E-16	8-1
8	17	ENVELOPE_ ULS	Min	482,9275	-2,357E-17	8-1
8	18	ENVELOPE_ ULS	Min	-583,3604	-1,124E-13	8-1
8	17	SLS		330,1788	1,018E-13	8-1
8	18	SLS		-353,7608	-8,324E-14	8-1
9	18	USL1		517,2956	1,235E-13	9-1
9	19	USL1		-156,2592	-9,411E-14	9-1
9	18	ULS2		583,3604	-3,413E-16	9-1
9	19	ULS2		-183,3033	6,159E-16	9-1
9	18	ENVELOPE_ ULS	Max	583,3604	1,235E-13	9-1
9	19	ENVELOPE_ ULS	Max	-156,2592	6,159E-16	9-1
9	18	ENVELOPE_ ULS	Min	517,2956	-3,413E-16	9-1
9	19	ENVELOPE_ ULS	Min	-183,3033	-9,411E-14	9-1
9	18	SLS		353,7608	9,146E-14	9-1
9	19	SLS		-112,6138	-6,972E-14	9-1
10	19	USL1		156,2592	1,033E-13	10-1
10	20	USL1		168,9845	-6,149E-14	10-1
10	19	ULS2		183,3033	-6,159E-16	10-1
10	20	ULS2		199,1109	8,642E-16	10-1
10	19	ENVELOPE_ ULS	Max	183,3033	1,033E-13	10-1
10	20	ENVELOPE_ ULS	Max	199,1109	8,642E-16	10-1
10	19	ENVELOPE_ ULS	Min	156,2592	-6,159E-16	10-1
10	20	ENVELOPE_ ULS	Min	168,9845	-6,149E-14	10-1
10	19	SLS		112,6138	7,649E-14	10-1
10	20	SLS		107,2477	-4,556E-14	10-1
11	20	USL1		-168,9845	6,718E-14	11-1
11	21	USL1		479,5631	2,986E-14	11-1
11	20	ULS2		-199,1109	-8,642E-16	11-1
11	21	ULS2		574,5331	1,078E-15	11-1
11	20	ENVELOPE_ ULS	Max	-168,9845	6,718E-14	11-1
11	21	ENVELOPE_ ULS	Max	574,5331	2,986E-14	11-1

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2	M3	FrameElem
				KN-m	KN-m	
11	20	ENVELOPE_ ULS	Min	-199,1109	-8,642E-16	11-1
11	21	ENVELOPE_ ULS	Min	479,5631	1,078E-15	11-1
11	20	SLS		-107,2477	4,978E-14	11-1
11	21	SLS		321,6201	2,209E-14	11-1
12	21	USL1		-479,5631	-1,906E-14	12-1
12	22	USL1		1011,3487	8,642E-14	12-1
12	21	ULS2		-574,5331	-1,078E-15	12-1
12	22	ULS2		1146,5241	1,291E-15	12-1
12	21	ENVELOPE_ ULS	Max	-479,5631	-1,078E-15	12-1
12	22	ENVELOPE_ ULS	Max	1146,5241	8,642E-14	12-1
12	21	ENVELOPE_ ULS	Min	-574,5331	-1,906E-14	12-1
12	22	ENVELOPE_ ULS	Min	1011,3487	1,291E-15	12-1
12	21	SLS		-321,6201	-1,410E-14	12-1
12	22	SLS		699,2858	6,399E-14	12-1
13	22	USL1		-1011,3487	-8,103E-14	13-1
13	31	USL1		1976,9943	2,473E-13	13-1
13	22	ULS2		-1146,5241	-1,291E-15	13-1
13	31	ULS2		2105,3240	1,529E-15	13-1
13	22	ENVELOPE_ ULS	Max	-1011,3487	-1,291E-15	13-1
13	31	ENVELOPE_ ULS	Max	2105,3240	2,473E-13	13-1
13	22	ENVELOPE_ ULS	Min	-1146,5241	-8,103E-14	13-1
13	31	ENVELOPE_ ULS	Min	1976,9943	1,529E-15	13-1
13	22	SLS		-699,2858	-5,999E-14	13-1
13	31	SLS		1394,4166	1,832E-13	13-1
17	32	USL1		-140,3436	-5,703E-14	17-1
17	37	USL1		44,7170	6,911E-14	17-1
17	32	ULS2		-109,8749	1,028E-14	17-1
17	37	ULS2		39,7051	-7,790E-15	17-1
17	32	ENVELOPE_ ULS	Max	-109,8749	1,028E-14	17-1
17	37	ENVELOPE_ ULS	Max	44,7170	6,911E-14	17-1
17	32	ENVELOPE_ ULS	Min	-140,3436	-5,703E-14	17-1
17	37	ENVELOPE_ ULS	Min	39,7051	-7,790E-15	17-1
17	32	SLS		-102,4566	-4,251E-14	17-1
17	37	SLS		32,1277	5,140E-14	17-1
26	35	USL1		-892,9942	-6,046E-14	26-1
26	27	USL1		576,9082	6,046E-14	26-1
26	35	ULS2		-959,5832	1,028E-14	26-1
26	27	ULS2		631,7300	-1,028E-14	26-1
26	35	ENVELOPE_ ULS	Max	-892,9942	1,028E-14	26-1
26	27	ENVELOPE_ ULS	Max	631,7300	6,046E-14	26-1
26	35	ENVELOPE_ ULS	Min	-959,5832	-6,046E-14	26-1
26	27	ENVELOPE_ ULS	Min	576,9082	-1,028E-14	26-1
26	35	SLS		-636,3284	-4,506E-14	26-1
26	27	SLS		410,7889	4,506E-14	26-1

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2	M3	FrameElem
				KN-m	KN-m	
33	37	USL1		-44,7170	-6,791E-14	33-1
33	33	USL1		16,9245	6,441E-14	33-1
33	37	ULS2		-39,7051	7,790E-15	33-1
33	33	ULS2		35,9236	-5,300E-15	33-1
33	37	ENVELOPE_ ULS	Max	-39,7051	7,790E-15	33-1
33	33	ENVELOPE_ ULS	Max	35,9236	6,441E-14	33-1
33	37	ENVELOPE_ ULS	Min	-44,7170	-6,791E-14	33-1
33	33	ENVELOPE_ ULS	Min	16,9245	-5,300E-15	33-1
33	37	SLS		-32,1277	-5,052E-14	33-1
33	33	SLS		10,7394	4,786E-14	33-1
37	23	USL1		-568,5723	9,677E-15	37-1
37	36	USL1		880,7186	-9,677E-15	37-1
37	23	ULS2		-623,6786	-5,311E-15	37-1
37	36	ULS2		947,9378	5,311E-15	37-1
37	23	ENVELOPE_ ULS	Max	-568,5723	9,677E-15	37-1
37	36	ENVELOPE_ ULS	Max	947,9378	5,311E-15	37-1
37	23	ENVELOPE_ ULS	Min	-623,6786	-5,311E-15	37-1
37	36	ENVELOPE_ ULS	Min	880,7186	-9,677E-15	37-1
37	23	SLS		-404,6267	7,303E-15	37-1
37	36	SLS		627,2476	-7,303E-15	37-1
38	36	USL1		-1747,0342	4,225E-14	38-1
38	24	USL1		1597,8033	-4,225E-14	38-1
38	36	ULS2		-1865,7059	1,481E-15	38-1
38	24	ULS2		1762,8515	-1,481E-15	38-1
38	36	ENVELOPE_ ULS	Max	-1747,0342	4,225E-14	38-1
38	24	ENVELOPE_ ULS	Max	1762,8515	-1,481E-15	38-1
38	36	ENVELOPE_ ULS	Min	-1865,7059	1,481E-15	38-1
38	24	ENVELOPE_ ULS	Min	1597,8033	-4,225E-14	38-1
38	36	SLS		-1245,5146	3,125E-14	38-1
38	24	SLS		1134,4654	-3,125E-14	38-1
39	1	USL1		172,1019	5,963E-14	39-1
39	36	USL1		866,3156	-4,516E-14	39-1
39	1	ULS2		148,5235	1,627E-15	39-1
39	36	ULS2		917,7681	-6,792E-15	39-1
39	1	ENVELOPE_ ULS	Max	172,1019	5,963E-14	39-1
39	36	ENVELOPE_ ULS	Max	917,7681	-6,792E-15	39-1
39	1	ENVELOPE_ ULS	Min	148,5235	1,627E-15	39-1
39	36	ENVELOPE_ ULS	Min	866,3156	-4,516E-14	39-1
39	1	SLS		125,1334	4,414E-14	39-1
39	36	SLS		618,2669	-3,328E-14	39-1
40	9	USL1		-144,0504	1,070E-13	40-1
40	35	USL1		-872,1549	-1,545E-13	40-1
40	9	ULS2		-123,4632	1,657E-15	40-1
40	35	ULS2		-924,8147	-1,181E-14	40-1
40	9	ENVELOPE_ ULS	Max	-123,4632	1,070E-13	40-1

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2	M3	FrameElem
				KN-m	KN-m	
40	35	ENVELOPE_ ULS	Max	-872,1549	-1,181E-14	40-1
40	9	ENVELOPE_ ULS	Min	-144,0504	1,657E-15	40-1
40	35	ENVELOPE_ ULS	Min	-924,8147	-1,545E-13	40-1
40	9	SLS		-104,8234	7,921E-14	40-1
40	35	SLS		-622,5622	-1,141E-13	40-1
41	33	USL1		-16,9245	-6,199E-14	41-1
41	38	USL1		54,1175	6,676E-14	41-1
41	33	ULS2		-35,9236	5,300E-15	41-1
41	38	ULS2		94,8991	-2,935E-15	41-1
41	33	ENVELOPE_ ULS	Max	-16,9245	5,300E-15	41-1
41	38	ENVELOPE_ ULS	Max	94,8991	6,676E-14	41-1
41	33	ENVELOPE_ ULS	Min	-35,9236	-6,199E-14	41-1
41	38	ENVELOPE_ ULS	Min	54,1175	-2,935E-15	41-1
41	33	SLS		-10,7394	-4,607E-14	41-1
41	38	SLS		36,3055	4,955E-14	41-1
42	38	USL1		-54,1175	-6,196E-14	42-1
42	9	USL1		154,0982	6,912E-14	42-1
42	38	ULS2		-94,8991	2,935E-15	42-1
42	9	ULS2		215,9806	-5,693E-16	42-1
42	38	ENVELOPE_ ULS	Max	-54,1175	2,935E-15	42-1
42	9	ENVELOPE_ ULS	Max	215,9806	6,912E-14	42-1
42	38	ENVELOPE_ ULS	Min	-94,8991	-6,196E-14	42-1
42	9	ENVELOPE_ ULS	Min	154,0982	-5,693E-16	42-1
42	38	SLS		-36,3055	-4,599E-14	42-1
42	9	SLS		107,1754	5,124E-14	42-1
43	9	USL1		-10,0479	-1,812E-13	43-1
43	39	USL1		-215,8234	1,775E-13	43-1
43	9	ULS2		-92,5174	-1,088E-15	43-1
43	39	ULS2		-166,2736	9,757E-16	43-1
43	9	ENVELOPE_ ULS	Max	-10,0479	-1,088E-15	43-1
43	39	ENVELOPE_ ULS	Max	-166,2736	1,775E-13	43-1
43	9	ENVELOPE_ ULS	Min	-92,5174	-1,812E-13	43-1
43	39	ENVELOPE_ ULS	Min	-215,8234	9,757E-16	43-1
43	9	SLS		-2,3520	-1,342E-13	43-1
43	39	SLS		-157,7552	1,314E-13	43-1
44	39	USL1		215,8234	-1,715E-13	44-1
44	8	USL1		-343,1241	1,821E-13	44-1
44	39	ULS2		166,2736	-9,757E-16	44-1
44	8	ULS2		-340,5787	8,637E-16	44-1
44	39	ENVELOPE_ ULS	Max	215,8234	-9,757E-16	44-1
44	8	ENVELOPE_ ULS	Max	-340,5787	1,821E-13	44-1
44	39	ENVELOPE_ ULS	Min	166,2736	-1,715E-13	44-1
44	8	ENVELOPE_ ULS	Min	-343,1241	8,637E-16	44-1

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2	M3	FrameElem
				KN-m	KN-m	
44	39	SLS		157,7552	-1,270E-13	44-1
44	8	SLS		-246,0640	1,349E-13	44-1
45	8	USL1		343,1241	-1,882E-13	45-1
45	40	USL1		-498,2886	1,916E-13	45-1
45	8	ULS2		340,5787	-8,637E-16	45-1
45	40	ULS2		-526,3594	7,366E-16	45-1
45	8	ENVELOPE_ ULS	Max	343,1241	-8,637E-16	45-1
45	40	ENVELOPE_ ULS	Max	-498,2886	1,916E-13	45-1
45	8	ENVELOPE_ ULS	Min	340,5787	-1,882E-13	45-1
45	40	ENVELOPE_ ULS	Min	-526,3594	7,366E-16	45-1
45	8	SLS		246,0640	-1,394E-13	45-1
45	40	SLS		-355,0383	1,419E-13	45-1
46	40	USL1		498,2886	-2,108E-13	46-1
46	7	USL1		-552,9187	1,867E-13	46-1
46	40	ULS2		526,3594	-7,366E-16	46-1
46	7	ULS2		-625,5285	6,095E-16	46-1
46	40	ENVELOPE_ ULS	Max	526,3594	-7,366E-16	46-1
46	7	ENVELOPE_ ULS	Max	-552,9187	1,867E-13	46-1
46	40	ENVELOPE_ ULS	Min	498,2886	-2,108E-13	46-1
46	7	ENVELOPE_ ULS	Min	-625,5285	6,095E-16	46-1
46	40	SLS		355,0383	-1,562E-13	46-1
46	7	SLS		-390,8706	1,383E-13	46-1
47	7	USL1		552,9187	-1,892E-13	47-1
47	41	USL1		-652,4040	1,590E-13	47-1
47	7	ULS2		625,5285	-6,095E-16	47-1
47	41	ULS2		-743,0786	4,696E-16	47-1
47	7	ENVELOPE_ ULS	Max	625,5285	-6,095E-16	47-1
47	41	ENVELOPE_ ULS	Max	-652,4040	1,590E-13	47-1
47	7	ENVELOPE_ ULS	Min	552,9187	-1,892E-13	47-1
47	41	ENVELOPE_ ULS	Min	-743,0786	4,696E-16	47-1
47	7	SLS		390,8706	-1,401E-13	47-1
47	41	SLS		-460,3651	1,178E-13	47-1
48	41	USL1		652,4040	-1,543E-13	48-1
48	6	USL1		-652,8509	1,253E-13	48-1
48	41	ULS2		743,0786	-4,696E-16	48-1
48	6	ULS2		-775,3796	3,298E-16	48-1
48	41	ENVELOPE_ ULS	Max	743,0786	-4,696E-16	48-1
48	6	ENVELOPE_ ULS	Max	-652,8509	1,253E-13	48-1
48	41	ENVELOPE_ ULS	Min	652,4040	-1,543E-13	48-1
48	6	ENVELOPE_ ULS	Min	-775,3796	3,298E-16	48-1
48	41	SLS		460,3651	-1,143E-13	48-1
48	6	SLS		-457,9087	9,283E-14	48-1
49	6	USL1		652,8509	-1,398E-13	49-1
49	42	USL1		-712,4144	1,012E-13	49-1
49	6	ULS2		775,3796	-3,298E-16	49-1
49	42	ULS2		-836,5025	1,767E-16	49-1

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2	M3	FrameElem
				KN-m	KN-m	
49	6	ENVELOPE_ ULS	Max	775,3796	-3,298E-16	49-1
49	42	ENVELOPE_ ULS	Max	-712,4144	1,012E-13	49-1
49	6	ENVELOPE_ ULS	Min	652,8509	-1,398E-13	49-1
49	42	ENVELOPE_ ULS	Min	-836,5025	1,767E-16	49-1
49	6	SLS		457,9087	-1,035E-13	49-1
49	42	SLS		-499,9831	7,500E-14	49-1
50	42	USL1		712,4144	-7,127E-14	50-1
50	5	USL1		-672,7289	4,114E-14	50-1
50	42	ULS2		836,5025	-1,767E-16	50-1
50	5	ULS2		-814,2120	2,357E-17	50-1
50	42	ENVELOPE_ ULS	Max	836,5025	-1,767E-16	50-1
50	5	ENVELOPE_ ULS	Max	-672,7289	4,114E-14	50-1
50	42	ENVELOPE_ ULS	Min	712,4144	-7,127E-14	50-1
50	5	ENVELOPE_ ULS	Min	-814,2120	2,357E-17	50-1
50	42	SLS		499,9831	-5,279E-14	50-1
50	5	SLS		-470,0516	3,048E-14	50-1
51	5	USL1		672,7289	-4,352E-14	51-1
51	43	USL1		-709,2943	-1,658E-14	51-1
51	5	ULS2		814,2120	-2,357E-17	51-1
51	43	ULS2		-835,6253	-1,241E-16	51-1
51	5	ENVELOPE_ ULS	Max	814,2120	-2,357E-17	51-1
51	43	ENVELOPE_ ULS	Max	-709,2943	-1,241E-16	51-1
51	5	ENVELOPE_ ULS	Min	672,7289	-4,352E-14	51-1
51	43	ENVELOPE_ ULS	Min	-835,6253	-1,658E-14	51-1
51	5	SLS		470,0516	-3,224E-14	51-1
51	43	SLS		-497,5950	-1,228E-14	51-1
52	43	USL1		709,2943	1,299E-14	52-1
52	4	USL1		-651,4088	-5,270E-14	52-1
52	43	ULS2		835,6253	1,241E-16	52-1
52	4	ULS2		-776,6450	-2,719E-16	52-1
52	43	ENVELOPE_ ULS	Max	835,6253	1,299E-14	52-1
52	4	ENVELOPE_ ULS	Max	-651,4088	-2,719E-16	52-1
52	43	ENVELOPE_ ULS	Min	709,2943	1,241E-16	52-1
52	4	ENVELOPE_ ULS	Min	-776,6450	-5,270E-14	52-1
52	43	SLS		497,5950	9,613E-15	52-1
52	4	SLS		-456,6323	-3,903E-14	52-1
53	4	USL1		651,4088	6,112E-14	53-1
53	44	USL1		-649,9634	-6,006E-14	53-1
53	4	ULS2		776,6450	2,719E-16	53-1
53	44	ULS2		-743,7624	-4,124E-16	53-1
53	4	ENVELOPE_ ULS	Max	776,6450	6,112E-14	53-1
53	44	ENVELOPE_ ULS	Max	-649,9634	-4,124E-16	53-1
53	4	ENVELOPE_ ULS	Min	651,4088	2,719E-16	53-1

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem
53	44	ENVELOPE_ ULS	Min	-743,7624	-6,006E-14	53-1
53	4	SLS		456,6323	4,526E-14	53-1
53	44	SLS		-458,3142	-4,447E-14	53-1
54	44	USL1		649,9634	5,407E-14	54-1
54	3	USL1		-549,4981	-1,250E-13	54-1
54	44	ULS2		743,7624	4,124E-16	54-1
54	3	ULS2		-625,6909	-5,529E-16	54-1
54	44	ENVELOPE_ ULS	Max	743,7624	5,407E-14	54-1
54	3	ENVELOPE_ ULS	Max	-549,4981	-5,529E-16	54-1
54	44	ENVELOPE_ ULS	Min	649,9634	4,124E-16	54-1
54	3	ENVELOPE_ ULS	Min	-625,6909	-1,250E-13	54-1
54	44	SLS		458,3142	4,004E-14	54-1
54	3	SLS		-388,0629	-9,254E-14	54-1
55	3	USL1		549,4981	1,382E-13	55-1
55	45	USL1		-496,4844	-1,659E-13	55-1
55	3	ULS2		625,6909	5,529E-16	55-1
55	45	ULS2		-528,1835	-6,810E-16	55-1
55	3	ENVELOPE_ ULS	Max	625,6909	1,382E-13	55-1
55	45	ENVELOPE_ ULS	Max	-496,4844	-6,810E-16	55-1
55	3	ENVELOPE_ ULS	Min	549,4981	5,529E-16	55-1
55	45	ENVELOPE_ ULS	Min	-528,1835	-1,659E-13	55-1
55	3	SLS		388,0629	1,023E-13	55-1
55	45	SLS		-353,4161	-1,229E-13	55-1
56	45	USL1		496,4844	1,647E-13	56-1
56	2	USL1		-342,7748	-1,552E-13	56-1
56	45	ULS2		528,1835	6,810E-16	56-1
56	2	ULS2		-343,9704	-8,092E-16	56-1
56	45	ENVELOPE_ ULS	Max	528,1835	1,647E-13	56-1
56	2	ENVELOPE_ ULS	Max	-342,7748	-8,092E-16	56-1
56	45	ENVELOPE_ ULS	Min	496,4844	6,810E-16	56-1
56	2	ENVELOPE_ ULS	Min	-343,9704	-1,552E-13	56-1
56	45	SLS		353,4161	1,220E-13	56-1
56	2	SLS		-245,5145	-1,150E-13	56-1
57	2	USL1		342,7748	1,709E-13	57-1
57	46	USL1		-241,4106	-1,458E-13	57-1
57	2	ULS2		343,9704	8,092E-16	57-1
57	46	ULS2		-190,8646	-9,192E-16	57-1
57	2	ENVELOPE_ ULS	Max	343,9704	1,709E-13	57-1
57	46	ENVELOPE_ ULS	Max	-190,8646	-9,192E-16	57-1
57	2	ENVELOPE_ ULS	Min	342,7748	8,092E-16	57-1
57	46	ENVELOPE_ ULS	Min	-241,4106	-1,458E-13	57-1
57	2	SLS		245,5145	1,265E-13	57-1
57	46	SLS		-176,1813	-1,080E-13	57-1
58	46	USL1		241,4106	1,374E-13	58-1
58	1	USL1		-42,1343	-1,351E-13	58-1

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2	M3	FrameElem
				KN-m	KN-m	
58	46	ULS2		190,8646	9,192E-16	58-1
58	1	ULS2		45,7605	-1,029E-15	58-1
58	46	ENVELOPE_ ULS	Max	241,4106	1,374E-13	58-1
58	1	ENVELOPE_ ULS	Max	45,7605	-1,029E-15	58-1
58	46	ENVELOPE_ ULS	Min	190,8646	9,192E-16	58-1
58	1	ENVELOPE_ ULS	Min	-42,1343	-1,351E-13	58-1
58	46	SLS		176,1813	1,017E-13	58-1
58	1	SLS		-35,5116	-1,001E-13	58-1
59	1	USL1		-129,9676	6,039E-14	59-1
59	47	USL1		31,9169	-4,842E-14	59-1
59	1	ULS2		-194,2840	-5,978E-16	59-1
59	47	ULS2		74,4962	1,776E-15	59-1
59	1	ENVELOPE_ ULS	Max	-129,9676	6,039E-14	59-1
59	47	ENVELOPE_ ULS	Max	74,4962	1,776E-15	59-1
59	1	ENVELOPE_ ULS	Min	-194,2840	-5,978E-16	59-1
59	47	ENVELOPE_ ULS	Min	31,9169	-4,842E-14	59-1
59	1	SLS		-89,6219	4,474E-14	59-1
59	47	SLS		20,1975	-3,590E-14	59-1
60	47	USL1		-31,9169	3,403E-14	60-1
60	34	USL1		1,3212	-2,806E-14	60-1
60	47	ULS2		-74,4962	-1,776E-15	60-1
60	34	ULS2		20,7194	2,954E-15	60-1
60	47	ENVELOPE_ ULS	Max	-31,9169	3,403E-14	60-1
60	34	ENVELOPE_ ULS	Max	20,7194	2,954E-15	60-1
60	47	ENVELOPE_ ULS	Min	-74,4962	-1,776E-15	60-1
60	34	ENVELOPE_ ULS	Min	1,3212	-2,806E-14	60-1
60	47	SLS		-20,1975	2,524E-14	60-1
60	34	SLS		-0,5250	-2,085E-14	60-1
61	34	USL1		-1,3212	5,204E-14	61-1
61	48	USL1		38,8363	-2,208E-14	61-1
61	34	ULS2		-20,7194	-2,954E-15	61-1
61	48	ULS2		33,6552	4,133E-15	61-1
61	34	ENVELOPE_ ULS	Max	-1,3212	5,204E-14	61-1
61	48	ENVELOPE_ ULS	Max	38,8363	4,133E-15	61-1
61	34	ENVELOPE_ ULS	Min	-20,7194	-2,954E-15	61-1
61	48	ENVELOPE_ ULS	Min	33,6552	-2,208E-14	61-1
61	34	SLS		0,5250	3,862E-14	61-1
61	48	SLS		27,9209	-1,646E-14	61-1
62	48	USL1		-38,8363	1,609E-14	62-1
62	10	USL1		145,1319	-1,851E-14	62-1
62	48	ULS2		-33,6552	-4,133E-15	62-1
62	10	ULS2		114,0145	5,311E-15	62-1
62	48	ENVELOPE_ ULS	Max	-33,6552	1,609E-14	62-1
62	10	ENVELOPE_ ULS	Max	145,1319	5,311E-15	62-1

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2	M3	FrameElem
				KN-m	KN-m	
62	48	ENVELOPE_ ULS	Min	-38,8363	-4,133E-15	62-1
62	10	ENVELOPE_ ULS	Min	114,0145	-1,851E-14	62-1
62	48	SLS		-27,9209	1,202E-14	62-1
62	10	SLS		106,0123	-1,384E-14	62-1
63	31	USL1		-1976,9943	-2,485E-13	63-1
63	49	USL1		1790,4246	2,485E-13	63-1
63	31	ULS2		-2105,3240	-1,529E-15	63-1
63	49	ULS2		1956,4535	1,529E-15	63-1
63	31	ENVELOPE_ ULS	Max	-1976,9943	-1,529E-15	63-1
63	49	ENVELOPE_ ULS	Max	1956,4535	2,485E-13	63-1
63	31	ENVELOPE_ ULS	Min	-2105,3240	-2,485E-13	63-1
63	49	ENVELOPE_ ULS	Min	1790,4246	1,529E-15	63-1
63	31	SLS		-1394,4166	-1,841E-13	63-1
63	49	SLS		1261,8545	1,841E-13	63-1
64	49	USL1		-1790,4246	-2,341E-13	64-1
64	30	USL1		1650,6232	2,341E-13	64-1
64	49	ULS2		-1956,4535	-1,529E-15	64-1
64	30	ULS2		1843,3866	1,529E-15	64-1
64	49	ENVELOPE_ ULS	Max	-1790,4246	-1,529E-15	64-1
64	30	ENVELOPE_ ULS	Max	1843,3866	2,341E-13	64-1
64	49	ENVELOPE_ ULS	Min	-1956,4535	-2,341E-13	64-1
64	30	ENVELOPE_ ULS	Min	1650,6232	1,529E-15	64-1
64	49	SLS		-1261,8545	-1,734E-13	64-1
64	30	SLS		1163,0815	1,734E-13	64-1
65	30	USL1		-1650,6232	-2,317E-13	65-1
65	50	USL1		1561,0374	2,317E-13	65-1
65	30	ULS2		-1843,3866	-1,529E-15	65-1
65	50	ULS2		1768,3910	1,529E-15	65-1
65	30	ENVELOPE_ ULS	Max	-1650,6232	-1,529E-15	65-1
65	50	ENVELOPE_ ULS	Max	1768,3910	2,317E-13	65-1
65	30	ENVELOPE_ ULS	Min	-1843,3866	-2,317E-13	65-1
65	50	ENVELOPE_ ULS	Min	1561,0374	1,529E-15	65-1
65	30	SLS		-1163,0815	-1,716E-13	65-1
65	50	SLS		1100,6381	1,716E-13	65-1
66	50	USL1		-1561,0374	-2,269E-13	66-1
66	29	USL1		1524,8595	2,269E-13	66-1
66	50	ULS2		-1768,3910	-1,529E-15	66-1
66	29	ULS2		1733,4419	1,529E-15	66-1
66	50	ENVELOPE_ ULS	Max	-1561,0374	-1,529E-15	66-1
66	29	ENVELOPE_ ULS	Max	1733,4419	2,269E-13	66-1
66	50	ENVELOPE_ ULS	Min	-1768,3910	-2,269E-13	66-1
66	29	ENVELOPE_ ULS	Min	1524,8595	1,529E-15	66-1
66	50	SLS		-1100,6381	-1,681E-13	66-1
66	29	SLS		1076,8856	1,681E-13	66-1

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2	M3	FrameElem
				KN-m	KN-m	
67	29	USL1		-1524,8595	-2,222E-13	67-1
67	51	USL1		1545,0430	2,222E-13	67-1
67	29	ULS2		-1733,4419	-1,529E-15	67-1
67	51	ULS2		1740,2322	1,529E-15	67-1
67	29	ENVELOPE_ ULS	Max	-1524,8595	-1,529E-15	67-1
67	51	ENVELOPE_ ULS	Max	1740,2322	2,222E-13	67-1
67	29	ENVELOPE_ ULS	Min	-1733,4419	-2,222E-13	67-1
67	51	ENVELOPE_ ULS	Min	1545,0430	1,529E-15	67-1
67	29	SLS		-1076,8856	-1,645E-13	67-1
67	51	SLS		1094,0173	1,645E-13	67-1
68	51	USL1		-1545,0430	-2,174E-13	68-1
68	28	USL1		1624,3100	2,174E-13	68-1
68	51	ULS2		-1740,2322	-1,529E-15	68-1
68	28	ULS2		1790,1720	1,529E-15	68-1
68	51	ENVELOPE_ ULS	Max	-1545,0430	-1,529E-15	68-1
68	28	ENVELOPE_ ULS	Max	1790,1720	2,174E-13	68-1
68	51	ENVELOPE_ ULS	Min	-1740,2322	-2,174E-13	68-1
68	28	ENVELOPE_ ULS	Min	1624,3100	1,529E-15	68-1
68	51	SLS		-1094,0173	-1,610E-13	68-1
68	28	SLS		1154,0638	1,610E-13	68-1
69	27	USL1		-576,9082	-5,986E-14	69-1
69	52	USL1		325,8589	5,986E-14	69-1
69	27	ULS2		-631,7300	1,028E-14	69-1
69	52	ULS2		348,8311	-1,028E-14	69-1
69	27	ENVELOPE_ ULS	Max	-576,9082	1,028E-14	69-1
69	52	ENVELOPE_ ULS	Max	348,8311	5,986E-14	69-1
69	27	ENVELOPE_ ULS	Min	-631,7300	-5,986E-14	69-1
69	52	ENVELOPE_ ULS	Min	325,8589	-1,028E-14	69-1
69	27	SLS		-410,7889	-4,461E-14	69-1
69	52	SLS		232,6827	4,461E-14	69-1
70	52	USL1		-325,8589	-5,866E-14	70-1
70	32	USL1		140,3436	5,866E-14	70-1
70	52	ULS2		-348,8311	1,028E-14	70-1
70	32	ULS2		109,8749	-1,028E-14	70-1
70	52	ENVELOPE_ ULS	Max	-325,8589	1,028E-14	70-1
70	32	ENVELOPE_ ULS	Max	140,3436	5,866E-14	70-1
70	52	ENVELOPE_ ULS	Min	-348,8311	-5,866E-14	70-1
70	32	ENVELOPE_ ULS	Min	109,8749	-1,028E-14	70-1
70	52	SLS		-232,6827	-4,373E-14	70-1
70	32	SLS		102,4566	4,373E-14	70-1
71	10	USL1		-145,1319	3,682E-15	71-1
71	53	USL1		323,3418	-3,682E-15	71-1
71	10	ULS2		-114,0145	-5,311E-15	71-1
71	53	ULS2		346,1817	5,311E-15	71-1
71	10	ENVELOPE_ ULS	Max	-114,0145	3,682E-15	71-1

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem
71	53	ENVELOPE_ ULS	Max	346,1817	5,311E-15	71-1
71	10	ENVELOPE_ ULS	Min	-145,1319	-5,311E-15	71-1
71	53	ENVELOPE_ ULS	Min	323,3418	-3,682E-15	71-1
71	10	SLS		-106,0123	2,862E-15	71-1
71	53	SLS		230,8299	-2,862E-15	71-1
72	53	USL1		-323,3418	9,677E-15	72-1
72	23	USL1		568,5723	-9,677E-15	72-1
72	53	ULS2		-346,1817	-5,311E-15	72-1
72	23	ULS2		623,6786	5,311E-15	72-1
72	53	ENVELOPE_ ULS	Max	-323,3418	9,677E-15	72-1
72	23	ENVELOPE_ ULS	Max	623,6786	5,311E-15	72-1
72	53	ENVELOPE_ ULS	Min	-346,1817	-5,311E-15	72-1
72	23	ENVELOPE_ ULS	Min	568,5723	-9,677E-15	72-1
72	53	SLS		-230,8299	7,303E-15	72-1
72	23	SLS		404,6267	-7,303E-15	72-1
73	24	USL1		-1597,8033	4,465E-14	73-1
73	54	USL1		1512,8429	-3,985E-14	73-1
73	24	ULS2		-1762,8515	1,481E-15	73-1
73	54	ULS2		1706,9658	-1,481E-15	73-1
73	24	ENVELOPE_ ULS	Max	-1597,8033	4,465E-14	73-1
73	54	ENVELOPE_ ULS	Max	1706,9658	-1,481E-15	73-1
73	24	ENVELOPE_ ULS	Min	-1762,8515	1,481E-15	73-1
73	54	ENVELOPE_ ULS	Min	1512,8429	-3,985E-14	73-1
73	24	SLS		-1134,4654	3,303E-14	73-1
73	54	SLS		1070,1949	-2,948E-14	73-1
74	54	USL1		-1512,8429	4,225E-14	74-1
74	25	USL1		1490,0838	-4,225E-14	74-1
74	54	ULS2		-1706,9658	1,481E-15	74-1
74	25	ULS2		1697,3593	-1,481E-15	74-1
74	54	ENVELOPE_ ULS	Max	-1512,8429	4,225E-14	74-1
74	25	ENVELOPE_ ULS	Max	1697,3593	-1,481E-15	74-1
74	54	ENVELOPE_ ULS	Min	-1706,9658	1,481E-15	74-1
74	25	ENVELOPE_ ULS	Min	1490,0838	-4,225E-14	74-1
74	54	SLS		-1070,1949	3,125E-14	74-1
74	25	SLS		1051,1485	-3,125E-14	74-1
75	25	USL1		-1490,0838	4,225E-14	75-1
75	55	USL1		1527,2300	-4,225E-14	75-1
75	25	ULS2		-1697,3593	1,481E-15	75-1
75	55	ULS2		1733,0758	-1,481E-15	75-1
75	25	ENVELOPE_ ULS	Max	-1490,0838	4,225E-14	75-1
75	55	ENVELOPE_ ULS	Max	1733,0758	-1,481E-15	75-1
75	25	ENVELOPE_ ULS	Min	-1697,3593	1,481E-15	75-1
75	55	ENVELOPE_ ULS	Min	1527,2300	-4,225E-14	75-1

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2	M3	FrameElem
				KN-m	KN-m	
75	25	SLS		-1051,1485	3,125E-14	75-1
75	55	SLS		1075,6120	-3,125E-14	75-1
76	55	USL1		-1527,2300	3,985E-14	76-1
76	26	USL1		1621,7615	-3,985E-14	76-1
76	55	ULS2		-1733,0758	1,481E-15	76-1
76	26	ULS2		1812,8839	-1,481E-15	76-1
76	55	ENVELOPE_ ULS	Max	-1527,2300	3,985E-14	76-1
76	26	ENVELOPE_ ULS	Max	1812,8839	-1,481E-15	76-1
76	55	ENVELOPE_ ULS	Min	-1733,0758	1,481E-15	76-1
76	26	ENVELOPE_ ULS	Min	1621,7615	-3,985E-14	76-1
76	55	SLS		-1075,6120	2,948E-14	76-1
76	26	SLS		1141,7136	-2,948E-14	76-1
77	26	USL1		-1621,7615	4,705E-14	77-1
77	56	USL1		1770,9271	-4,705E-14	77-1
77	26	ULS2		-1812,8839	1,481E-15	77-1
77	56	ULS2		1935,2775	-1,481E-15	77-1
77	26	ENVELOPE_ ULS	Max	-1621,7615	4,705E-14	77-1
77	56	ENVELOPE_ ULS	Max	1935,2775	-1,481E-15	77-1
77	26	ENVELOPE_ ULS	Min	-1812,8839	1,481E-15	77-1
77	56	ENVELOPE_ ULS	Min	1770,9271	-4,705E-14	77-1
77	26	SLS		-1141,7136	3,481E-14	77-1
77	56	SLS		1247,4191	-3,481E-14	77-1
78	56	USL1		-1770,9271	3,985E-14	78-1
78	11	USL1		1971,7268	-3,985E-14	78-1
78	56	ULS2		-1935,2775	1,481E-15	78-1
78	11	ULS2		2098,4649	-1,481E-15	78-1
78	56	ENVELOPE_ ULS	Max	-1770,9271	3,985E-14	78-1
78	11	ENVELOPE_ ULS	Max	2098,4649	-1,481E-15	78-1
78	56	ENVELOPE_ ULS	Min	-1935,2775	1,481E-15	78-1
78	11	ENVELOPE_ ULS	Min	1971,7268	-3,985E-14	78-1
78	56	SLS		-1247,4191	2,948E-14	78-1
78	11	SLS		1390,5198	-2,948E-14	78-1

Table: Frame Loads - Distributed, Part 1 of 3

Table: Frame Loads - Distributed, Part 1 of 3

Frame	LoadPat	CoordSys	Type	Dir	DistType	RelDistA
2	HYDROSTATIC	Local	Force	2	RelDist	0,0000
2	EARTH	GLOBAL	Force	Gravity	RelDist	0,0000
2	EARTH_PRESSURE SX	GLOBAL	Force	X	RelDist	0,0000
2	ROAD PAVEMENT	GLOBAL	Force	Gravity	RelDist	0,0000
2	VARIABLE TRAFFIC LOADS	GLOBAL	Force	Gravity	RelDist	0,0000
2	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
3	HYDROSTATIC	Local	Force	2	RelDist	0,0000
3	EARTH	GLOBAL	Force	Gravity	RelDist	0,0000

Table: Frame Loads - Distributed, Part 1 of 3

Frame	LoadPat	CoordSys	Type	Dir	DistType	RelDistA
3	EARTH_PRESSURE SX	GLOBAL	Force	X	RelDist	0,0000
3	ROAD PAVEMENT	GLOBAL	Force	Gravity	RelDist	0,0000
3	VARIABLE TRAFFIC LOADS	GLOBAL	Force	Gravity	RelDist	0,0000
3	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
4	HYDROSTATIC	Local	Force	2	RelDist	0,0000
4	EARTH	GLOBAL	Force	Gravity	RelDist	0,0000
4	EARTH_PRESSURE SX	GLOBAL	Force	X	RelDist	0,0000
4	ROAD PAVEMENT	GLOBAL	Force	Gravity	RelDist	0,0000
4	VARIABLE TRAFFIC LOADS	GLOBAL	Force	Gravity	RelDist	0,0000
4	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
5	HYDROSTATIC	Local	Force	2	RelDist	0,0000
5	EARTH	GLOBAL	Force	Gravity	RelDist	0,0000
5	EARTH_PRESSURE SX	GLOBAL	Force	X	RelDist	0,0000
5	ROAD PAVEMENT	GLOBAL	Force	Gravity	RelDist	0,0000
5	VARIABLE TRAFFIC LOADS	GLOBAL	Force	Gravity	RelDist	0,0000
5	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
6	HYDROSTATIC	Local	Force	2	RelDist	0,0000
6	EARTH	GLOBAL	Force	Gravity	RelDist	0,0000
6	EARTH_PRESSURE SX	GLOBAL	Force	X	RelDist	0,0000
6	ROAD PAVEMENT	GLOBAL	Force	Gravity	RelDist	0,0000
6	VARIABLE TRAFFIC LOADS	GLOBAL	Force	Gravity	RelDist	0,0000
6	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
7	HYDROSTATIC	Local	Force	2	RelDist	0,0000
7	EARTH	GLOBAL	Force	Gravity	RelDist	0,0000
7	EARTH_PRESSURE SX	GLOBAL	Force	X	RelDist	0,0000
7	ROAD PAVEMENT	GLOBAL	Force	Gravity	RelDist	0,0000
7	VARIABLE TRAFFIC LOADS	GLOBAL	Force	Gravity	RelDist	0,0000
7	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
8	HYDROSTATIC	Local	Force	2	RelDist	0,0000
8	EARTH	GLOBAL	Force	Gravity	RelDist	0,0000
8	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
8	ROAD PAVEMENT	GLOBAL	Force	Gravity	RelDist	0,0000
8	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
8	VARIABLE TRAFFIC LOADS	GLOBAL	Force	Gravity	RelDist	0,0000
8	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
9	HYDROSTATIC	Local	Force	2	RelDist	0,0000
9	EARTH	GLOBAL	Force	Gravity	RelDist	0,0000
9	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
9	ROAD PAVEMENT	GLOBAL	Force	Gravity	RelDist	0,0000
9	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
9	VARIABLE TRAFFIC LOADS	GLOBAL	Force	Gravity	RelDist	0,0000
9	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000

Table: Frame Loads - Distributed, Part 1 of 3

Frame	LoadPat	CoordSys	Type	Dir	DistType	RelDistA
10	HYDROSTATIC	Local	Force	2	RelDist	0,0000
10	EARTH	GLOBAL	Force	Gravity	RelDist	0,0000
10	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
10	ROAD PAVEMENT	GLOBAL	Force	Gravity	RelDist	0,0000
10	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
10	VARIABLE TRAFFIC LOADS	GLOBAL	Force	Gravity	RelDist	0,0000
10	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
11	HYDROSTATIC	Local	Force	2	RelDist	0,0000
11	EARTH	GLOBAL	Force	Gravity	RelDist	0,0000
11	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
11	ROAD PAVEMENT	GLOBAL	Force	Gravity	RelDist	0,0000
11	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
11	VARIABLE TRAFFIC LOADS	GLOBAL	Force	Gravity	RelDist	0,0000
11	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
12	HYDROSTATIC	Local	Force	2	RelDist	0,0000
12	EARTH	GLOBAL	Force	Gravity	RelDist	0,0000
12	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
12	ROAD PAVEMENT	GLOBAL	Force	Gravity	RelDist	0,0000
12	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
12	VARIABLE TRAFFIC LOADS	GLOBAL	Force	Gravity	RelDist	0,0000
12	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
13	HYDROSTATIC	Local	Force	2	RelDist	0,0000
13	EARTH	GLOBAL	Force	Gravity	RelDist	0,0000
13	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
13	ROAD PAVEMENT	GLOBAL	Force	Gravity	RelDist	0,0000
13	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
13	VARIABLE TRAFFIC LOADS	GLOBAL	Force	Gravity	RelDist	0,0000
13	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
1	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
1	HYDROSTATIC	Local	Force	2	RelDist	0,0000
1	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
1	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
26	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
26	HYDROSTATIC	Local	Force	2	RelDist	0,0000
26	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
26	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
37	EARTH_PRESSURE SX	GLOBAL	Force	X	RelDist	0,0000
37	HYDROSTATIC	Local	Force	2	RelDist	0,0000
37	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
38	EARTH_PRESSURE SX	GLOBAL	Force	X	RelDist	0,0000
38	HYDROSTATIC	Local	Force	2	RelDist	0,0000
38	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000

Table: Frame Loads - Distributed, Part 1 of 3

Frame	LoadPat	CoordSys	Type	Dir	DistType	RelDistA
17	HYDROSTATIC	Local	Force	2	RelDist	0,0000
33	HYDROSTATIC	Local	Force	2	RelDist	0,0000
41	HYDROSTATIC	Local	Force	2	RelDist	0,0000
42	HYDROSTATIC	Local	Force	2	RelDist	0,0000
43	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
43	HYDROSTATIC	Local	Force	2	RelDist	0,0000
43	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
44	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
44	HYDROSTATIC	Local	Force	2	RelDist	0,0000
44	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
45	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
45	HYDROSTATIC	Local	Force	2	RelDist	0,0000
45	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
46	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
46	HYDROSTATIC	Local	Force	2	RelDist	0,0000
46	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
47	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
47	HYDROSTATIC	Local	Force	2	RelDist	0,0000
47	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
48	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
48	HYDROSTATIC	Local	Force	2	RelDist	0,0000
48	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
49	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
49	HYDROSTATIC	Local	Force	2	RelDist	0,0000
49	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
50	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
50	HYDROSTATIC	Local	Force	2	RelDist	0,0000
50	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
51	EARTH_PRESSURE SX	GLOBAL	Force	X	RelDist	0,0000
51	HYDROSTATIC	Local	Force	2	RelDist	0,0000
52	EARTH_PRESSURE SX	GLOBAL	Force	X	RelDist	0,0000
52	HYDROSTATIC	Local	Force	2	RelDist	0,0000
53	EARTH_PRESSURE SX	GLOBAL	Force	X	RelDist	0,0000
53	HYDROSTATIC	Local	Force	2	RelDist	0,0000
54	EARTH_PRESSURE SX	GLOBAL	Force	X	RelDist	0,0000
54	HYDROSTATIC	Local	Force	2	RelDist	0,0000
55	EARTH_PRESSURE SX	GLOBAL	Force	X	RelDist	0,0000
55	HYDROSTATIC	Local	Force	2	RelDist	0,0000
56	EARTH_PRESSURE SX	GLOBAL	Force	X	RelDist	0,0000
56	HYDROSTATIC	Local	Force	2	RelDist	0,0000
57	EARTH_PRESSURE SX	GLOBAL	Force	X	RelDist	0,0000
57	HYDROSTATIC	Local	Force	2	RelDist	0,0000
58	EARTH_PRESSURE SX	GLOBAL	Force	X	RelDist	0,0000
58	HYDROSTATIC	Local	Force	2	RelDist	0,0000
59	HYDROSTATIC	Local	Force	2	RelDist	0,0000
60	HYDROSTATIC	Local	Force	2	RelDist	0,0000

Table: Frame Loads - Distributed, Part 1 of 3

Frame	LoadPat	CoordSys	Type	Dir	DistType	RelDistA
61	HYDROSTATIC	Local	Force	2	RelDist	0,0000
62	HYDROSTATIC	Local	Force	2	RelDist	0,0000
63	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
63	HYDROSTATIC	Local	Force	2	RelDist	0,0000
63	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
63	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
64	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
64	HYDROSTATIC	Local	Force	2	RelDist	0,0000
64	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
64	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
65	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
65	HYDROSTATIC	Local	Force	2	RelDist	0,0000
65	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
65	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
66	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
66	HYDROSTATIC	Local	Force	2	RelDist	0,0000
66	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
66	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
67	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
67	HYDROSTATIC	Local	Force	2	RelDist	0,0000
67	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
67	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
68	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
68	HYDROSTATIC	Local	Force	2	RelDist	0,0000
68	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
68	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
69	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
69	HYDROSTATIC	Local	Force	2	RelDist	0,0000
69	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
69	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
70	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
70	HYDROSTATIC	Local	Force	2	RelDist	0,0000
70	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
70	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
71	EARTH_PRESSURE SX	GLOBAL	Force	X	RelDist	0,0000
71	HYDROSTATIC	Local	Force	2	RelDist	0,0000
71	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
72	EARTH_PRESSURE SX	GLOBAL	Force	X	RelDist	0,0000
72	HYDROSTATIC	Local	Force	2	RelDist	0,0000
72	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
73	EARTH_PRESSURE SX	GLOBAL	Force	X	RelDist	0,0000
73	HYDROSTATIC	Local	Force	2	RelDist	0,0000

Table: Frame Loads - Distributed, Part 1 of 3

Frame	LoadPat	CoordSys	Type	Dir	DistType	RelDistA
73	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
74	EARTH_PRESSURE SX	GLOBAL	Force	X	RelDist	0,0000
74	HYDROSTATIC	Local	Force	2	RelDist	0,0000
74	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
75	EARTH_PRESSURE SX	GLOBAL	Force	X	RelDist	0,0000
75	HYDROSTATIC	Local	Force	2	RelDist	0,0000
75	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
76	EARTH_PRESSURE SX	GLOBAL	Force	X	RelDist	0,0000
76	HYDROSTATIC	Local	Force	2	RelDist	0,0000
76	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
77	EARTH_PRESSURE SX	GLOBAL	Force	X	RelDist	0,0000
77	HYDROSTATIC	Local	Force	2	RelDist	0,0000
77	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
78	EARTH_PRESSURE SX	GLOBAL	Force	X	RelDist	0,0000
78	HYDROSTATIC	Local	Force	2	RelDist	0,0000
78	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000

Table: Frame Loads - Distributed, Part 2 of 3

Table: Frame Loads - Distributed, Part 2 of 3

Frame	LoadPat	RelDistB	AbsDistA m	AbsDistB m	FOverLA KN/m	FOverLB KN/m
2	HYDROSTATIC	1,0000	0,00000	1,15723	-38,20	-31,00
2	EARTH	1,0000	0,00000	1,15723	51,50	51,50
2	EARTH_PRESSURE SX	1,0000	0,00000	1,15723	55,40	48,10
2	ROAD PAVEMENT	1,0000	0,00000	1,15723	12,00	12,00
2	VARIABLE TRAFFIC LOADS	1,0000	0,00000	1,15723	9,00	9,00
2	VARIABLE TRAFFIC LOADS	1,0000	0,00000	1,15723	11,88	11,88
3	HYDROSTATIC	1,0000	0,00000	1,02464	-31,00	-24,50
3	EARTH	1,0000	0,00000	1,02464	47,40	47,40
3	EARTH_PRESSURE SX	1,0000	0,00000	1,02464	48,10	41,70
3	ROAD PAVEMENT	1,0000	0,00000	1,02464	12,00	12,00
3	VARIABLE TRAFFIC LOADS	1,0000	0,00000	1,02464	9,00	9,00
3	VARIABLE TRAFFIC LOADS	1,0000	0,00000	1,02464	11,88	11,88
4	HYDROSTATIC	1,0000	0,00000	0,98945	-24,50	-18,60
4	EARTH	1,0000	0,00000	0,98945	39,70	39,70
4	EARTH_PRESSURE SX	1,0000	0,00000	0,98945	41,70	35,70
4	ROAD PAVEMENT	1,0000	0,00000	0,98945	12,00	12,00
4	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,98945	9,00	9,00
4	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,98945	11,88	11,88
5	HYDROSTATIC	1,0000	0,00000	0,98804	-18,60	-14,00

Table: Frame Loads - Distributed, Part 2 of 3

Frame	LoadPat	RelDistB	AbsDistA m	AbsDistB m	FOverLA KN/m	FOverLB KN/m
5	EARTH	1,0000	0,00000	0,98804	32,70	32,70
5	EARTH_PRESSURE SX	1,0000	0,00000	0,98804	35,70	31,10
5	ROAD PAVEMENT	1,0000	0,00000	0,98804	12,00	12,00
5	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,98804	9,00	9,00
5	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,98804	11,88	11,88
6	HYDROSTATIC	1,0000	0,00000	0,98763	-14,00	-11,10
6	EARTH	1,0000	0,00000	0,98763	26,90	26,90
6	EARTH_PRESSURE SX	1,0000	0,00000	0,98763	31,10	28,10
6	ROAD PAVEMENT	1,0000	0,00000	0,98763	12,00	12,00
6	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,98763	9,00	9,00
6	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,98763	11,88	11,88
7	HYDROSTATIC	1,0000	0,00000	1,04617	-11,10	-10,00
7	EARTH	1,0000	0,00000	1,04617	22,80	22,80
7	EARTH_PRESSURE SX	1,0000	0,00000	1,04617	28,10	27,00
7	ROAD PAVEMENT	1,0000	0,00000	1,04617	12,00	12,00
7	VARIABLE TRAFFIC LOADS	1,0000	0,00000	1,04617	9,00	9,00
7	VARIABLE TRAFFIC LOADS	1,0000	0,00000	1,04617	11,88	11,88
8	HYDROSTATIC	1,0000	0,00000	1,08329	-10,00	-11,10
8	EARTH	1,0000	0,00000	1,08329	22,80	22,80
8	EARTH_PRESSURE DX	1,0000	0,00000	1,08329	-27,00	-28,10
8	ROAD PAVEMENT	1,0000	0,00000	1,08329	12,00	12,00
8	ROAD PAVEMENT	1,0000	0,00000	1,08329	-5,28	-5,28
8	VARIABLE TRAFFIC LOADS	1,0000	0,00000	1,08329	9,00	9,00
8	VARIABLE TRAFFIC LOADS	1,0000	0,00000	1,08329	-11,88	-11,88
9	HYDROSTATIC	1,0000	0,00000	0,98504	-11,10	-14,00
9	EARTH	1,0000	0,00000	0,98504	26,90	26,90
9	EARTH_PRESSURE DX	1,0000	0,00000	0,98504	-28,10	-31,10
9	ROAD PAVEMENT	1,0000	0,00000	0,98504	12,00	12,00
9	ROAD PAVEMENT	1,0000	0,00000	0,98504	-5,28	-5,28
9	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,98504	9,00	9,00
9	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,98504	-11,88	-11,88
10	HYDROSTATIC	1,0000	0,00000	0,98394	-14,00	-18,60
10	EARTH	1,0000	0,00000	0,98394	32,70	32,70
10	EARTH_PRESSURE DX	1,0000	0,00000	0,98394	-31,10	-35,70
10	ROAD PAVEMENT	1,0000	0,00000	0,98394	12,00	12,00
10	ROAD PAVEMENT	1,0000	0,00000	0,98394	-5,28	-5,28
10	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,98394	9,00	9,00
10	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,98394	-11,88	-11,88
11	HYDROSTATIC	1,0000	0,00000	0,98416	-18,60	-24,50
11	EARTH	1,0000	0,00000	0,98416	39,70	39,70
11	EARTH_PRESSURE DX	1,0000	0,00000	0,98416	-35,70	-41,70
11	ROAD PAVEMENT	1,0000	0,00000	0,98416	12,00	12,00
11	ROAD PAVEMENT	1,0000	0,00000	0,98416	-5,28	-5,28

Table: Frame Loads - Distributed, Part 2 of 3

Frame	LoadPat	RelDistB	AbsDistA m	AbsDistB m	FOverLA KN/m	FOverLB KN/m
11	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,98416	9,00	9,00
11	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,98416	-11,88	-11,88
12	HYDROSTATIC	1,0000	0,00000	1,01876	-24,50	-31,00
12	EARTH	1,0000	0,00000	1,01876	47,40	47,40
12	EARTH_PRESSURE DX	1,0000	0,00000	1,01876	-41,70	-48,10
12	ROAD PAVEMENT	1,0000	0,00000	1,01876	12,00	12,00
12	ROAD PAVEMENT	1,0000	0,00000	1,01876	-5,28	-5,28
12	VARIABLE TRAFFIC LOADS	1,0000	0,00000	1,01876	9,00	9,00
12	VARIABLE TRAFFIC LOADS	1,0000	0,00000	1,01876	-11,88	-11,88
13	HYDROSTATIC	1,0000	0,00000	1,13787	-31,00	-38,20
13	EARTH	1,0000	0,00000	1,13787	51,50	51,50
13	EARTH_PRESSURE DX	1,0000	0,00000	1,13787	-48,10	-55,40
13	ROAD PAVEMENT	1,0000	0,00000	1,13787	12,00	12,00
13	ROAD PAVEMENT	1,0000	0,00000	1,13787	-5,28	-5,28
13	VARIABLE TRAFFIC LOADS	1,0000	0,00000	1,13787	9,00	9,00
13	VARIABLE TRAFFIC LOADS	1,0000	0,00000	1,13787	-11,88	-11,88
1	EARTH_PRESSURE DX	1,0000	0,00000	0,47625	-81,10	-85,40
1	HYDROSTATIC	1,0000	0,00000	0,47625	-63,80	-68,05
1	ROAD PAVEMENT	1,0000	0,00000	0,47625	-5,28	-5,28
1	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	-11,88	-11,88
26	EARTH_PRESSURE DX	1,0000	0,00000	0,47625	-85,40	-89,70
26	HYDROSTATIC	1,0000	0,00000	0,47625	-68,05	-72,30
26	ROAD PAVEMENT	1,0000	0,00000	0,47625	-5,28	-5,28
26	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	-11,88	-11,88
37	EARTH_PRESSURE SX	1,0000	0,00000	0,47625	89,70	85,40
37	HYDROSTATIC	1,0000	0,00000	0,47625	-72,30	-68,05
37	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	11,88	11,88
38	EARTH_PRESSURE SX	1,0000	0,00000	0,47625	85,40	81,10
38	HYDROSTATIC	1,0000	0,00000	0,47625	-68,05	-63,80
38	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	11,88	11,88
17	HYDROSTATIC	1,0000	0,00000	0,38282	-80,80	-80,80
33	HYDROSTATIC	1,0000	0,00000	0,38282	-80,80	-80,80
41	HYDROSTATIC	1,0000	0,00000	0,36365	-80,80	-80,80
42	HYDROSTATIC	1,0000	0,00000	0,36365	-80,80	-80,80
43	EARTH_PRESSURE DX	1,0000	0,00000	0,50061	-98,30	-101,25
43	HYDROSTATIC	1,0000	0,00000	0,50061	-80,80	-83,70
43	ROAD PAVEMENT	1,0000	0,00000	0,50061	-5,28	-5,28
44	EARTH_PRESSURE DX	1,0000	0,00000	0,50061	-101,25	-104,20
44	HYDROSTATIC	1,0000	0,00000	0,50061	-83,70	-86,60
44	ROAD PAVEMENT	1,0000	0,00000	0,50061	-5,28	-5,28
45	EARTH_PRESSURE DX	1,0000	0,00000	0,49901	-104,20	-106,50
45	HYDROSTATIC	1,0000	0,00000	0,49901	-86,60	-88,90
45	ROAD PAVEMENT	1,0000	0,00000	0,49901	-5,28	-5,28

Table: Frame Loads - Distributed, Part 2 of 3

Frame	LoadPat	RelDistB	AbsDistA m	AbsDistB m	FOverLA KN/m	FOverLB KN/m
46	EARTH_PRESSURE DX	1,0000	0,00000	0,49901	-106,50	-108,80
46	HYDROSTATIC	1,0000	0,00000	0,49901	-88,90	-91,20
46	ROAD PAVEMENT	1,0000	0,00000	0,49901	-5,28	-5,28
47	EARTH_PRESSURE DX	1,0000	0,00000	0,49922	-108,80	-110,20
47	HYDROSTATIC	1,0000	0,00000	0,49922	-91,20	-92,60
47	ROAD PAVEMENT	1,0000	0,00000	0,49922	-5,28	-5,28
48	EARTH_PRESSURE DX	1,0000	0,00000	0,49922	-110,20	-111,60
48	HYDROSTATIC	1,0000	0,00000	0,49922	-92,60	-94,00
48	ROAD PAVEMENT	1,0000	0,00000	0,49922	-5,28	-5,28
49	EARTH_PRESSURE DX	1,0000	0,00000	0,52170	-111,60	-113,05
49	HYDROSTATIC	1,0000	0,00000	0,52170	-94,00	-94,50
49	ROAD PAVEMENT	1,0000	0,00000	0,52170	-5,28	-5,28
50	EARTH_PRESSURE DX	1,0000	0,00000	0,52170	-113,05	-114,50
50	HYDROSTATIC	1,0000	0,00000	0,52170	-94,50	-95,00
50	ROAD PAVEMENT	1,0000	0,00000	0,52170	-5,28	-5,28
51	EARTH_PRESSURE SX	1,0000	0,00000	0,50307	114,50	113,05
51	HYDROSTATIC	1,0000	0,00000	0,50307	-95,00	-94,50
52	EARTH_PRESSURE SX	1,0000	0,00000	0,50307	113,05	111,60
52	HYDROSTATIC	1,0000	0,00000	0,50307	-94,50	-94,00
53	EARTH_PRESSURE SX	1,0000	0,00000	0,50047	111,60	110,20
53	HYDROSTATIC	1,0000	0,00000	0,50047	-94,00	-92,60
54	EARTH_PRESSURE SX	1,0000	0,00000	0,50047	110,20	108,80
54	HYDROSTATIC	1,0000	0,00000	0,50047	-92,60	-91,20
55	EARTH_PRESSURE SX	1,0000	0,00000	0,50102	108,80	106,50
55	HYDROSTATIC	1,0000	0,00000	0,50102	-91,20	-88,90
56	EARTH_PRESSURE SX	1,0000	0,00000	0,50102	106,50	104,20
56	HYDROSTATIC	1,0000	0,00000	0,50102	-88,90	-86,60
57	EARTH_PRESSURE SX	1,0000	0,00000	0,50160	104,20	101,25
57	HYDROSTATIC	1,0000	0,00000	0,50160	-86,60	-83,70
58	EARTH_PRESSURE SX	1,0000	0,00000	0,50160	101,25	98,30
58	HYDROSTATIC	1,0000	0,00000	0,50160	-83,70	-80,80
59	HYDROSTATIC	1,0000	0,00000	0,38282	-80,80	-80,80
60	HYDROSTATIC	1,0000	0,00000	0,38282	-80,80	-80,80
61	HYDROSTATIC	1,0000	0,00000	0,38282	-80,80	-80,80
62	HYDROSTATIC	1,0000	0,00000	0,38282	-80,80	-80,80
63	EARTH_PRESSURE DX	1,0000	0,00000	0,47625	-55,40	-59,70
63	HYDROSTATIC	1,0000	0,00000	0,47625	-38,20	-42,45
63	ROAD PAVEMENT	1,0000	0,00000	0,47625	-5,28	-5,28
63	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	-11,88	-11,88
64	EARTH_PRESSURE DX	1,0000	0,00000	0,47625	-59,70	-64,00
64	HYDROSTATIC	1,0000	0,00000	0,47625	-42,45	-46,70
64	ROAD PAVEMENT	1,0000	0,00000	0,47625	-5,28	-5,28
64	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	-11,88	-11,88
65	EARTH_PRESSURE DX	1,0000	0,00000	0,47625	-64,00	-68,30

Table: Frame Loads - Distributed, Part 2 of 3

Frame	LoadPat	RelDistB	AbsDistA m	AbsDistB m	FOverLA KN/m	FOverLB KN/m
65	HYDROSTATIC	1,0000	0,00000	0,47625	-46,70	-50,95
65	ROAD PAVEMENT	1,0000	0,00000	0,47625	-5,28	-5,28
65	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	-11,88	-11,88
66	EARTH_PRESSURE DX	1,0000	0,00000	0,47625	-68,30	-72,60
66	HYDROSTATIC	1,0000	0,00000	0,47625	-50,95	-55,20
66	ROAD PAVEMENT	1,0000	0,00000	0,47625	-5,28	-5,28
66	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	-11,88	-11,88
67	EARTH_PRESSURE DX	1,0000	0,00000	0,47625	-72,60	-76,85
67	HYDROSTATIC	1,0000	0,00000	0,47625	-55,20	-59,50
67	ROAD PAVEMENT	1,0000	0,00000	0,47625	-5,28	-5,28
67	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	-11,88	-11,88
68	EARTH_PRESSURE DX	1,0000	0,00000	0,47625	-76,85	-81,10
68	HYDROSTATIC	1,0000	0,00000	0,47625	-59,50	-63,80
68	ROAD PAVEMENT	1,0000	0,00000	0,47625	-5,28	-5,28
68	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	-11,88	-11,88
69	EARTH_PRESSURE DX	1,0000	0,00000	0,47625	-89,70	-94,00
69	HYDROSTATIC	1,0000	0,00000	0,47625	-72,30	-76,55
69	ROAD PAVEMENT	1,0000	0,00000	0,47625	-5,28	-5,28
69	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	-11,88	-11,88
70	EARTH_PRESSURE DX	1,0000	0,00000	0,47625	-94,00	-98,30
70	HYDROSTATIC	1,0000	0,00000	0,47625	-76,55	-80,80
70	ROAD PAVEMENT	1,0000	0,00000	0,47625	-5,28	-5,28
70	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	-11,88	-11,88
71	EARTH_PRESSURE SX	1,0000	0,00000	0,47625	98,30	94,00
71	HYDROSTATIC	1,0000	0,00000	0,47625	-80,80	-76,55
71	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	11,88	11,88
72	EARTH_PRESSURE SX	1,0000	0,00000	0,47625	94,00	89,70
72	HYDROSTATIC	1,0000	0,00000	0,47625	-76,55	-72,30
72	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	11,88	11,88
73	EARTH_PRESSURE SX	1,0000	0,00000	0,47625	81,10	76,85
73	HYDROSTATIC	1,0000	0,00000	0,47625	-63,80	-59,50
73	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	11,88	11,88
74	EARTH_PRESSURE SX	1,0000	0,00000	0,47625	76,85	72,60
74	HYDROSTATIC	1,0000	0,00000	0,47625	-59,50	-55,20
74	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	11,88	11,88
75	EARTH_PRESSURE SX	1,0000	0,00000	0,47625	72,60	68,30
75	HYDROSTATIC	1,0000	0,00000	0,47625	-55,20	-50,95
75	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	11,88	11,88
76	EARTH_PRESSURE SX	1,0000	0,00000	0,47625	68,30	64,00
76	HYDROSTATIC	1,0000	0,00000	0,47625	-50,95	-46,70

Table: Frame Loads - Distributed, Part 2 of 3

Frame	LoadPat	RelDistB	AbsDistA m	AbsDistB m	FOverLA KN/m	FOverLB KN/m
76	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	11,88	11,88
77	EARTH_PRESSURE SX	1,0000	0,00000	0,47625	64,00	59,70
77	HYDROSTATIC	1,0000	0,00000	0,47625	-46,70	-42,45
77	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	11,88	11,88
78	EARTH_PRESSURE SX	1,0000	0,00000	0,47625	59,70	55,40
78	HYDROSTATIC	1,0000	0,00000	0,47625	-42,45	-38,20
78	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	11,88	11,88

Table: Frame Loads - Distributed, Part 3 of 3

Table: Frame Loads - Distributed, Part 3 of 3

Frame	LoadPat	GUID
2	HYDROSTATIC	
2	EARTH	
2	EARTH_PRESSURE SX	
2	ROAD PAVEMENT	
2	VARIABLE TRAFFIC LOADS	
2	VARIABLE TRAFFIC LOADS	
3	HYDROSTATIC	
3	EARTH	
3	EARTH_PRESSURE SX	
3	ROAD PAVEMENT	
3	VARIABLE TRAFFIC LOADS	
3	VARIABLE TRAFFIC LOADS	
4	HYDROSTATIC	
4	EARTH	
4	EARTH_PRESSURE SX	
4	ROAD PAVEMENT	
4	VARIABLE TRAFFIC LOADS	
4	VARIABLE TRAFFIC LOADS	
5	HYDROSTATIC	
5	EARTH	
5	EARTH_PRESSURE SX	
5	ROAD PAVEMENT	
5	VARIABLE TRAFFIC LOADS	
5	VARIABLE TRAFFIC LOADS	
6	HYDROSTATIC	
6	EARTH	
6	EARTH_PRESSURE SX	
6	ROAD PAVEMENT	
6	VARIABLE TRAFFIC LOADS	

Table: Frame Loads - Distributed, Part 3 of 3

Frame	LoadPat	GUID
6	VARIABLE TRAFFIC LOADS	
7	HYDROSTATIC EARTH	
7	EARTH_PRESSURE SX	
7	ROAD PAVEMENT	
7	VARIABLE TRAFFIC LOADS	
7	VARIABLE TRAFFIC LOADS	
8	HYDROSTATIC EARTH	
8	EARTH_PRESSURE DX	
8	ROAD PAVEMENT	
8	ROAD PAVEMENT	
8	VARIABLE TRAFFIC LOADS	
8	VARIABLE TRAFFIC LOADS	
9	HYDROSTATIC EARTH	
9	EARTH_PRESSURE DX	
9	ROAD PAVEMENT	
9	ROAD PAVEMENT	
9	VARIABLE TRAFFIC LOADS	
9	VARIABLE TRAFFIC LOADS	
10	HYDROSTATIC EARTH	
10	EARTH_PRESSURE DX	
10	ROAD PAVEMENT	
10	ROAD PAVEMENT	
10	VARIABLE TRAFFIC LOADS	
10	VARIABLE TRAFFIC LOADS	
11	HYDROSTATIC EARTH	
11	EARTH_PRESSURE DX	
11	ROAD PAVEMENT	
11	ROAD PAVEMENT	
11	VARIABLE TRAFFIC LOADS	
11	VARIABLE TRAFFIC LOADS	
12	HYDROSTATIC EARTH	
12	EARTH_PRESSURE DX	
12	ROAD PAVEMENT	
12	ROAD PAVEMENT	
12	VARIABLE TRAFFIC LOADS	
12	VARIABLE TRAFFIC LOADS	
13	HYDROSTATIC	

Table: Frame Loads - Distributed, Part 3 of 3

Frame	LoadPat	GUID
13	EARTH	
13	EARTH_PRESSURE DX	
13	ROAD PAVEMENT	
13	ROAD PAVEMENT	
13	VARIABLE TRAFFIC LOADS	
13	VARIABLE TRAFFIC LOADS	
1	EARTH_PRESSURE DX	
1	HYDROSTATIC	
1	ROAD PAVEMENT	
1	VARIABLE TRAFFIC LOADS	
26	EARTH_PRESSURE DX	
26	HYDROSTATIC	
26	ROAD PAVEMENT	
26	VARIABLE TRAFFIC LOADS	
37	EARTH_PRESSURE SX	
37	HYDROSTATIC	
37	VARIABLE TRAFFIC LOADS	
38	EARTH_PRESSURE SX	
38	HYDROSTATIC	
38	VARIABLE TRAFFIC LOADS	
17	HYDROSTATIC	
33	HYDROSTATIC	
41	HYDROSTATIC	
42	HYDROSTATIC	
43	EARTH_PRESSURE DX	
43	HYDROSTATIC	
43	ROAD PAVEMENT	
44	EARTH_PRESSURE DX	
44	HYDROSTATIC	
44	ROAD PAVEMENT	
45	EARTH_PRESSURE DX	
45	HYDROSTATIC	
45	ROAD PAVEMENT	
46	EARTH_PRESSURE DX	
46	HYDROSTATIC	
46	ROAD PAVEMENT	
47	EARTH_PRESSURE DX	
47	HYDROSTATIC	
47	ROAD PAVEMENT	
48	EARTH_PRESSURE DX	
48	HYDROSTATIC	
48	ROAD PAVEMENT	
49	EARTH_PRESSURE DX	
49	HYDROSTATIC	

Table: Frame Loads - Distributed, Part 3 of 3

Frame	LoadPat	GUID
49	ROAD PAVEMENT	
50	EARTH_PRESSURE DX	
50	HYDROSTATIC	
50	ROAD PAVEMENT	
51	EARTH_PRESSURE SX	
51	HYDROSTATIC	
52	EARTH_PRESSURE SX	
52	HYDROSTATIC	
53	EARTH_PRESSURE SX	
53	HYDROSTATIC	
54	EARTH_PRESSURE SX	
54	HYDROSTATIC	
55	EARTH_PRESSURE SX	
55	HYDROSTATIC	
56	EARTH_PRESSURE SX	
56	HYDROSTATIC	
57	EARTH_PRESSURE SX	
57	HYDROSTATIC	
58	EARTH_PRESSURE SX	
58	HYDROSTATIC	
59	HYDROSTATIC	
60	HYDROSTATIC	
61	HYDROSTATIC	
62	HYDROSTATIC	
63	EARTH_PRESSURE DX	
63	HYDROSTATIC	
63	ROAD PAVEMENT	
63	VARIABLE TRAFFIC LOADS	
64	EARTH_PRESSURE DX	
64	HYDROSTATIC	
64	ROAD PAVEMENT	
64	VARIABLE TRAFFIC LOADS	
65	EARTH_PRESSURE DX	
65	HYDROSTATIC	
65	ROAD PAVEMENT	
65	VARIABLE TRAFFIC LOADS	
66	EARTH_PRESSURE DX	
66	HYDROSTATIC	
66	ROAD PAVEMENT	
66	VARIABLE TRAFFIC LOADS	
67	EARTH_PRESSURE DX	
67	HYDROSTATIC	
67	ROAD PAVEMENT	

Table: Frame Loads - Distributed, Part 3 of 3

Frame	LoadPat	GUID
67	VARIABLE TRAFFIC LOADS	
68	EARTH_PRESSURE DX	
68	HYDROSTATIC	
68	ROAD PAVEMENT	
68	VARIABLE TRAFFIC LOADS	
69	EARTH_PRESSURE DX	
69	HYDROSTATIC	
69	ROAD PAVEMENT	
69	VARIABLE TRAFFIC LOADS	
70	EARTH_PRESSURE DX	
70	HYDROSTATIC	
70	ROAD PAVEMENT	
70	VARIABLE TRAFFIC LOADS	
71	EARTH_PRESSURE SX	
71	HYDROSTATIC	
71	VARIABLE TRAFFIC LOADS	
72	EARTH_PRESSURE SX	
72	HYDROSTATIC	
72	VARIABLE TRAFFIC LOADS	
73	EARTH_PRESSURE SX	
73	HYDROSTATIC	
73	VARIABLE TRAFFIC LOADS	
74	EARTH_PRESSURE SX	
74	HYDROSTATIC	
74	VARIABLE TRAFFIC LOADS	
75	EARTH_PRESSURE SX	
75	HYDROSTATIC	
75	VARIABLE TRAFFIC LOADS	
76	EARTH_PRESSURE SX	
76	HYDROSTATIC	
76	VARIABLE TRAFFIC LOADS	
77	EARTH_PRESSURE SX	
77	HYDROSTATIC	
77	VARIABLE TRAFFIC LOADS	
78	EARTH_PRESSURE SX	
78	HYDROSTATIC	
78	VARIABLE TRAFFIC LOADS	

Table: Joint Loads - Force, Part 1 of 2

Table: Joint Loads - Force, Part 1 of 2							
Joint	LoadPat	CoordSys	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
16	VARIABLE TRAFFIC LOADS2	GLOBAL	0,000	0,000	-300,000	0,0000	0,0000
18	VARIABLE TRAFFIC LOADS2	GLOBAL	0,000	0,000	-300,000	0,0000	0,0000

Table: Joint Loads - Force, Part 2 of 2

Table: Joint Loads - Force, Part 2 of 2			
Joint	LoadPat	M3 KN-m	GUID
16	VARIABLE TRAFFIC LOADS2	0,0000	
18	VARIABLE TRAFFIC LOADS2	0,0000	

Table: Load Case Definitions, Part 1 of 2

Table: Load Case Definitions, Part 1 of 2							
Case	Type	InitialCond	ModalCase	BaseCase	DesTypeOpt	DesignType	AutoType
DEAD	LinStatic	Zero			Prog Det	DEAD	None
MODAL	LinModal	Zero			Prog Det	OTHER	None
EARTH	LinStatic	Zero			Prog Det	DEAD	None
EARTH_PR ESSURED X	LinStatic	Zero			Prog Det	DEAD	None
EARTH_PR ESSURE SX	LinStatic	Zero			Prog Det	DEAD	None
HYDROSTA TIC	LinStatic	Zero			Prog Det	DEAD	None
TRAFFIC PAVEMENT	LinStatic	Zero			Prog Det	DEAD	None
VARIABLE TRAFFIC LOADS	LinStatic	Zero			Prog Det	DEAD	None
VARIABLE TRAFFIC LOADS2	LinStatic	Zero			Prog Det	DEAD	None

Table: Load Case Definitions, Part 2 of 2

Table: Load Case Definitions, Part 2 of 2				
Case	RunCase	CaseStatus	GUID	Notes
DEAD	Yes	Finished		
MODAL	No	Not Run		
EARTH	Yes	Finished		
EARTH_PR ESSURED X	Yes	Finished		
EARTH_PR ESSURE SX	Yes	Finished		
HYDROSTA TIC	Yes	Finished		
TRAFFIC PAVEMENT	Yes	Finished		
VARIABLE TRAFFIC LOADS	Yes	Finished		

Table: Load Case Definitions, Part 2 of 2

Case	RunCase	CaseStatus	GUID	Notes
VARIABLE TRAFFIC LOADS2	Yes	Finished		

Table: Load Pattern Definitions

Table: Load Pattern Definitions

LoadPat	DesignType	SelfWtMult	AutoLoad	GUID	Notes
DEAD	DEAD	1,000000			
EARTH	DEAD	0,000000			
EARTH_PRESSURE DX	DEAD	0,000000			
EARTH_PRESSURE SX	DEAD	0,000000			
HYDROSTATIC	DEAD	0,000000			
ROAD PAVEMENT	DEAD	0,000000			
VARIABLE TRAFFIC LOADS	DEAD	0,000000			
VARIABLE TRAFFIC LOADS2	DEAD	0,000000			

Table: Combination Definitions, Part 1 of 3

Table: Combination Definitions, Part 1 of 3

ComboName	ComboType	AutoDesign	CaseType	CaseName	ScaleFactor	SteelDesign			
USL1	Linear Add	No	Linear Static	EARTH	1,000000	None			
USL1			Linear Static	EARTH_PRESSURE DX	1,000000				
USL1	Linear Add	No	Linear Static	HYDROSTATIC	1,000000	None			
USL1			Linear Static	DEAD	1,000000				
USL1			Linear Static	VARIABLE TRAFFIC LOADS	0,700000				
USL1			Linear Static	TRAFFIC PAVEMENT	1,000000				
USL1			Linear Static	VARIABLE TRAFFIC LOADS2	0,700000				
USL1			Linear Static	INERTIA	1,000000				
ULS2			Linear Static	VARIABLE TRAFFIC LOADS2	0,700000				
ULS2			Linear Static	TRAFFIC PAVEMENT	1,000000				
USL2	Linear Add	No	Linear Static	EARTH	1,000000	None			
USL2			Linear Static	EARTH_PRESSURE DX	1,000000				
USL2			Linear Static	VARIABLE TRAFFIC LOADS	0,700000				
USL2			Linear Static	TRAFFIC PAVEMENT	1,000000				
USL2			Linear Static	DEAD	1,000000				
USL2			Linear Static	INERTIA	1,000000				
ENVELOPE_ULS			Envelope	No	Response Combo		ULS2	1,000000	None
ENVELOPE_ULS					Response Combo		USL1	1,000000	

Table: Combination Definitions, Part 2 of 3

Table: Combination Definitions, Part 2 of 3

ComboName	CaseName	ConcDesign	AlumDesign	ColdDesign
USL1	EARTH	None	None	None
USL1	EARTH_PRESSURE DX			
USL1	HYDROSTATIC			
USL1	DEAD			
USL1	VARIABLE TRAFFIC LOADS			
USL1	TRAFFIC PAVEMENT			
USL1	VARIABLE TRAFFIC LOADS2			
USL1	INERTIA			
ULS2	VARIABLE TRAFFIC LOADS2	None	None	None
ULS2	EARTH			
ULS2	EARTH_PRESSURE DX			
ULS2	VARIABLE TRAFFIC LOADS			
ULS2	TRAFFIC PAVEMENT			
ULS2	DEAD			
ULS2	INERTIA			
ENVELOPE_ULS	ULS2	None	None	None
ENVELOPE_ULS	USL1			

Table: Combination Definitions, Part 3 of 3

Table: Combination Definitions, Part 3 of 3

ComboName	CaseName	GUID	Notes
USL1	EARTH		
USL1	EARTH_PRESSURE DX		
USL1	HYDROSTATIC		
USL1	DEAD		
USL1	VARIABLE TRAFFIC LOADS		
USL1	TRAFFIC PAVEMENT		
USL1	VARIABLE TRAFFIC LOADS2		
USL1	INERTIA		
ULS2	VARIABLE TRAFFIC LOADS2		
ULS2	EARTH		
ULS2	EARTH_PRESSURE DX		
ULS2	VARIABLE TRAFFIC LOADS		
ULS2	TRAFFIC PAVEMENT		
ULS2	DEAD		
ULS2	INERTIA		
ENVELOPE_ULS	ULS2		
ENVELOPE_ULS	USL1		

Table: Element Forces - Frames, Part 1 of 2

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
1	0,00000	USL1	Combination		-1230,004	249,320	-8,520E-14	-1,572E-13
1	0,23812	USL1	Combination		-1238,981	287,571	-8,520E-14	-1,572E-13
1	0,47625	USL1	Combination		-1247,959	326,839	-8,520E-14	-1,572E-13
1	0,00000	ULS2	Combination		-1129,817	182,268	6,384E-17	-9,093E-16
1	0,23812	ULS2	Combination		-1138,795	205,073	6,384E-17	-9,093E-16
1	0,47625	ULS2	Combination		-1147,772	228,390	6,384E-17	-9,093E-16
1	0,00000	ENVELOPE_ ULS	Combination	Max	-1129,817	249,320	6,384E-17	-9,093E-16
1	0,23812	ENVELOPE_ ULS	Combination	Max	-1138,795	287,571	6,384E-17	-9,093E-16
1	0,47625	ENVELOPE_ ULS	Combination	Max	-1147,772	326,839	6,384E-17	-9,093E-16
1	0,00000	ENVELOPE_ ULS	Combination	Min	-1230,004	182,268	-8,520E-14	-1,572E-13
1	0,23812	ENVELOPE_ ULS	Combination	Min	-1238,981	205,073	-8,520E-14	-1,572E-13
1	0,47625	ENVELOPE_ ULS	Combination	Min	-1247,959	228,390	-8,520E-14	-1,572E-13
2	0,00000	USL1	Combination		-1645,913	-364,651	-7,042E-15	-2,788E-14
2	0,57862	USL1	Combination		-1562,227	-253,098	-7,042E-15	-2,788E-14
2	1,15723	USL1	Combination		-1478,540	-143,628	-7,042E-15	-2,788E-14
2	0,00000	ULS2	Combination		-1519,389	-348,733	6,384E-17	5,406E-16
2	0,57862	ULS2	Combination		-1435,703	-258,241	6,384E-17	5,406E-16
2	1,15723	ULS2	Combination		-1352,016	-167,750	6,384E-17	5,406E-16
2	0,00000	ENVELOPE_ ULS	Combination	Max	-1519,389	-348,733	6,384E-17	5,406E-16

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
2	0,57862	ENVELOPE_ ULS	Combination	Max	-1435,703	-253,098	6,384E-17	5,406E-16
2	1,15723	ENVELOPE_ ULS	Combination	Max	-1352,016	-143,628	6,384E-17	5,406E-16
2	0,00000	ENVELOPE_ ULS	Combination	Min	-1645,913	-364,651	-7,042E-15	-2,788E-14
2	0,57862	ENVELOPE_ ULS	Combination	Min	-1562,227	-258,241	-7,042E-15	-2,788E-14
2	1,15723	ENVELOPE_ ULS	Combination	Min	-1478,540	-167,750	-7,042E-15	-2,788E-14
3	0,00000	USL1	Combination		-1458,918	-163,250	6,384E-17	-2,699E-14
3	0,51232	USL1	Combination		-1392,690	-75,947	6,384E-17	-2,699E-14
3	1,02464	USL1	Combination		-1326,462	9,690	6,384E-17	-2,699E-14
3	0,00000	ULS2	Combination		-1332,394	-187,372	6,384E-17	5,406E-16
3	0,51232	ULS2	Combination		-1266,166	-115,119	6,384E-17	5,406E-16
3	1,02464	ULS2	Combination		-1199,938	-42,866	6,384E-17	5,406E-16
3	0,00000	ENVELOPE_ ULS	Combination	Max	-1332,394	-163,250	6,384E-17	5,406E-16
3	0,51232	ENVELOPE_ ULS	Combination	Max	-1266,166	-75,947	6,384E-17	5,406E-16
3	1,02464	ENVELOPE_ ULS	Combination	Max	-1199,938	9,690	6,384E-17	5,406E-16
3	0,00000	ENVELOPE_ ULS	Combination	Min	-1458,918	-187,372	6,384E-17	-2,699E-14
3	0,51232	ENVELOPE_ ULS	Combination	Min	-1392,690	-115,119	6,384E-17	-2,699E-14
3	1,02464	ENVELOPE_ ULS	Combination	Min	-1326,462	-42,866	6,384E-17	-2,699E-14
4	0,00000	USL1	Combination		-1304,908	-71,714	-2,836E-14	-2,522E-14
4	0,49473	USL1	Combination		-1253,976	1,785	-2,836E-14	-2,522E-14
4	0,98945	USL1	Combination		-1203,044	73,825	-2,836E-14	-2,522E-14
4	0,00000	ULS2	Combination		-1176,041	-118,228	6,384E-17	5,417E-16
4	0,49473	ULS2	Combination		-1125,109	-56,120	6,384E-17	5,417E-16
4	0,98945	ULS2	Combination		-1074,176	5,988	6,384E-17	5,417E-16
4	0,00000	ENVELOPE_ ULS	Combination	Max	-1176,041	-71,714	6,384E-17	5,417E-16
4	0,49473	ENVELOPE_ ULS	Combination	Max	-1125,109	1,785	6,384E-17	5,417E-16
4	0,98945	ENVELOPE_ ULS	Combination	Max	-1074,176	73,825	6,384E-17	5,417E-16
4	0,00000	ENVELOPE_ ULS	Combination	Min	-1304,908	-118,228	-2,836E-14	-2,522E-14
4	0,49473	ENVELOPE_ ULS	Combination	Min	-1253,976	-56,120	-2,836E-14	-2,522E-14
4	0,98945	ENVELOPE_ ULS	Combination	Min	-1203,044	5,988	-2,836E-14	-2,522E-14
5	0,00000	USL1	Combination		-1170,043	-179,962	6,384E-17	-8,583E-15
5	0,49402	USL1	Combination		-1139,280	-111,886	6,384E-17	-8,583E-15
5	0,98804	USL1	Combination		-1108,518	-44,946	6,384E-17	-8,583E-15
5	0,00000	ULS2	Combination		-1030,298	-220,954	6,384E-17	5,205E-16
5	0,49402	ULS2	Combination		-999,536	-161,499	6,384E-17	5,205E-16
5	0,98804	ULS2	Combination		-968,774	-102,043	6,384E-17	5,205E-16
5	0,00000	ENVELOPE_ ULS	Combination	Max	-1030,298	-179,962	6,384E-17	5,205E-16
5	0,49402	ENVELOPE_ ULS	Combination	Max	-999,536	-111,886	6,384E-17	5,205E-16
5	0,98804	ENVELOPE_ ULS	Combination	Max	-968,774	-44,946	6,384E-17	5,205E-16
5	0,00000	ENVELOPE_ ULS	Combination	Min	-1170,043	-220,954	6,384E-17	-8,583E-15
5	0,49402	ENVELOPE_ ULS	Combination	Min	-1139,280	-161,499	6,384E-17	-8,583E-15

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
5	0,98804	ENVELOPE_ ULS	Combination	Min	-1108,518	-102,043	6,384E-17	-8,583E-15
6	0,00000	USL1	Combination		-1048,372	-284,596	-2,836E-14	1,847E-17
6	0,49382	USL1	Combination		-1033,494	-221,629	-2,836E-14	1,847E-17
6	0,98763	USL1	Combination		-1018,616	-159,377	-2,836E-14	1,847E-17
6	0,00000	ULS2	Combination		-899,780	-311,224	6,384E-17	4,626E-16
6	0,49382	ULS2	Combination		-884,902	-254,812	6,384E-17	4,626E-16
6	0,98763	ULS2	Combination		-870,024	-198,400	6,384E-17	4,626E-16
6	0,00000	ENVELOPE_ ULS	Combination	Max	-899,780	-284,596	6,384E-17	4,626E-16
6	0,49382	ENVELOPE_ ULS	Combination	Max	-884,902	-221,629	6,384E-17	4,626E-16
6	0,98763	ENVELOPE_ ULS	Combination	Max	-870,024	-159,377	6,384E-17	4,626E-16
6	0,00000	ENVELOPE_ ULS	Combination	Min	-1048,372	-311,224	-2,836E-14	1,847E-17
6	0,49382	ENVELOPE_ ULS	Combination	Min	-1033,494	-254,812	-2,836E-14	1,847E-17
6	0,98763	ENVELOPE_ ULS	Combination	Min	-1018,616	-198,400	-2,836E-14	1,847E-17
7	0,00000	USL1	Combination		-837,991	-177,150	-2,836E-14	1,369E-14
7	0,52308	USL1	Combination		-836,169	-116,135	-2,836E-14	1,369E-14
7	1,04617	USL1	Combination		-834,347	-55,407	-2,836E-14	1,369E-14
7	0,00000	ULS2	Combination		-684,484	-183,298	6,384E-17	3,680E-16
7	0,52308	ULS2	Combination		-682,662	-127,945	6,384E-17	3,680E-16
7	1,04617	ULS2	Combination		-680,840	-72,592	6,384E-17	3,680E-16
7	0,00000	ENVELOPE_ ULS	Combination	Max	-684,484	-177,150	6,384E-17	1,369E-14
7	0,52308	ENVELOPE_ ULS	Combination	Max	-682,662	-116,135	6,384E-17	1,369E-14
7	1,04617	ENVELOPE_ ULS	Combination	Max	-680,840	-55,407	6,384E-17	1,369E-14
7	0,00000	ENVELOPE_ ULS	Combination	Min	-837,991	-183,298	-2,836E-14	3,680E-16
7	0,52308	ENVELOPE_ ULS	Combination	Min	-836,169	-127,945	-2,836E-14	3,680E-16
7	1,04617	ENVELOPE_ ULS	Combination	Min	-834,347	-72,592	-2,836E-14	3,680E-16
8	0,00000	USL1	Combination		-772,902	-238,583	1,427E-14	3,576E-14
8	0,54165	USL1	Combination		-757,500	-173,676	1,427E-14	3,576E-14
8	1,08329	USL1	Combination		-741,803	-108,437	1,427E-14	3,576E-14
8	0,00000	ULS2	Combination		-619,466	-220,776	6,384E-17	2,356E-16
8	0,54165	ULS2	Combination		-604,064	-161,434	6,384E-17	2,356E-16
8	1,08329	ULS2	Combination		-588,367	-102,059	6,384E-17	2,356E-16
8	0,00000	ENVELOPE_ ULS	Combination	Max	-619,466	-220,776	1,427E-14	3,576E-14
8	0,54165	ENVELOPE_ ULS	Combination	Max	-604,064	-161,434	1,427E-14	3,576E-14
8	1,08329	ENVELOPE_ ULS	Combination	Max	-588,367	-102,059	1,427E-14	3,576E-14
8	0,00000	ENVELOPE_ ULS	Combination	Min	-772,902	-238,583	6,384E-17	2,356E-16
8	0,54165	ENVELOPE_ ULS	Combination	Min	-757,500	-173,676	6,384E-17	2,356E-16
8	1,08329	ENVELOPE_ ULS	Combination	Min	-741,803	-108,437	6,384E-17	2,356E-16
9	0,00000	USL1	Combination		-675,194	-36,901	1,427E-14	5,515E-14
9	0,49252	USL1	Combination		-674,594	30,614	1,427E-14	5,515E-14
9	0,98504	USL1	Combination		-673,297	99,087	1,427E-14	5,515E-14
9	0,00000	ULS2	Combination		-526,867	2,880	6,384E-17	8,028E-17
9	0,49252	ULS2	Combination		-526,267	64,571	6,384E-17	8,028E-17
9	0,98504	ULS2	Combination		-524,970	126,506	6,384E-17	8,028E-17

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
9	0,00000	ENVELOPE_ ULS	Combination	Max	-526,867	2,880	1,427E-14	5,515E-14
9	0,49252	ENVELOPE_ ULS	Combination	Max	-526,267	64,571	1,427E-14	5,515E-14
9	0,98504	ENVELOPE_ ULS	Combination	Max	-524,970	126,506	1,427E-14	5,515E-14
9	0,00000	ENVELOPE_ ULS	Combination	Min	-675,194	-36,901	6,384E-17	8,028E-17
9	0,49252	ENVELOPE_ ULS	Combination	Min	-674,594	30,614	6,384E-17	8,028E-17
9	0,98504	ENVELOPE_ ULS	Combination	Min	-673,297	99,087	6,384E-17	8,028E-17
10	0,00000	USL1	Combination		-655,450	-28,938	5,691E-14	6,431E-14
10	0,49197	USL1	Combination		-670,715	47,095	5,691E-14	6,431E-14
10	0,98394	USL1	Combination		-685,013	124,846	5,691E-14	6,431E-14
10	0,00000	ULS2	Combination		-516,089	28,778	6,384E-17	-8,441E-17
10	0,49197	ULS2	Combination		-531,354	97,357	6,384E-17	-8,441E-17
10	0,98394	ULS2	Combination		-545,652	166,524	6,384E-17	-8,441E-17
10	0,00000	ENVELOPE_ ULS	Combination	Max	-516,089	28,778	5,691E-14	6,431E-14
10	0,49197	ENVELOPE_ ULS	Combination	Max	-531,354	97,357	5,691E-14	6,431E-14
10	0,98394	ENVELOPE_ ULS	Combination	Max	-545,652	166,524	5,691E-14	6,431E-14
10	0,00000	ENVELOPE_ ULS	Combination	Min	-655,450	-28,938	6,384E-17	-8,441E-17
10	0,49197	ENVELOPE_ ULS	Combination	Min	-670,715	47,095	6,384E-17	-8,441E-17
10	0,98394	ENVELOPE_ ULS	Combination	Min	-685,013	124,846	6,384E-17	-8,441E-17
11	0,00000	USL1	Combination		-675,755	7,603	5,691E-14	7,791E-14
11	0,49208	USL1	Combination		-711,256	93,180	5,691E-14	7,791E-14
11	0,98416	USL1	Combination		-745,670	181,207	5,691E-14	7,791E-14
11	0,00000	ULS2	Combination		-547,198	75,660	6,384E-17	-2,475E-16
11	0,49208	ULS2	Combination		-582,700	151,359	6,384E-17	-2,475E-16
11	0,98416	ULS2	Combination		-617,113	228,055	6,384E-17	-2,475E-16
11	0,00000	ENVELOPE_ ULS	Combination	Max	-547,198	75,660	5,691E-14	7,791E-14
11	0,49208	ENVELOPE_ ULS	Combination	Max	-582,700	151,359	5,691E-14	7,791E-14
11	0,98416	ENVELOPE_ ULS	Combination	Max	-617,113	228,055	5,691E-14	7,791E-14
11	0,00000	ENVELOPE_ ULS	Combination	Min	-675,755	7,603	6,384E-17	-2,475E-16
11	0,49208	ENVELOPE_ ULS	Combination	Min	-711,256	93,180	6,384E-17	-2,475E-16
11	0,98416	ENVELOPE_ ULS	Combination	Min	-745,670	181,207	6,384E-17	-2,475E-16
12	0,00000	USL1	Combination		-733,188	168,404	8,533E-14	7,610E-14
12	0,50938	USL1	Combination		-781,538	271,048	8,533E-14	7,610E-14
12	1,01876	USL1	Combination		-828,736	376,500	8,533E-14	7,610E-14
12	0,00000	ULS2	Combination		-606,779	220,769	6,384E-17	-2,851E-16
12	0,50938	ULS2	Combination		-655,129	310,106	6,384E-17	-2,851E-16
12	1,01876	ULS2	Combination		-702,326	400,595	6,384E-17	-2,851E-16
12	0,00000	ENVELOPE_ ULS	Combination	Max	-606,779	220,769	8,533E-14	7,610E-14
12	0,50938	ENVELOPE_ ULS	Combination	Max	-655,129	310,106	8,533E-14	7,610E-14
12	1,01876	ENVELOPE_ ULS	Combination	Max	-702,326	400,595	8,533E-14	7,610E-14
12	0,00000	ENVELOPE_ ULS	Combination	Min	-733,188	168,404	6,384E-17	-2,851E-16

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
12	0,50938	ENVELOPE_ ULS	Combination	Min	-781,538	271,048	6,384E-17	-2,851E-16
12	1,01876	ENVELOPE_ ULS	Combination	Min	-828,736	376,500	6,384E-17	-2,851E-16
13	0,00000	USL1	Combination		-809,114	396,122	1,422E-13	7,077E-14
13	0,56894	USL1	Combination		-869,191	525,970	1,422E-13	7,077E-14
13	1,13787	USL1	Combination		-927,801	659,334	1,422E-13	7,077E-14
13	0,00000	ULS2	Combination		-682,704	420,217	6,384E-17	-2,851E-16
13	0,56894	ULS2	Combination		-742,782	531,404	6,384E-17	-2,851E-16
13	1,13787	ULS2	Combination		-801,391	644,059	6,384E-17	-2,851E-16
13	0,00000	ENVELOPE_ ULS	Combination	Max	-682,704	420,217	1,422E-13	7,077E-14
13	0,56894	ENVELOPE_ ULS	Combination	Max	-742,782	531,404	1,422E-13	7,077E-14
13	1,13787	ENVELOPE_ ULS	Combination	Max	-801,391	659,334	1,422E-13	7,077E-14
13	0,00000	ENVELOPE_ ULS	Combination	Min	-809,114	396,122	6,384E-17	-2,851E-16
13	0,56894	ENVELOPE_ ULS	Combination	Min	-869,191	525,970	6,384E-17	-2,851E-16
13	1,13787	ENVELOPE_ ULS	Combination	Min	-927,801	644,059	6,384E-17	-2,851E-16
17	0,00000	USL1	Combination		133,420	-157,164	-4,176E-14	3,244E-14
17	0,38282	USL1	Combination		133,420	-133,448	-4,264E-14	3,244E-14
17	0,00000	ULS2	Combination		252,260	-85,655	-1,334E-14	-3,092E-15
17	0,38282	ULS2	Combination		252,260	-92,872	-1,422E-14	-3,092E-15
17	0,00000	ENVELOPE_ ULS	Combination	Max	252,260	-85,655	-1,334E-14	3,244E-14
17	0,38282	ENVELOPE_ ULS	Combination	Max	252,260	-92,872	-1,422E-14	3,244E-14
17	0,00000	ENVELOPE_ ULS	Combination	Min	133,420	-157,164	-4,176E-14	-3,092E-15
17	0,38282	ENVELOPE_ ULS	Combination	Min	133,420	-133,448	-4,264E-14	-3,092E-15
26	0,00000	USL1	Combination		-204,050	-406,309	-3,127E-14	-4,672E-14
26	0,23812	USL1	Combination		-208,539	-366,022	-3,127E-14	-4,672E-14
26	0,47625	USL1	Combination		-213,028	-324,718	-3,127E-14	-4,672E-14
26	0,00000	ULS2	Combination		-160,979	-418,815	-2,848E-15	6,125E-15
26	0,23812	ULS2	Combination		-165,468	-394,985	-2,848E-15	6,125E-15
26	0,47625	ULS2	Combination		-169,956	-370,644	-2,848E-15	6,125E-15
26	0,00000	ENVELOPE_ ULS	Combination	Max	-160,979	-406,309	-2,848E-15	6,125E-15
26	0,23812	ENVELOPE_ ULS	Combination	Max	-165,468	-366,022	-2,848E-15	6,125E-15
26	0,47625	ENVELOPE_ ULS	Combination	Max	-169,956	-324,718	-2,848E-15	6,125E-15
26	0,00000	ENVELOPE_ ULS	Combination	Min	-204,050	-418,815	-3,127E-14	-4,672E-14
26	0,23812	ENVELOPE_ ULS	Combination	Min	-208,539	-394,985	-3,127E-14	-4,672E-14
26	0,47625	ENVELOPE_ ULS	Combination	Min	-213,028	-370,644	-3,127E-14	-4,672E-14
33	0,00000	USL1	Combination		128,120	-58,533	-8,682E-15	3,244E-14
33	0,38282	USL1	Combination		128,120	-34,817	-9,565E-15	3,244E-14
33	0,00000	ULS2	Combination		246,960	10,381	-1,576E-15	-3,092E-15
33	0,38282	ULS2	Combination		246,960	3,165	-2,460E-15	-3,092E-15
33	0,00000	ENVELOPE_ ULS	Combination	Max	246,960	10,381	-1,576E-15	3,244E-14
33	0,38282	ENVELOPE_ ULS	Combination	Max	246,960	3,165	-2,460E-15	3,244E-14
33	0,00000	ENVELOPE_ ULS	Combination	Min	128,120	-58,533	-8,682E-15	-3,092E-15

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
33	0,38282	ENVELOPE_ ULS	Combination	Min	128,120	-34,817	-9,565E-15	-3,092E-15
37	0,00000	USL1	Combination		-509,481	156,223	-4,287E-15	-7,030E-15
37	0,23812	USL1	Combination		-504,993	175,166	-4,045E-15	-7,030E-15
37	0,47625	USL1	Combination		-500,504	193,604	-3,802E-15	-7,030E-15
37	0,00000	ULS2	Combination		-465,261	202,453	2,413E-14	1,852E-15
37	0,23812	ULS2	Combination		-460,772	204,433	2,438E-14	1,852E-15
37	0,47625	ULS2	Combination		-456,283	206,414	2,462E-14	1,852E-15
37	0,00000	ENVELOPE_ ULS	Combination	Max	-465,261	202,453	2,413E-14	1,852E-15
37	0,23812	ENVELOPE_ ULS	Combination	Max	-460,772	204,433	2,438E-14	1,852E-15
37	0,47625	ENVELOPE_ ULS	Combination	Max	-456,283	206,414	2,462E-14	1,852E-15
37	0,00000	ENVELOPE_ ULS	Combination	Min	-509,481	156,223	-4,287E-15	-7,030E-15
37	0,23812	ENVELOPE_ ULS	Combination	Min	-504,993	175,166	-4,045E-15	-7,030E-15
37	0,47625	ENVELOPE_ ULS	Combination	Min	-500,504	193,604	-3,802E-15	-7,030E-15
38	0,00000	USL1	Combination		-1547,369	-516,682	-1,366E-13	-2,994E-14
38	0,23812	USL1	Combination		-1538,391	-498,750	-1,364E-13	-2,994E-14
38	0,47625	USL1	Combination		-1529,414	-481,325	-1,361E-13	-2,994E-14
38	0,00000	ULS2	Combination		-1446,647	-419,690	-5,133E-14	2,585E-16
38	0,23812	ULS2	Combination		-1437,669	-417,710	-5,109E-14	2,585E-16
38	0,47625	ULS2	Combination		-1428,692	-415,729	-5,085E-14	2,585E-16
38	0,00000	ENVELOPE_ ULS	Combination	Max	-1446,647	-419,690	-5,133E-14	2,585E-16
38	0,23812	ENVELOPE_ ULS	Combination	Max	-1437,669	-417,710	-5,109E-14	2,585E-16
38	0,47625	ENVELOPE_ ULS	Combination	Max	-1428,692	-415,729	-5,085E-14	2,585E-16
38	0,00000	ENVELOPE_ ULS	Combination	Min	-1547,369	-516,682	-1,366E-13	-2,994E-14
38	0,23812	ENVELOPE_ ULS	Combination	Min	-1538,391	-498,750	-1,364E-13	-2,994E-14
38	0,47625	ENVELOPE_ ULS	Combination	Min	-1529,414	-481,325	-1,361E-13	-2,994E-14
39	0,00000	USL1	Combination		-1369,222	208,240	8,645E-15	6,927E-15
39	1,04715	USL1	Combination		-1355,756	193,807	6,877E-15	6,927E-15
39	2,09431	USL1	Combination		-1342,290	179,374	5,110E-15	6,927E-15
39	0,00000	ULS2	Combination		-1269,248	224,244	2,818E-14	-1,511E-15
39	1,04715	ULS2	Combination		-1255,781	209,811	2,642E-14	-1,511E-15
39	2,09431	ULS2	Combination		-1242,315	195,379	2,465E-14	-1,511E-15
39	0,00000	ENVELOPE_ ULS	Combination	Max	-1269,248	224,244	2,818E-14	6,927E-15
39	1,04715	ENVELOPE_ ULS	Combination	Max	-1255,781	209,811	2,642E-14	6,927E-15
39	2,09431	ENVELOPE_ ULS	Combination	Max	-1242,315	195,379	2,465E-14	6,927E-15
39	0,00000	ENVELOPE_ ULS	Combination	Min	-1369,222	208,240	8,645E-15	-1,511E-15
39	1,04715	ENVELOPE_ ULS	Combination	Min	-1355,756	193,807	6,877E-15	-1,511E-15
39	2,09431	ENVELOPE_ ULS	Combination	Min	-1342,290	179,374	5,110E-15	-1,511E-15
40	0,00000	USL1	Combination		-1282,200	271,771	5,440E-14	-1,609E-14
40	1,03322	USL1	Combination		-1268,733	257,700	5,268E-14	-1,609E-14
40	2,06644	USL1	Combination		-1255,267	243,628	5,096E-14	-1,609E-14
40	0,00000	ULS2	Combination		-1180,619	289,928	3,842E-14	-2,095E-16
40	1,03322	ULS2	Combination		-1167,153	275,857	3,669E-14	-2,095E-16
40	2,06644	ULS2	Combination		-1153,686	261,786	3,497E-14	-2,095E-16

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
40	0,00000	ENVELOPE_ ULS	Combination	Max	-1180,619	289,928	5,440E-14	-2,095E-16
40	1,03322	ENVELOPE_ ULS	Combination	Max	-1167,153	275,857	5,268E-14	-2,095E-16
40	2,06644	ENVELOPE_ ULS	Combination	Max	-1153,686	261,786	5,096E-14	-2,095E-16
40	0,00000	ENVELOPE_ ULS	Combination	Min	-1282,200	271,771	3,842E-14	-1,609E-14
40	1,03322	ENVELOPE_ ULS	Combination	Min	-1268,733	257,700	3,669E-14	-1,609E-14
40	2,06644	ENVELOPE_ ULS	Combination	Min	-1255,267	243,628	3,497E-14	-1,609E-14
41	0,00000	USL1	Combination		122,820	41,192	3,201E-15	2,711E-14
41	0,36365	USL1	Combination		122,820	63,720	2,362E-15	2,711E-14
41	0,00000	ULS2	Combination		241,660	107,412	1,031E-14	-3,092E-15
41	0,36365	ULS2	Combination		241,660	100,557	9,467E-15	-3,092E-15
41	0,00000	ENVELOPE_ ULS	Combination	Max	241,660	107,412	1,031E-14	2,711E-14
41	0,36365	ENVELOPE_ ULS	Combination	Max	241,660	100,557	9,467E-15	2,711E-14
41	0,00000	ENVELOPE_ ULS	Combination	Min	122,820	41,192	3,201E-15	-3,092E-15
41	0,36365	ENVELOPE_ ULS	Combination	Min	122,820	63,720	2,362E-15	-3,092E-15
42	0,00000	USL1	Combination		117,520	140,776	1,169E-14	2,355E-14
42	0,36365	USL1	Combination		117,520	163,304	1,085E-14	2,355E-14
42	0,00000	ULS2	Combination		236,360	205,747	2,235E-14	-3,092E-15
42	0,36365	ULS2	Combination		236,360	198,892	2,151E-14	-3,092E-15
42	0,00000	ENVELOPE_ ULS	Combination	Max	236,360	205,747	2,235E-14	2,355E-14
42	0,36365	ENVELOPE_ ULS	Combination	Max	236,360	198,892	2,151E-14	2,355E-14
42	0,00000	ENVELOPE_ ULS	Combination	Min	117,520	140,776	1,169E-14	-3,092E-15
42	0,36365	ENVELOPE_ ULS	Combination	Min	117,520	163,304	1,085E-14	-3,092E-15
43	0,00000	USL1	Combination		-1023,453	-229,676	-2,255E-14	-2,424E-14
43	0,25031	USL1	Combination		-1047,097	-196,717	-2,101E-14	-2,424E-14
43	0,50061	USL1	Combination		-1071,020	-163,153	-1,944E-14	-2,424E-14
43	0,00000	ULS2	Combination		-789,482	-271,677	-3,321E-14	-1,145E-15
43	0,25031	ULS2	Combination		-813,125	-259,124	-3,167E-14	-1,145E-15
43	0,50061	ULS2	Combination		-837,048	-246,330	-3,010E-14	-1,145E-15
43	0,00000	ENVELOPE_ ULS	Combination	Max	-789,482	-229,676	-2,255E-14	-1,145E-15
43	0,25031	ENVELOPE_ ULS	Combination	Max	-813,125	-196,717	-2,101E-14	-1,145E-15
43	0,50061	ENVELOPE_ ULS	Combination	Max	-837,048	-163,153	-1,944E-14	-1,145E-15
43	0,00000	ENVELOPE_ ULS	Combination	Min	-1023,453	-271,677	-3,321E-14	-2,424E-14
43	0,25031	ENVELOPE_ ULS	Combination	Min	-1047,097	-259,124	-3,167E-14	-2,424E-14
43	0,50061	ENVELOPE_ ULS	Combination	Min	-1071,020	-246,330	-3,010E-14	-2,424E-14
44	0,00000	USL1	Combination		-1023,508	-99,776	-2,686E-14	-2,868E-14
44	0,25031	USL1	Combination		-1047,711	-65,609	-2,527E-14	-2,868E-14
44	0,50061	USL1	Combination		-1072,194	-30,839	-2,364E-14	-2,868E-14
44	0,00000	ULS2	Combination		-771,385	-161,846	-1,976E-14	-1,145E-15
44	0,25031	ULS2	Combination		-795,588	-148,811	-1,816E-14	-1,145E-15
44	0,50061	ULS2	Combination		-820,071	-135,536	-1,653E-14	-1,145E-15
44	0,00000	ENVELOPE_ ULS	Combination	Max	-771,385	-99,776	-1,976E-14	-1,145E-15

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
44	0,25031	ENVELOPE_ ULS	Combination	Max	-795,588	-65,609	-1,816E-14	-1,145E-15
44	0,50061	ENVELOPE_ ULS	Combination	Max	-820,071	-30,839	-1,653E-14	-1,145E-15
44	0,00000	ENVELOPE_ ULS	Combination	Min	-1023,508	-161,846	-2,686E-14	-2,868E-14
44	0,25031	ENVELOPE_ ULS	Combination	Min	-1047,711	-148,811	-2,527E-14	-2,868E-14
44	0,50061	ENVELOPE_ ULS	Combination	Min	-1072,194	-135,536	-2,364E-14	-2,868E-14
45	0,00000	USL1	Combination		-1013,471	-150,503	-2,254E-14	-2,010E-15
45	0,24951	USL1	Combination		-1040,132	-119,935	-2,146E-14	-2,010E-15
45	0,49901	USL1	Combination		-1067,041	-88,934	-2,036E-14	-2,010E-15
45	0,00000	ULS2	Combination		-732,698	-184,545	-2,254E-14	-1,122E-15
45	0,24951	ULS2	Combination		-759,360	-175,727	-2,146E-14	-1,122E-15
45	0,49901	ULS2	Combination		-786,268	-166,764	-2,036E-14	-1,122E-15
45	0,00000	ENVELOPE_ ULS	Combination	Max	-732,698	-150,503	-2,254E-14	-1,122E-15
45	0,24951	ENVELOPE_ ULS	Combination	Max	-759,360	-119,935	-2,146E-14	-1,122E-15
45	0,49901	ENVELOPE_ ULS	Combination	Max	-786,268	-88,934	-2,036E-14	-1,122E-15
45	0,00000	ENVELOPE_ ULS	Combination	Min	-1013,471	-184,545	-2,254E-14	-2,010E-15
45	0,24951	ENVELOPE_ ULS	Combination	Min	-1040,132	-175,727	-2,146E-14	-2,010E-15
45	0,49901	ENVELOPE_ ULS	Combination	Min	-1067,041	-166,764	-2,036E-14	-2,010E-15
46	0,00000	USL1	Combination		-1030,553	-16,228	5,654E-15	-1,000E-14
46	0,24951	USL1	Combination		-1057,709	15,204	6,769E-15	-1,000E-14
46	0,49901	USL1	Combination		-1085,112	47,069	7,903E-15	-1,000E-14
46	0,00000	ULS2	Combination		-735,903	-70,393	-8,557E-15	-1,122E-15
46	0,24951	ULS2	Combination		-763,060	-61,285	-7,441E-15	-1,122E-15
46	0,49901	ULS2	Combination		-790,463	-52,031	-6,308E-15	-1,122E-15
46	0,00000	ENVELOPE_ ULS	Combination	Max	-735,903	-16,228	5,654E-15	-1,122E-15
46	0,24951	ENVELOPE_ ULS	Combination	Max	-763,060	15,204	6,769E-15	-1,122E-15
46	0,49901	ENVELOPE_ ULS	Combination	Max	-790,463	47,069	7,903E-15	-1,122E-15
46	0,00000	ENVELOPE_ ULS	Combination	Min	-1030,553	-70,393	-8,557E-15	-1,000E-14
46	0,24951	ENVELOPE_ ULS	Combination	Min	-1057,709	-61,285	-7,441E-15	-1,000E-14
46	0,49901	ENVELOPE_ ULS	Combination	Min	-1085,112	-52,031	-6,308E-15	-1,000E-14
47	0,00000	USL1	Combination		-1050,322	-98,511	5,781E-14	2,114E-14
47	0,24961	USL1	Combination		-1079,278	-72,200	5,823E-14	2,114E-14
47	0,49922	USL1	Combination		-1108,400	-45,658	5,866E-14	2,114E-14
47	0,00000	ULS2	Combination		-732,930	-108,693	-1,325E-14	-1,063E-15
47	0,24961	ULS2	Combination		-761,886	-105,234	-1,282E-14	-1,063E-15
47	0,49922	ULS2	Combination		-791,008	-101,719	-1,239E-14	-1,063E-15
47	0,00000	ENVELOPE_ ULS	Combination	Max	-732,930	-98,511	5,781E-14	2,114E-14
47	0,24961	ENVELOPE_ ULS	Combination	Max	-761,886	-72,200	5,823E-14	2,114E-14
47	0,49922	ENVELOPE_ ULS	Combination	Max	-791,008	-45,658	5,866E-14	2,114E-14
47	0,00000	ENVELOPE_ ULS	Combination	Min	-1050,322	-108,693	-1,325E-14	-1,063E-15
47	0,24961	ENVELOPE_ ULS	Combination	Min	-1079,278	-105,234	-1,282E-14	-1,063E-15

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
47	0,49922	ENVELOPE_ ULS	Combination	Min	-1108,400	-101,719	-1,239E-14	-1,063E-15
48	0,00000	USL1	Combination		-1086,873	35,616	2,912E-14	2,292E-14
48	0,24961	USL1	Combination		-1116,161	62,388	2,956E-14	2,292E-14
48	0,49922	USL1	Combination		-1145,614	89,389	3,000E-14	2,292E-14
48	0,00000	ULS2	Combination		-760,923	5,209	7,018E-16	-1,063E-15
48	0,24961	ULS2	Combination		-790,211	8,779	1,139E-15	-1,063E-15
48	0,49922	ULS2	Combination		-819,664	12,405	1,583E-15	-1,063E-15
48	0,00000	ENVELOPE_ ULS	Combination	Max	-760,923	35,616	2,912E-14	2,292E-14
48	0,24961	ENVELOPE_ ULS	Combination	Max	-790,211	62,388	2,956E-14	2,292E-14
48	0,49922	ENVELOPE_ ULS	Combination	Max	-819,664	89,389	3,000E-14	2,292E-14
48	0,00000	ENVELOPE_ ULS	Combination	Min	-1086,873	5,209	7,018E-16	-1,063E-15
48	0,24961	ENVELOPE_ ULS	Combination	Min	-1116,161	8,779	1,139E-15	-1,063E-15
48	0,49922	ENVELOPE_ ULS	Combination	Min	-1145,614	12,405	1,583E-15	-1,063E-15
49	0,00000	USL1	Combination		-1134,582	-69,341	5,092E-14	3,989E-14
49	0,26085	USL1	Combination		-1165,652	-47,575	5,058E-14	3,989E-14
49	0,52170	USL1	Combination		-1196,909	-25,723	5,024E-14	3,989E-14
49	0,00000	ULS2	Combination		-796,800	-48,915	-5,926E-15	-9,695E-16
49	0,26085	ULS2	Combination		-827,869	-51,701	-6,268E-15	-9,695E-16
49	0,52170	ULS2	Combination		-859,127	-54,466	-6,606E-15	-9,695E-16
49	0,00000	ENVELOPE_ ULS	Combination	Max	-796,800	-48,915	5,092E-14	3,989E-14
49	0,26085	ENVELOPE_ ULS	Combination	Max	-827,869	-47,575	5,058E-14	3,989E-14
49	0,52170	ENVELOPE_ ULS	Combination	Max	-859,127	-25,723	5,024E-14	3,989E-14
49	0,00000	ENVELOPE_ ULS	Combination	Min	-1134,582	-69,341	-5,926E-15	-9,695E-16
49	0,26085	ENVELOPE_ ULS	Combination	Min	-1165,652	-51,701	-6,268E-15	-9,695E-16
49	0,52170	ENVELOPE_ ULS	Combination	Min	-1196,909	-54,466	-6,606E-15	-9,695E-16
50	0,00000	USL1	Combination		-1192,685	61,670	9,262E-14	4,522E-14
50	0,26085	USL1	Combination		-1224,131	83,607	9,229E-14	4,522E-14
50	0,52170	USL1	Combination		-1255,764	105,631	9,195E-14	4,522E-14
50	0,00000	ULS2	Combination		-851,991	59,567	7,359E-15	-9,695E-16
50	0,26085	ULS2	Combination		-883,436	56,822	7,023E-15	-9,695E-16
50	0,52170	ULS2	Combination		-915,069	54,098	6,689E-15	-9,695E-16
50	0,00000	ENVELOPE_ ULS	Combination	Max	-851,991	61,670	9,262E-14	4,522E-14
50	0,26085	ENVELOPE_ ULS	Combination	Max	-883,436	83,607	9,229E-14	4,522E-14
50	0,52170	ENVELOPE_ ULS	Combination	Max	-915,069	105,631	9,195E-14	4,522E-14
50	0,00000	ENVELOPE_ ULS	Combination	Min	-1192,685	59,567	7,359E-15	-9,695E-16
50	0,26085	ENVELOPE_ ULS	Combination	Min	-1224,131	56,822	7,023E-15	-9,695E-16
50	0,52170	ENVELOPE_ ULS	Combination	Min	-1255,764	54,098	6,689E-15	-9,695E-16
51	0,00000	USL1	Combination		-1264,198	-75,092	5,366E-14	4,712E-14
51	0,25154	USL1	Combination		-1263,577	-57,122	5,294E-14	4,712E-14
51	0,50307	USL1	Combination		-1262,956	-39,215	5,222E-14	4,712E-14
51	0,00000	ULS2	Combination		-923,134	-26,511	-3,183E-15	-8,452E-16
51	0,25154	ULS2	Combination		-922,513	-32,406	-3,905E-15	-8,452E-16
51	0,50307	ULS2	Combination		-921,891	-38,300	-4,627E-15	-8,452E-16

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
51	0,00000	ENVELOPE_ ULS	Combination	Max	-923,134	-26,511	5,366E-14	4,712E-14
51	0,25154	ENVELOPE_ ULS	Combination	Max	-922,513	-32,406	5,294E-14	4,712E-14
51	0,50307	ENVELOPE_ ULS	Combination	Max	-921,891	-38,300	5,222E-14	4,712E-14
51	0,00000	ENVELOPE_ ULS	Combination	Min	-1264,198	-75,092	-3,183E-15	-8,452E-16
51	0,25154	ENVELOPE_ ULS	Combination	Min	-1263,577	-57,122	-3,905E-15	-8,452E-16
51	0,50307	ENVELOPE_ ULS	Combination	Min	-1262,956	-39,215	-4,627E-15	-8,452E-16
52	0,00000	USL1	Combination		-1277,791	50,988	3,811E-14	4,356E-14
52	0,25154	USL1	Combination		-1277,170	68,833	3,738E-14	4,356E-14
52	0,50307	USL1	Combination		-1276,549	86,614	3,666E-14	4,356E-14
52	0,00000	ULS2	Combination		-939,537	78,564	9,685E-15	-8,452E-16
52	0,25154	ULS2	Combination		-938,915	72,670	8,963E-15	-8,452E-16
52	0,50307	ULS2	Combination		-938,294	66,775	8,241E-15	-8,452E-16
52	0,00000	ENVELOPE_ ULS	Combination	Max	-939,537	78,564	3,811E-14	4,356E-14
52	0,25154	ENVELOPE_ ULS	Combination	Max	-938,915	72,670	3,738E-14	4,356E-14
52	0,50307	ENVELOPE_ ULS	Combination	Max	-938,294	86,614	3,666E-14	4,356E-14
52	0,00000	ENVELOPE_ ULS	Combination	Min	-1277,791	50,988	9,685E-15	-8,452E-16
52	0,25154	ENVELOPE_ ULS	Combination	Min	-1277,170	68,833	8,963E-15	-8,452E-16
52	0,50307	ENVELOPE_ ULS	Combination	Min	-1276,549	66,775	8,241E-15	-8,452E-16
53	0,00000	USL1	Combination		-1300,569	-93,581	5,482E-14	3,660E-14
53	0,25024	USL1	Combination		-1298,745	-75,754	5,413E-14	3,660E-14
53	0,50047	USL1	Combination		-1296,922	-58,102	5,344E-14	3,660E-14
53	0,00000	ULS2	Combination		-973,905	-17,066	-2,026E-15	-6,995E-16
53	0,25024	ULS2	Combination		-972,081	-22,674	-2,713E-15	-6,995E-16
53	0,50047	ULS2	Combination		-970,257	-28,281	-3,400E-15	-6,995E-16
53	0,00000	ENVELOPE_ ULS	Combination	Max	-973,905	-17,066	5,482E-14	3,660E-14
53	0,25024	ENVELOPE_ ULS	Combination	Max	-972,081	-22,674	5,413E-14	3,660E-14
53	0,50047	ENVELOPE_ ULS	Combination	Max	-970,257	-28,281	5,344E-14	3,660E-14
53	0,00000	ENVELOPE_ ULS	Combination	Min	-1300,569	-93,581	-2,026E-15	-6,995E-16
53	0,25024	ENVELOPE_ ULS	Combination	Min	-1298,745	-75,754	-2,713E-15	-6,995E-16
53	0,50047	ENVELOPE_ ULS	Combination	Min	-1296,922	-58,102	-3,400E-15	-6,995E-16
54	0,00000	USL1	Combination		-1331,463	30,963	1,243E-13	4,016E-14
54	0,25024	USL1	Combination		-1329,639	48,440	1,237E-13	4,016E-14
54	0,50047	USL1	Combination		-1327,816	65,742	1,230E-13	4,016E-14
54	0,00000	ULS2	Combination		-1013,170	86,522	1,066E-14	-6,995E-16
54	0,25024	ULS2	Combination		-1011,346	80,915	9,973E-15	-6,995E-16
54	0,50047	ULS2	Combination		-1009,522	75,308	9,286E-15	-6,995E-16
54	0,00000	ENVELOPE_ ULS	Combination	Max	-1013,170	86,522	1,243E-13	4,016E-14
54	0,25024	ENVELOPE_ ULS	Combination	Max	-1011,346	80,915	1,237E-13	4,016E-14
54	0,50047	ENVELOPE_ ULS	Combination	Max	-1009,522	75,308	1,230E-13	4,016E-14
54	0,00000	ENVELOPE_ ULS	Combination	Min	-1331,463	30,963	1,066E-14	-6,995E-16

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
54	0,25024	ENVELOPE_ ULS	Combination	Min	-1329,639	48,440	9,973E-15	-6,995E-16
54	0,50047	ENVELOPE_ ULS	Combination	Min	-1327,816	65,742	9,286E-15	-6,995E-16
55	0,00000	USL1	Combination		-1365,903	-129,394	5,319E-14	1,545E-14
55	0,25051	USL1	Combination		-1362,953	-111,804	5,256E-14	1,545E-14
55	0,50102	USL1	Combination		-1360,002	-94,502	5,193E-14	1,545E-14
55	0,00000	ULS2	Combination		-1070,151	-30,378	-3,656E-15	-5,368E-16
55	0,25051	ULS2	Combination		-1067,200	-35,491	-4,283E-15	-5,368E-16
55	0,50102	ULS2	Combination		-1064,249	-40,603	-4,909E-15	-5,368E-16
55	0,00000	ENVELOPE_ ULS	Combination	Max	-1070,151	-30,378	5,319E-14	1,545E-14
55	0,25051	ENVELOPE_ ULS	Combination	Max	-1067,200	-35,491	5,256E-14	1,545E-14
55	0,50102	ENVELOPE_ ULS	Combination	Max	-1064,249	-40,603	5,193E-14	1,545E-14
55	0,00000	ENVELOPE_ ULS	Combination	Min	-1365,903	-129,394	-3,656E-15	-5,368E-16
55	0,25051	ENVELOPE_ ULS	Combination	Min	-1362,953	-111,804	-4,283E-15	-5,368E-16
55	0,50102	ENVELOPE_ ULS	Combination	Min	-1360,002	-94,502	-4,909E-15	-5,368E-16
56	0,00000	USL1	Combination		-1414,363	-10,922	8,241E-15	1,545E-14
56	0,25051	USL1	Combination		-1411,412	6,092	7,615E-15	1,545E-14
56	0,50102	USL1	Combination		-1408,461	22,818	6,989E-15	1,545E-14
56	0,00000	ULS2	Combination		-1132,345	66,774	8,241E-15	-5,368E-16
56	0,25051	ULS2	Combination		-1129,395	61,661	7,615E-15	-5,368E-16
56	0,50102	ULS2	Combination		-1126,444	56,549	6,989E-15	-5,368E-16
56	0,00000	ENVELOPE_ ULS	Combination	Max	-1132,345	66,774	8,241E-15	1,545E-14
56	0,25051	ENVELOPE_ ULS	Combination	Max	-1129,395	61,661	7,615E-15	1,545E-14
56	0,50102	ENVELOPE_ ULS	Combination	Max	-1126,444	56,549	6,989E-15	1,545E-14
56	0,00000	ENVELOPE_ ULS	Combination	Min	-1414,363	-10,922	8,241E-15	-5,368E-16
56	0,25051	ENVELOPE_ ULS	Combination	Min	-1411,412	6,092	7,615E-15	-5,368E-16
56	0,50102	ENVELOPE_ ULS	Combination	Min	-1408,461	22,818	6,989E-15	-5,368E-16
57	0,00000	USL1	Combination		-1454,448	-198,213	-3,889E-14	-2,168E-14
57	0,25080	USL1	Combination		-1450,495	-181,068	-3,943E-14	-2,168E-14
57	0,50160	USL1	Combination		-1446,542	-164,287	-3,997E-14	-2,168E-14
57	0,00000	ULS2	Combination		-1204,120	-86,039	-1,047E-14	-3,639E-16
57	0,25080	ULS2	Combination		-1200,167	-90,432	-1,101E-14	-3,639E-16
57	0,50160	ULS2	Combination		-1196,214	-94,825	-1,155E-14	-3,639E-16
57	0,00000	ENVELOPE_ ULS	Combination	Max	-1204,120	-86,039	-1,047E-14	-3,639E-16
57	0,25080	ENVELOPE_ ULS	Combination	Max	-1200,167	-90,432	-1,101E-14	-3,639E-16
57	0,50160	ENVELOPE_ ULS	Combination	Max	-1196,214	-94,825	-1,155E-14	-3,639E-16
57	0,00000	ENVELOPE_ ULS	Combination	Min	-1454,448	-198,213	-3,889E-14	-2,168E-14
57	0,25080	ENVELOPE_ ULS	Combination	Min	-1450,495	-181,068	-3,943E-14	-2,168E-14
57	0,50160	ENVELOPE_ ULS	Combination	Min	-1446,542	-164,287	-3,997E-14	-2,168E-14
58	0,00000	USL1	Combination		-1519,803	-90,797	-9,235E-18	-1,635E-14
58	0,25080	USL1	Combination		-1515,850	-74,379	-5,472E-16	-1,635E-14
58	0,50160	USL1	Combination		-1511,897	-58,326	-1,085E-15	-1,635E-14
58	0,00000	ULS2	Combination		-1288,137	-0,597	-9,235E-18	-3,639E-16

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
58	0,25080	ULS2	Combination		-1284,184	-4,990	-5,472E-16	-3,639E-16
58	0,50160	ULS2	Combination		-1280,231	-9,383	-1,085E-15	-3,639E-16
58	0,00000	ENVELOPE_ ULS	Combination	Max	-1288,137	-0,597	-9,235E-18	-3,639E-16
58	0,25080	ENVELOPE_ ULS	Combination	Max	-1284,184	-4,990	-5,472E-16	-3,639E-16
58	0,50160	ENVELOPE_ ULS	Combination	Max	-1280,231	-9,383	-1,085E-15	-3,639E-16
58	0,00000	ENVELOPE_ ULS	Combination	Min	-1519,803	-90,797	-9,235E-18	-1,635E-14
58	0,25080	ENVELOPE_ ULS	Combination	Min	-1515,850	-74,379	-5,472E-16	-1,635E-14
58	0,50160	ENVELOPE_ ULS	Combination	Min	-1511,897	-58,326	-1,085E-15	-1,635E-14
59	0,00000	USL1	Combination		-309,110	-12,681	-3,480E-14	1,679E-14
59	0,38282	USL1	Combination		-309,110	11,035	-3,568E-14	1,679E-14
59	0,00000	ULS2	Combination		-188,180	-46,686	-6,376E-15	8,025E-16
59	0,38282	ULS2	Combination		-188,180	-53,902	-7,260E-15	8,025E-16
59	0,00000	ENVELOPE_ ULS	Combination	Max	-188,180	-12,681	-6,376E-15	1,679E-14
59	0,38282	ENVELOPE_ ULS	Combination	Max	-188,180	11,035	-7,260E-15	1,679E-14
59	0,00000	ENVELOPE_ ULS	Combination	Min	-309,110	-46,686	-3,480E-14	8,025E-16
59	0,38282	ENVELOPE_ ULS	Combination	Min	-309,110	-53,902	-3,568E-14	8,025E-16
60	0,00000	USL1	Combination		-314,410	118,879	9,402E-15	1,679E-14
60	0,38282	USL1	Combination		-314,410	142,595	8,519E-15	1,679E-14
60	0,00000	ULS2	Combination		-193,480	82,157	9,402E-15	8,025E-16
60	0,38282	ULS2	Combination		-193,480	74,941	8,519E-15	8,025E-16
60	0,00000	ENVELOPE_ ULS	Combination	Max	-193,480	118,879	9,402E-15	1,679E-14
60	0,38282	ENVELOPE_ ULS	Combination	Max	-193,480	142,595	8,519E-15	1,679E-14
60	0,00000	ENVELOPE_ ULS	Combination	Min	-314,410	82,157	9,402E-15	8,025E-16
60	0,38282	ENVELOPE_ ULS	Combination	Min	-314,410	74,941	8,519E-15	8,025E-16
61	0,00000	USL1	Combination		-319,710	252,705	5,389E-14	1,679E-14
61	0,38282	USL1	Combination		-319,710	276,420	5,301E-14	1,679E-14
61	0,00000	ULS2	Combination		-198,780	213,381	2,547E-14	8,025E-16
61	0,38282	ULS2	Combination		-198,780	206,164	2,459E-14	8,025E-16
61	0,00000	ENVELOPE_ ULS	Combination	Max	-198,780	252,705	5,389E-14	1,679E-14
61	0,38282	ENVELOPE_ ULS	Combination	Max	-198,780	276,420	5,301E-14	1,679E-14
61	0,00000	ENVELOPE_ ULS	Combination	Min	-319,710	213,381	2,547E-14	8,025E-16
61	0,38282	ENVELOPE_ ULS	Combination	Min	-319,710	206,164	2,459E-14	8,025E-16
62	0,00000	USL1	Combination		-325,010	388,883	7,027E-14	2,034E-14
62	0,38282	USL1	Combination		-325,010	412,598	6,938E-14	2,034E-14
62	0,00000	ULS2	Combination		-204,080	347,059	4,184E-14	8,025E-16
62	0,38282	ULS2	Combination		-204,080	339,842	4,096E-14	8,025E-16
62	0,00000	ENVELOPE_ ULS	Combination	Max	-204,080	388,883	7,027E-14	2,034E-14
62	0,38282	ENVELOPE_ ULS	Combination	Max	-204,080	412,598	6,938E-14	2,034E-14
62	0,00000	ENVELOPE_ ULS	Combination	Min	-325,010	347,059	4,184E-14	8,025E-16
62	0,38282	ENVELOPE_ ULS	Combination	Min	-325,010	339,842	4,096E-14	8,025E-16
63	0,00000	USL1	Combination		-1122,274	-162,084	6,384E-17	-1,732E-13

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
63	0,23812	USL1	Combination		-1131,251	-136,050	6,384E-17	-1,732E-13
63	0,47625	USL1	Combination		-1140,229	-108,997	6,384E-17	-1,732E-13
63	0,00000	ULS2	Combination		-1022,088	-83,501	6,384E-17	-9,093E-16
63	0,23812	ULS2	Combination		-1031,065	-66,815	6,384E-17	-9,093E-16
63	0,47625	ULS2	Combination		-1040,043	-49,618	6,384E-17	-9,093E-16
63	0,00000	ENVELOPE_ ULS	Combination	Max	-1022,088	-83,501	6,384E-17	-9,093E-16
63	0,23812	ENVELOPE_ ULS	Combination	Max	-1031,065	-66,815	6,384E-17	-9,093E-16
63	0,47625	ENVELOPE_ ULS	Combination	Max	-1040,043	-49,618	6,384E-17	-9,093E-16
63	0,00000	ENVELOPE_ ULS	Combination	Min	-1122,274	-162,084	6,384E-17	-1,732E-13
63	0,23812	ENVELOPE_ ULS	Combination	Min	-1131,251	-136,050	6,384E-17	-1,732E-13
63	0,47625	ENVELOPE_ ULS	Combination	Min	-1140,229	-108,997	6,384E-17	-1,732E-13
64	0,00000	USL1	Combination		-1140,229	-103,697	-1,705E-13	-1,732E-13
64	0,23812	USL1	Combination		-1149,206	-75,626	-1,705E-13	-1,732E-13
64	0,47625	USL1	Combination		-1158,184	-46,537	-1,705E-13	-1,732E-13
64	0,00000	ULS2	Combination		-1040,043	-44,318	6,384E-17	-9,093E-16
64	0,23812	ULS2	Combination		-1049,020	-26,608	6,384E-17	-9,093E-16
64	0,47625	ULS2	Combination		-1057,998	-8,387	6,384E-17	-9,093E-16
64	0,00000	ENVELOPE_ ULS	Combination	Max	-1040,043	-44,318	6,384E-17	-9,093E-16
64	0,23812	ENVELOPE_ ULS	Combination	Max	-1049,020	-26,608	6,384E-17	-9,093E-16
64	0,47625	ENVELOPE_ ULS	Combination	Max	-1057,998	-8,387	6,384E-17	-9,093E-16
64	0,00000	ENVELOPE_ ULS	Combination	Min	-1140,229	-103,697	-1,705E-13	-1,732E-13
64	0,23812	ENVELOPE_ ULS	Combination	Min	-1149,206	-75,626	-1,705E-13	-1,732E-13
64	0,47625	ENVELOPE_ ULS	Combination	Min	-1158,184	-46,537	-1,705E-13	-1,732E-13
65	0,00000	USL1	Combination		-1158,184	-41,237	-1,705E-13	-1,714E-13
65	0,23812	USL1	Combination		-1167,161	-11,130	-1,705E-13	-1,714E-13
65	0,47625	USL1	Combination		-1176,139	19,994	-1,705E-13	-1,714E-13
65	0,00000	ULS2	Combination		-1057,998	-3,087	6,384E-17	-9,093E-16
65	0,23812	ULS2	Combination		-1066,975	15,647	6,384E-17	-9,093E-16
65	0,47625	ULS2	Combination		-1075,953	34,892	6,384E-17	-9,093E-16
65	0,00000	ENVELOPE_ ULS	Combination	Max	-1057,998	-3,087	6,384E-17	-9,093E-16
65	0,23812	ENVELOPE_ ULS	Combination	Max	-1066,975	15,647	6,384E-17	-9,093E-16
65	0,47625	ENVELOPE_ ULS	Combination	Max	-1075,953	34,892	6,384E-17	-9,093E-16
65	0,00000	ENVELOPE_ ULS	Combination	Min	-1158,184	-41,237	-1,705E-13	-1,714E-13
65	0,23812	ENVELOPE_ ULS	Combination	Min	-1167,161	-11,130	-1,705E-13	-1,714E-13
65	0,47625	ENVELOPE_ ULS	Combination	Min	-1176,139	19,994	-1,705E-13	-1,714E-13
66	0,00000	USL1	Combination		-1176,139	25,294	-1,136E-13	-1,679E-13
66	0,23812	USL1	Combination		-1185,116	57,437	-1,136E-13	-1,679E-13
66	0,47625	USL1	Combination		-1194,094	90,598	-1,136E-13	-1,679E-13
66	0,00000	ULS2	Combination		-1075,953	40,192	6,384E-17	-9,093E-16
66	0,23812	ULS2	Combination		-1084,930	59,949	6,384E-17	-9,093E-16
66	0,47625	ULS2	Combination		-1093,908	80,219	6,384E-17	-9,093E-16
66	0,00000	ENVELOPE_ ULS	Combination	Max	-1075,953	40,192	6,384E-17	-9,093E-16

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
66	0,23812	ENVELOPE_ ULS	Combination	Max	-1084,930	59,949	6,384E-17	-9,093E-16
66	0,47625	ENVELOPE_ ULS	Combination	Max	-1093,908	90,598	6,384E-17	-9,093E-16
66	0,00000	ENVELOPE_ ULS	Combination	Min	-1176,139	25,294	-1,136E-13	-1,679E-13
66	0,23812	ENVELOPE_ ULS	Combination	Min	-1185,116	57,437	-1,136E-13	-1,679E-13
66	0,47625	ENVELOPE_ ULS	Combination	Min	-1194,094	80,219	-1,136E-13	-1,679E-13
67	0,00000	USL1	Combination		-1194,094	95,898	-1,136E-13	-1,643E-13
67	0,23812	USL1	Combination		-1203,071	130,076	-1,136E-13	-1,643E-13
67	0,47625	USL1	Combination		-1212,049	165,273	-1,136E-13	-1,643E-13
67	0,00000	ULS2	Combination		-1093,908	85,519	6,384E-17	-9,093E-16
67	0,23812	ULS2	Combination		-1102,885	106,297	6,384E-17	-9,093E-16
67	0,47625	ULS2	Combination		-1111,863	127,581	6,384E-17	-9,093E-16
67	0,00000	ENVELOPE_ ULS	Combination	Max	-1093,908	95,898	6,384E-17	-9,093E-16
67	0,23812	ENVELOPE_ ULS	Combination	Max	-1102,885	130,076	6,384E-17	-9,093E-16
67	0,47625	ENVELOPE_ ULS	Combination	Max	-1111,863	165,273	6,384E-17	-9,093E-16
67	0,00000	ENVELOPE_ ULS	Combination	Min	-1194,094	85,519	-1,136E-13	-1,643E-13
67	0,23812	ENVELOPE_ ULS	Combination	Min	-1203,071	106,297	-1,136E-13	-1,643E-13
67	0,47625	ENVELOPE_ ULS	Combination	Min	-1212,049	127,581	-1,136E-13	-1,643E-13
68	0,00000	USL1	Combination		-1212,049	170,573	-1,136E-13	-1,608E-13
68	0,23812	USL1	Combination		-1221,026	206,787	-1,136E-13	-1,608E-13
68	0,47625	USL1	Combination		-1230,004	244,020	-1,136E-13	-1,608E-13
68	0,00000	ULS2	Combination		-1111,863	132,881	6,384E-17	-9,093E-16
68	0,23812	ULS2	Combination		-1120,840	154,671	6,384E-17	-9,093E-16
68	0,47625	ULS2	Combination		-1129,817	176,968	6,384E-17	-9,093E-16
68	0,00000	ENVELOPE_ ULS	Combination	Max	-1111,863	170,573	6,384E-17	-9,093E-16
68	0,23812	ENVELOPE_ ULS	Combination	Max	-1120,840	206,787	6,384E-17	-9,093E-16
68	0,47625	ENVELOPE_ ULS	Combination	Max	-1129,817	244,020	6,384E-17	-9,093E-16
68	0,00000	ENVELOPE_ ULS	Combination	Min	-1212,049	132,881	-1,136E-13	-1,608E-13
68	0,23812	ENVELOPE_ ULS	Combination	Min	-1221,026	154,671	-1,136E-13	-1,608E-13
68	0,47625	ENVELOPE_ ULS	Combination	Min	-1230,004	176,968	-1,136E-13	-1,608E-13
69	0,00000	USL1	Combination		-213,028	-319,418	-1,706E-14	-4,583E-14
69	0,23812	USL1	Combination		-217,516	-277,095	-1,706E-14	-4,583E-14
69	0,47625	USL1	Combination		-222,005	-233,755	-1,706E-14	-4,583E-14
69	0,00000	ULS2	Combination		-169,956	-365,344	-2,848E-15	6,125E-15
69	0,23812	ULS2	Combination		-174,445	-340,491	-2,848E-15	6,125E-15
69	0,47625	ULS2	Combination		-178,934	-315,126	-2,848E-15	6,125E-15
69	0,00000	ENVELOPE_ ULS	Combination	Max	-169,956	-319,418	-2,848E-15	6,125E-15
69	0,23812	ENVELOPE_ ULS	Combination	Max	-174,445	-277,095	-2,848E-15	6,125E-15
69	0,47625	ENVELOPE_ ULS	Combination	Max	-178,934	-233,755	-2,848E-15	6,125E-15
69	0,00000	ENVELOPE_ ULS	Combination	Min	-213,028	-365,344	-1,706E-14	-4,583E-14
69	0,23812	ENVELOPE_ ULS	Combination	Min	-217,516	-340,491	-1,706E-14	-4,583E-14

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
69	0,47625	ENVELOPE_ ULS	Combination	Min	-222,005	-315,126	-1,706E-14	-4,583E-14
70	0,00000	USL1	Combination		-222,005	-228,455	-1,706E-14	-4,361E-14
70	0,23812	USL1	Combination		-226,494	-184,097	-1,706E-14	-4,361E-14
70	0,47625	USL1	Combination		-230,983	-138,720	-1,706E-14	-4,361E-14
70	0,00000	ULS2	Combination		-178,934	-309,826	-2,848E-15	6,125E-15
70	0,23812	ULS2	Combination		-183,423	-283,949	-2,848E-15	6,125E-15
70	0,47625	ULS2	Combination		-187,911	-257,560	-2,848E-15	6,125E-15
70	0,00000	ENVELOPE_ ULS	Combination	Max	-178,934	-228,455	-2,848E-15	6,125E-15
70	0,23812	ENVELOPE_ ULS	Combination	Max	-183,423	-184,097	-2,848E-15	6,125E-15
70	0,47625	ENVELOPE_ ULS	Combination	Max	-187,911	-138,720	-2,848E-15	6,125E-15
70	0,00000	ENVELOPE_ ULS	Combination	Min	-222,005	-309,826	-1,706E-14	-4,361E-14
70	0,23812	ENVELOPE_ ULS	Combination	Min	-226,494	-283,949	-1,706E-14	-4,361E-14
70	0,47625	ENVELOPE_ ULS	Combination	Min	-230,983	-257,560	-1,706E-14	-4,361E-14
71	0,00000	USL1	Combination		-527,436	-199,288	-3,881E-14	-4,809E-15
71	0,23812	USL1	Combination		-522,948	-178,321	-3,857E-14	-4,809E-15
71	0,47625	USL1	Combination		-518,459	-157,859	-3,833E-14	-4,809E-15
71	0,00000	ULS2	Combination		-483,216	-79,471	-1,039E-14	1,852E-15
71	0,23812	ULS2	Combination		-478,727	-77,491	-1,015E-14	1,852E-15
71	0,47625	ULS2	Combination		-474,238	-75,511	-9,906E-15	1,852E-15
71	0,00000	ENVELOPE_ ULS	Combination	Max	-483,216	-79,471	-1,039E-14	1,852E-15
71	0,23812	ENVELOPE_ ULS	Combination	Max	-478,727	-77,491	-1,015E-14	1,852E-15
71	0,47625	ENVELOPE_ ULS	Combination	Max	-474,238	-75,511	-9,906E-15	1,852E-15
71	0,00000	ENVELOPE_ ULS	Combination	Min	-527,436	-199,288	-3,881E-14	-4,809E-15
71	0,23812	ENVELOPE_ ULS	Combination	Min	-522,948	-178,321	-3,857E-14	-4,809E-15
71	0,47625	ENVELOPE_ ULS	Combination	Min	-518,459	-157,859	-3,833E-14	-4,809E-15
72	0,00000	USL1	Combination		-518,459	-24,362	6,373E-15	-7,030E-15
72	0,23812	USL1	Combination		-513,970	-4,406	6,616E-15	-7,030E-15
72	0,47625	USL1	Combination		-509,481	15,043	6,858E-15	-7,030E-15
72	0,00000	ULS2	Combination		-474,238	57,423	6,373E-15	1,852E-15
72	0,23812	ULS2	Combination		-469,749	59,403	6,616E-15	1,852E-15
72	0,47625	ULS2	Combination		-465,261	61,383	6,858E-15	1,852E-15
72	0,00000	ENVELOPE_ ULS	Combination	Max	-474,238	57,423	6,373E-15	1,852E-15
72	0,23812	ENVELOPE_ ULS	Combination	Max	-469,749	59,403	6,616E-15	1,852E-15
72	0,47625	ENVELOPE_ ULS	Combination	Max	-465,261	61,383	6,858E-15	1,852E-15
72	0,00000	ENVELOPE_ ULS	Combination	Min	-518,459	-24,362	6,373E-15	-7,030E-15
72	0,23812	ENVELOPE_ ULS	Combination	Min	-513,970	-4,406	6,616E-15	-7,030E-15
72	0,47625	ENVELOPE_ ULS	Combination	Min	-509,481	15,043	6,858E-15	-7,030E-15
73	0,00000	USL1	Combination		-1529,414	-325,569	-6,015E-14	-2,994E-14
73	0,23812	USL1	Combination		-1520,436	-308,653	-5,991E-14	-2,994E-14
73	0,47625	USL1	Combination		-1511,459	-292,248	-5,967E-14	-2,994E-14
73	0,00000	ULS2	Combination		-1428,692	-259,635	-3,173E-14	2,585E-16
73	0,23812	ULS2	Combination		-1419,714	-257,655	-3,149E-14	2,585E-16
73	0,47625	ULS2	Combination		-1410,737	-255,674	-3,125E-14	2,585E-16

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
73	0,00000	ENVELOPE_	Combination	Max	-1428,692	-259,635	-3,173E-14	2,585E-16
		ULS						
73	0,23812	ENVELOPE_	Combination	Max	-1419,714	-257,655	-3,149E-14	2,585E-16
		ULS						
73	0,47625	ENVELOPE_	Combination	Max	-1410,737	-255,674	-3,125E-14	2,585E-16
		ULS						
73	0,00000	ENVELOPE_	Combination	Min	-1529,414	-325,569	-6,015E-14	-2,994E-14
		ULS						
73	0,23812	ENVELOPE_	Combination	Min	-1520,436	-308,653	-5,991E-14	-2,994E-14
		ULS						
73	0,47625	ENVELOPE_	Combination	Min	-1511,459	-292,248	-5,967E-14	-2,994E-14
		ULS						
74	0,00000	USL1	Combination		-1511,459	-129,487	-6,810E-14	-2,994E-14
74	0,23812	USL1	Combination		-1502,481	-113,594	-6,786E-14	-2,994E-14
74	0,47625	USL1	Combination		-1493,504	-98,213	-6,762E-14	-2,994E-14
74	0,00000	ULS2	Combination		-1410,737	-92,471	-1,126E-14	2,585E-16
74	0,23812	ULS2	Combination		-1401,759	-90,490	-1,102E-14	2,585E-16
74	0,47625	ULS2	Combination		-1392,782	-88,510	-1,078E-14	2,585E-16
74	0,00000	ENVELOPE_	Combination	Max	-1410,737	-92,471	-1,126E-14	2,585E-16
		ULS						
74	0,23812	ENVELOPE_	Combination	Max	-1401,759	-90,490	-1,102E-14	2,585E-16
		ULS						
74	0,47625	ENVELOPE_	Combination	Max	-1392,782	-88,510	-1,078E-14	2,585E-16
		ULS						
74	0,00000	ENVELOPE_	Combination	Min	-1511,459	-129,487	-6,810E-14	-2,994E-14
		ULS						
74	0,23812	ENVELOPE_	Combination	Min	-1502,481	-113,594	-6,786E-14	-2,994E-14
		ULS						
74	0,47625	ENVELOPE_	Combination	Min	-1493,504	-98,213	-6,762E-14	-2,994E-14
		ULS						
75	0,00000	USL1	Combination		-1493,504	71,638	-3,255E-14	-2,816E-14
75	0,23812	USL1	Combination		-1484,526	86,509	-3,231E-14	-2,816E-14
75	0,47625	USL1	Combination		-1475,549	100,875	-3,206E-14	-2,816E-14
75	0,00000	ULS2	Combination		-1392,782	81,809	1,008E-14	2,585E-16
75	0,23812	ULS2	Combination		-1383,804	83,790	1,033E-14	2,585E-16
75	0,47625	ULS2	Combination		-1374,827	85,770	1,057E-14	2,585E-16
75	0,00000	ENVELOPE_	Combination	Max	-1392,782	81,809	1,008E-14	2,585E-16
		ULS						
75	0,23812	ENVELOPE_	Combination	Max	-1383,804	86,509	1,033E-14	2,585E-16
		ULS						
75	0,47625	ENVELOPE_	Combination	Max	-1374,827	100,875	1,057E-14	2,585E-16
		ULS						
75	0,00000	ENVELOPE_	Combination	Min	-1493,504	71,638	-3,255E-14	-2,816E-14
		ULS						
75	0,23812	ENVELOPE_	Combination	Min	-1484,526	83,790	-3,231E-14	-2,816E-14
		ULS						
75	0,47625	ENVELOPE_	Combination	Min	-1475,549	85,770	-3,206E-14	-2,816E-14
		ULS						
76	0,00000	USL1	Combination		-1475,549	277,920	1,809E-14	-2,994E-14
76	0,23812	USL1	Combination		-1466,571	291,780	1,833E-14	-2,994E-14
76	0,47625	USL1	Combination		-1457,594	305,133	1,857E-14	-2,994E-14
76	0,00000	ULS2	Combination		-1374,827	263,230	3,230E-14	2,585E-16
76	0,23812	ULS2	Combination		-1365,849	265,210	3,254E-14	2,585E-16
76	0,47625	ULS2	Combination		-1356,872	267,190	3,279E-14	2,585E-16
76	0,00000	ENVELOPE_	Combination	Max	-1374,827	277,920	3,230E-14	2,585E-16
		ULS						
76	0,23812	ENVELOPE_	Combination	Max	-1365,849	291,780	3,254E-14	2,585E-16
		ULS						
76	0,47625	ENVELOPE_	Combination	Max	-1356,872	305,133	3,279E-14	2,585E-16
		ULS						
76	0,00000	ENVELOPE_	Combination	Min	-1475,549	263,230	1,809E-14	-2,994E-14
		ULS						

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
76	0,23812	ENVELOPE_ ULS	Combination	Min	-1466,571	265,210	1,833E-14	-2,994E-14
76	0,47625	ENVELOPE_ ULS	Combination	Min	-1457,594	267,190	1,857E-14	-2,994E-14
77	0,00000	USL1	Combination		-1457,594	489,465	4,474E-14	-2,994E-14
77	0,23812	USL1	Combination		-1448,616	502,312	4,498E-14	-2,994E-14
77	0,47625	USL1	Combination		-1439,639	514,654	4,522E-14	-2,994E-14
77	0,00000	ULS2	Combination		-1356,872	451,804	5,539E-14	2,585E-16
77	0,23812	ULS2	Combination		-1347,894	453,784	5,564E-14	2,585E-16
77	0,47625	ULS2	Combination		-1338,917	455,764	5,588E-14	2,585E-16
77	0,00000	ENVELOPE_ ULS	Combination	Max	-1356,872	489,465	5,539E-14	2,585E-16
77	0,23812	ENVELOPE_ ULS	Combination	Max	-1347,894	502,312	5,564E-14	2,585E-16
77	0,47625	ENVELOPE_ ULS	Combination	Max	-1338,917	514,654	5,588E-14	2,585E-16
77	0,00000	ENVELOPE_ ULS	Combination	Min	-1457,594	451,804	4,474E-14	-2,994E-14
77	0,23812	ENVELOPE_ ULS	Combination	Min	-1448,616	453,784	4,498E-14	-2,994E-14
77	0,47625	ENVELOPE_ ULS	Combination	Min	-1439,639	455,764	4,522E-14	-2,994E-14
78	0,00000	USL1	Combination		-1439,639	706,317	7,225E-14	-2,816E-14
78	0,23812	USL1	Combination		-1430,661	718,152	7,250E-14	-2,816E-14
78	0,47625	USL1	Combination		-1421,684	729,482	7,274E-14	-2,816E-14
78	0,00000	ULS2	Combination		-1338,917	647,504	7,936E-14	2,585E-16
78	0,23812	ULS2	Combination		-1329,939	649,484	7,960E-14	2,585E-16
78	0,47625	ULS2	Combination		-1320,962	651,464	7,985E-14	2,585E-16
78	0,00000	ENVELOPE_ ULS	Combination	Max	-1338,917	706,317	7,936E-14	2,585E-16
78	0,23812	ENVELOPE_ ULS	Combination	Max	-1329,939	718,152	7,960E-14	2,585E-16
78	0,47625	ENVELOPE_ ULS	Combination	Max	-1320,962	729,482	7,985E-14	2,585E-16
78	0,00000	ENVELOPE_ ULS	Combination	Min	-1439,639	647,504	7,225E-14	-2,816E-14
78	0,23812	ENVELOPE_ ULS	Combination	Min	-1430,661	649,484	7,250E-14	-2,816E-14
78	0,47625	ENVELOPE_ ULS	Combination	Min	-1421,684	651,464	7,274E-14	-2,816E-14

Table: Element Forces - Frames, Part 2 of 2

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
1	0,00000	USL1		5,971E-14	-826,0849	1-1	0,00000
1	0,23812	USL1		8,000E-14	-889,9878	1-1	0,23812
1	0,47625	USL1		1,003E-13	-963,1201	1-1	0,47625
1	0,00000	ULS2		-6,885E-16	-986,5939	1-1	0,00000
1	0,23812	ULS2		-7,037E-16	-1032,7011	1-1	0,23812
1	0,47625	ULS2		-7,189E-16	-1084,2997	1-1	0,47625
1	0,00000	ENVELOPE_ ULS	Max	5,971E-14	-826,0849	1-1	0,00000
1	0,23812	ENVELOPE_ ULS	Max	8,000E-14	-889,9878	1-1	0,23812
1	0,47625	ENVELOPE_ ULS	Max	1,003E-13	-963,1201	1-1	0,47625
1	0,00000	ENVELOPE_ ULS	Min	-6,885E-16	-986,5939	1-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
1	0,23812	ENVELOPE_ ULS	Min	-7,037E-16	-1032,7011	1-1	0,23812
1	0,47625	ENVELOPE_ ULS	Min	-7,189E-16	-1084,2997	1-1	0,47625
2	0,00000	USL1		2,149E-14	-708,3639	2-1	0,00000
2	0,57862	USL1		2,557E-14	-529,7444	2-1	0,57862
2	1,15723	USL1		2,964E-14	-415,0689	2-1	1,15723
2	0,00000	ULS2		1,751E-16	-833,1104	2-1	0,00000
2	0,57862	ULS2		1,381E-16	-657,5077	2-1	0,57862
2	1,15723	ULS2		1,012E-16	-534,2649	2-1	1,15723
2	0,00000	ENVELOPE_ ULS	Max	2,149E-14	-708,3639	2-1	0,00000
2	0,57862	ENVELOPE_ ULS	Max	2,557E-14	-529,7444	2-1	0,57862
2	1,15723	ENVELOPE_ ULS	Max	2,964E-14	-415,0689	2-1	1,15723
2	0,00000	ENVELOPE_ ULS	Min	1,751E-16	-833,1104	2-1	0,00000
2	0,57862	ENVELOPE_ ULS	Min	1,381E-16	-657,5077	2-1	0,57862
2	1,15723	ENVELOPE_ ULS	Min	1,012E-16	-534,2649	2-1	1,15723
3	0,00000	USL1		3,563E-14	-415,0689	3-1	0,00000
3	0,51232	USL1		3,560E-14	-353,8671	3-1	0,51232
3	1,02464	USL1		3,556E-14	-336,9657	3-1	1,02464
3	0,00000	ULS2		1,012E-16	-534,2649	3-1	0,00000
3	0,51232	ULS2		6,850E-17	-456,7788	3-1	0,51232
3	1,02464	ULS2		3,579E-17	-416,3093	3-1	1,02464
3	0,00000	ENVELOPE_ ULS	Max	3,563E-14	-415,0689	3-1	0,00000
3	0,51232	ENVELOPE_ ULS	Max	3,560E-14	-353,8671	3-1	0,51232
3	1,02464	ENVELOPE_ ULS	Max	3,556E-14	-336,9657	3-1	1,02464
3	0,00000	ENVELOPE_ ULS	Min	1,012E-16	-534,2649	3-1	0,00000
3	0,51232	ENVELOPE_ ULS	Min	6,850E-17	-456,7788	3-1	0,51232
3	1,02464	ENVELOPE_ ULS	Min	3,579E-17	-416,3093	3-1	1,02464
4	0,00000	USL1		2,843E-14	-336,9657	4-1	0,00000
4	0,49473	USL1		4,246E-14	-319,7282	4-1	0,49473
4	0,98945	USL1		5,649E-14	-338,4915	4-1	0,98945
4	0,00000	ULS2		1,019E-17	-416,3093	4-1	0,00000
4	0,49473	ULS2		-2,139E-17	-373,1819	4-1	0,49473
4	0,98945	ULS2		-5,297E-17	-360,7809	4-1	0,98945
4	0,00000	ENVELOPE_ ULS	Max	2,843E-14	-336,9657	4-1	0,00000
4	0,49473	ENVELOPE_ ULS	Max	4,246E-14	-319,7282	4-1	0,49473
4	0,98945	ENVELOPE_ ULS	Max	5,649E-14	-338,4915	4-1	0,98945
4	0,00000	ENVELOPE_ ULS	Min	1,019E-17	-416,3093	4-1	0,00000
4	0,49473	ENVELOPE_ ULS	Min	-2,139E-17	-373,1819	4-1	0,49473
4	0,98945	ENVELOPE_ ULS	Min	-5,297E-17	-360,7809	4-1	0,98945
5	0,00000	USL1		4,958E-14	-338,4915	5-1	0,00000
5	0,49402	USL1		4,955E-14	-266,4493	5-1	0,49402
5	0,98804	USL1		4,952E-14	-227,7572	5-1	0,98804
5	0,00000	ULS2		-1,591E-16	-360,7809	5-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
5	0,49402	ULS2		-1,907E-16	-266,3116	5-1	0,49402
5	0,98804	ULS2		-2,222E-16	-201,2143	5-1	0,98804
5	0,00000	ENVELOPE_ ULS	Max	4,958E-14	-338,4915	5-1	0,00000
5	0,49402	ENVELOPE_ ULS	Max	4,955E-14	-266,3116	5-1	0,49402
5	0,98804	ENVELOPE_ ULS	Max	4,952E-14	-201,2143	5-1	0,98804
5	0,00000	ENVELOPE_ ULS	Min	-1,591E-16	-360,7809	5-1	0,00000
5	0,49402	ENVELOPE_ ULS	Min	-1,907E-16	-266,4493	5-1	0,49402
5	0,98804	ENVELOPE_ ULS	Min	-2,222E-16	-227,7572	5-1	0,98804
6	0,00000	USL1		4,231E-14	-227,7572	6-1	0,00000
6	0,49382	USL1		5,631E-14	-102,7956	6-1	0,49382
6	0,98763	USL1		7,031E-14	-8,7516	6-1	0,98763
6	0,00000	ULS2		-3,261E-16	-201,2143	6-1	0,00000
6	0,49382	ULS2		-3,576E-16	-61,4555	6-1	0,49382
6	0,98763	ULS2		-3,891E-16	50,4461	6-1	0,98763
6	0,00000	ENVELOPE_ ULS	Max	4,231E-14	-201,2143	6-1	0,00000
6	0,49382	ENVELOPE_ ULS	Max	5,631E-14	-61,4555	6-1	0,49382
6	0,98763	ENVELOPE_ ULS	Max	7,031E-14	50,4461	6-1	0,98763
6	0,00000	ENVELOPE_ ULS	Min	-3,261E-16	-227,7572	6-1	0,00000
6	0,49382	ENVELOPE_ ULS	Min	-3,576E-16	-102,7956	6-1	0,49382
6	0,98763	ENVELOPE_ ULS	Min	-3,891E-16	-8,7516	6-1	0,98763
7	0,00000	USL1		9,189E-14	-8,7516	7-1	0,00000
7	0,52308	USL1		1,067E-13	67,9420	7-1	0,52308
7	1,04617	USL1		1,216E-13	112,7948	7-1	1,04617
7	0,00000	ULS2		-4,795E-16	50,4461	7-1	0,00000
7	0,52308	ULS2		-5,129E-16	131,8491	7-1	0,52308
7	1,04617	ULS2		-5,463E-16	184,2980	7-1	1,04617
7	0,00000	ENVELOPE_ ULS	Max	9,189E-14	50,4461	7-1	0,00000
7	0,52308	ENVELOPE_ ULS	Max	1,067E-13	131,8491	7-1	0,52308
7	1,04617	ENVELOPE_ ULS	Max	1,216E-13	184,2980	7-1	1,04617
7	0,00000	ENVELOPE_ ULS	Min	-4,795E-16	-8,7516	7-1	0,00000
7	0,52308	ENVELOPE_ ULS	Min	-5,129E-16	67,9420	7-1	0,52308
7	1,04617	ENVELOPE_ ULS	Min	-5,463E-16	112,7948	7-1	1,04617
8	0,00000	USL1		9,886E-14	112,7948	8-1	0,00000
8	0,54165	USL1		9,113E-14	224,4589	8-1	0,54165
8	1,08329	USL1		8,340E-14	300,8766	8-1	1,08329
8	0,00000	ULS2		-6,151E-16	184,2980	8-1	0,00000
8	0,54165	ULS2		-6,497E-16	287,8107	8-1	0,54165
8	1,08329	ULS2		-6,843E-16	359,1722	8-1	1,08329
8	0,00000	ENVELOPE_ ULS	Max	9,886E-14	184,2980	8-1	0,00000
8	0,54165	ENVELOPE_ ULS	Max	9,113E-14	287,8107	8-1	0,54165
8	1,08329	ENVELOPE_ ULS	Max	8,340E-14	359,1722	8-1	1,08329

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
8	0,00000	ENVELOPE_ ULS	Min	-6,151E-16	112,7948	8-1	0,00000
8	0,54165	ENVELOPE_ ULS	Min	-6,497E-16	224,4589	8-1	0,54165
8	1,08329	ENVELOPE_ ULS	Min	-6,843E-16	300,8766	8-1	1,08329
9	0,00000	USL1		7,034E-14	300,8766	9-1	0,00000
9	0,49252	USL1		6,330E-14	302,4642	9-1	0,49252
9	0,98504	USL1		5,627E-14	270,5632	9-1	0,98504
9	0,00000	ULS2		-7,192E-16	359,1722	9-1	0,00000
9	0,49252	ULS2		-7,507E-16	342,5716	9-1	0,49252
9	0,98504	ULS2		-7,821E-16	295,5269	9-1	0,98504
9	0,00000	ENVELOPE_ ULS	Max	7,034E-14	359,1722	9-1	0,00000
9	0,49252	ENVELOPE_ ULS	Max	6,330E-14	342,5716	9-1	0,49252
9	0,98504	ENVELOPE_ ULS	Max	5,627E-14	295,5269	9-1	0,98504
9	0,00000	ENVELOPE_ ULS	Min	-7,192E-16	300,8766	9-1	0,00000
9	0,49252	ENVELOPE_ ULS	Min	-7,507E-16	302,4642	9-1	0,49252
9	0,98504	ENVELOPE_ ULS	Min	-7,821E-16	270,5632	9-1	0,98504
10	0,00000	USL1		5,606E-14	270,5632	10-1	0,00000
10	0,49197	USL1		2,807E-14	266,1675	10-1	0,49197
10	0,98394	USL1		6,867E-17	223,9433	10-1	0,98394
10	0,00000	ULS2		-7,817E-16	295,5269	10-1	0,00000
10	0,49197	ULS2		-8,131E-16	264,5239	10-1	0,49197
10	0,98394	ULS2		-8,445E-16	199,6376	10-1	0,98394
10	0,00000	ENVELOPE_ ULS	Max	5,606E-14	295,5269	10-1	0,00000
10	0,49197	ENVELOPE_ ULS	Max	2,807E-14	266,1675	10-1	0,49197
10	0,98394	ENVELOPE_ ULS	Max	6,867E-17	223,9433	10-1	0,98394
10	0,00000	ENVELOPE_ ULS	Min	-7,817E-16	270,5632	10-1	0,00000
10	0,49197	ENVELOPE_ ULS	Min	-8,131E-16	264,5239	10-1	0,49197
10	0,98394	ENVELOPE_ ULS	Min	-8,445E-16	199,6376	10-1	0,98394
11	0,00000	USL1		-8,118E-16	223,9433	11-1	0,00000
11	0,49208	USL1		-2,881E-14	199,2471	11-1	0,49208
11	0,98416	USL1		-5,682E-14	131,8376	11-1	0,98416
11	0,00000	ULS2		-8,118E-16	199,6376	11-1	0,00000
11	0,49208	ULS2		-8,432E-16	143,8228	11-1	0,49208
11	0,98416	ULS2		-8,746E-16	50,5129	11-1	0,98416
11	0,00000	ENVELOPE_ ULS	Max	-8,118E-16	223,9433	11-1	0,00000
11	0,49208	ENVELOPE_ ULS	Max	-8,432E-16	199,2471	11-1	0,49208
11	0,98416	ENVELOPE_ ULS	Max	-8,746E-16	131,8376	11-1	0,98416
11	0,00000	ENVELOPE_ ULS	Min	-8,118E-16	199,6376	11-1	0,00000
11	0,49208	ENVELOPE_ ULS	Min	-2,881E-14	143,8228	11-1	0,49208
11	0,98416	ENVELOPE_ ULS	Min	-5,682E-14	50,5129	11-1	0,98416
12	0,00000	USL1		-8,613E-14	131,8376	12-1	0,00000
12	0,50938	USL1		-1,296E-13	20,0325	12-1	0,50938
12	1,01876	USL1		-1,731E-13	-144,7729	12-1	1,01876

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
12	0,00000	ULS2		-8,631E-16	50,5129	12-1	0,00000
12	0,50938	ULS2		-8,956E-16	-84,6474	12-1	0,50938
12	1,01876	ULS2		-9,281E-16	-265,6077	12-1	1,01876
12	0,00000	ENVELOPE_ ULS	Max	-8,631E-16	131,8376	12-1	0,00000
12	0,50938	ENVELOPE_ ULS	Max	-8,956E-16	20,0325	12-1	0,50938
12	1,01876	ENVELOPE_ ULS	Max	-9,281E-16	-144,7729	12-1	1,01876
12	0,00000	ENVELOPE_ ULS	Min	-8,613E-14	50,5129	12-1	0,00000
12	0,50938	ENVELOPE_ ULS	Min	-1,296E-13	-84,6474	12-1	0,50938
12	1,01876	ENVELOPE_ ULS	Min	-1,731E-13	-265,6077	12-1	1,01876
13	0,00000	USL1		-1,715E-13	-144,7729	13-1	0,00000
13	0,56894	USL1		-2,523E-13	-406,9120	13-1	0,56894
13	1,13787	USL1		-3,332E-13	-743,9265	13-1	1,13787
13	0,00000	ULS2		-9,281E-16	-265,6077	13-1	0,00000
13	0,56894	ULS2		-9,645E-16	-536,2440	13-1	0,56894
13	1,13787	ULS2		-1,001E-15	-870,5562	13-1	1,13787
13	0,00000	ENVELOPE_ ULS	Max	-9,281E-16	-144,7729	13-1	0,00000
13	0,56894	ENVELOPE_ ULS	Max	-9,645E-16	-406,9120	13-1	0,56894
13	1,13787	ENVELOPE_ ULS	Max	-1,001E-15	-743,9265	13-1	1,13787
13	0,00000	ENVELOPE_ ULS	Min	-1,715E-13	-265,6077	13-1	0,00000
13	0,56894	ENVELOPE_ ULS	Min	-2,523E-13	-536,2440	13-1	0,56894
13	1,13787	ENVELOPE_ ULS	Min	-3,332E-13	-870,5562	13-1	1,13787
17	0,00000	USL1		3,419E-14	-94,3720	17-1	0,00000
17	0,38282	USL1		5,034E-14	-38,7459	17-1	0,38282
17	0,00000	ULS2		-1,466E-14	-69,7124	17-1	0,00000
17	0,38282	ULS2		-9,387E-15	-35,5405	17-1	0,38282
17	0,00000	ENVELOPE_ ULS	Max	3,419E-14	-69,7124	17-1	0,00000
17	0,38282	ENVELOPE_ ULS	Max	5,034E-14	-35,5405	17-1	0,38282
17	0,00000	ENVELOPE_ ULS	Min	-1,466E-14	-94,3720	17-1	0,00000
17	0,38282	ENVELOPE_ ULS	Min	-9,387E-15	-38,7459	17-1	0,38282
26	0,00000	USL1		-5,384E-15	-488,0873	26-1	0,00000
26	0,23812	USL1		2,062E-15	-396,1121	26-1	0,23812
26	0,47625	USL1		9,508E-15	-313,8513	26-1	0,47625
26	0,00000	ULS2		-7,160E-15	-555,0879	26-1	0,00000
26	0,23812	ULS2		-6,482E-15	-458,1854	26-1	0,23812
26	0,47625	ULS2		-5,804E-15	-367,0182	26-1	0,47625
26	0,00000	ENVELOPE_ ULS	Max	-5,384E-15	-488,0873	26-1	0,00000
26	0,23812	ENVELOPE_ ULS	Max	2,062E-15	-396,1121	26-1	0,23812
26	0,47625	ENVELOPE_ ULS	Max	9,508E-15	-313,8513	26-1	0,47625
26	0,00000	ENVELOPE_ ULS	Min	-7,160E-15	-555,0879	26-1	0,00000
26	0,23812	ENVELOPE_ ULS	Min	-6,482E-15	-458,1854	26-1	0,23812
26	0,47625	ENVELOPE_ ULS	Min	-5,804E-15	-367,0182	26-1	0,47625

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
33	0,00000	USL1		4,479E-14	-38,7459	33-1	0,00000
33	0,38282	USL1		4,828E-14	-20,8777	33-1	0,38282
33	0,00000	ULS2		-9,387E-15	-35,5405	33-1	0,00000
33	0,38282	ULS2		-8,614E-15	-38,1333	33-1	0,38282
33	0,00000	ENVELOPE_ ULS	Max	4,479E-14	-35,5405	33-1	0,00000
33	0,38282	ENVELOPE_ ULS	Max	4,828E-14	-20,8777	33-1	0,38282
33	0,00000	ENVELOPE_ ULS	Min	-9,387E-15	-38,7459	33-1	0,00000
33	0,38282	ENVELOPE_ ULS	Min	-8,614E-15	-38,1333	33-1	0,38282
37	0,00000	USL1		-7,272E-14	-74,9012	37-1	0,00000
37	0,23812	USL1		-7,173E-14	-114,3670	37-1	0,23812
37	0,47625	USL1		-7,080E-14	-158,2834	37-1	0,47625
37	0,00000	ULS2		-1,588E-14	-128,2463	37-1	0,00000
37	0,23812	ULS2		-2,166E-14	-176,6908	37-1	0,23812
37	0,47625	ULS2		-2,749E-14	-225,6069	37-1	0,47625
37	0,00000	ENVELOPE_ ULS	Max	-1,588E-14	-74,9012	37-1	0,00000
37	0,23812	ENVELOPE_ ULS	Max	-2,166E-14	-114,3670	37-1	0,23812
37	0,47625	ENVELOPE_ ULS	Max	-2,749E-14	-158,2834	37-1	0,47625
37	0,00000	ENVELOPE_ ULS	Min	-7,272E-14	-128,2463	37-1	0,00000
37	0,23812	ENVELOPE_ ULS	Min	-7,173E-14	-176,6908	37-1	0,23812
37	0,47625	ENVELOPE_ ULS	Min	-7,080E-14	-225,6069	37-1	0,47625
38	0,00000	USL1		-1,323E-13	-385,8670	38-1	0,00000
38	0,23812	USL1		-9,983E-14	-264,9781	38-1	0,23812
38	0,47625	USL1		-6,739E-14	-148,2989	38-1	0,47625
38	0,00000	ULS2		-6,127E-14	-506,2089	38-1	0,00000
38	0,23812	ULS2		-4,908E-14	-406,5068	38-1	0,23812
38	0,47625	ULS2		-3,694E-14	-307,2763	38-1	0,47625
38	0,00000	ENVELOPE_ ULS	Max	-6,127E-14	-385,8670	38-1	0,00000
38	0,23812	ENVELOPE_ ULS	Max	-4,908E-14	-264,9781	38-1	0,23812
38	0,47625	ENVELOPE_ ULS	Max	-3,694E-14	-148,2989	38-1	0,47625
38	0,00000	ENVELOPE_ ULS	Min	-1,323E-13	-506,2089	38-1	0,00000
38	0,23812	ENVELOPE_ ULS	Min	-9,983E-14	-406,5068	38-1	0,23812
38	0,47625	ENVELOPE_ ULS	Min	-6,739E-14	-307,2763	38-1	0,47625
39	0,00000	USL1		-5,441E-14	178,3074	39-1	0,00000
39	1,04715	USL1		-6,254E-14	-32,1948	39-1	1,04715
39	2,09431	USL1		-6,882E-14	-227,5836	39-1	2,09431
39	0,00000	ULS2		2,019E-14	158,8069	39-1	0,00000
39	1,04715	ULS2		-8,396E-15	-68,4542	39-1	1,04715
39	2,09431	ULS2		-3,513E-14	-280,6020	39-1	2,09431
39	0,00000	ENVELOPE_ ULS	Max	2,019E-14	178,3074	39-1	0,00000
39	1,04715	ENVELOPE_ ULS	Max	-8,396E-15	-32,1948	39-1	1,04715
39	2,09431	ENVELOPE_ ULS	Max	-3,513E-14	-227,5836	39-1	2,09431
39	0,00000	ENVELOPE_ ULS	Min	-5,441E-14	158,8069	39-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
39	1,04715	ENVELOPE_ ULS	Min	-6,254E-14	-68,4542	39-1	1,04715
39	2,09431	ENVELOPE_ ULS	Min	-6,882E-14	-280,6020	39-1	2,09431
40	0,00000	USL1		-8,911E-14	57,4870	40-1	0,00000
40	1,03322	USL1		-1,444E-13	-216,0423	40-1	1,03322
40	2,06644	USL1		-1,980E-13	-475,0328	40-1	2,06644
40	0,00000	ULS2		1,481E-15	40,8292	40-1	0,00000
40	1,03322	ULS2		-3,732E-14	-251,4607	40-1	1,03322
40	2,06644	ULS2		-7,435E-14	-529,2119	40-1	2,06644
40	0,00000	ENVELOPE_ ULS	Max	1,481E-15	57,4870	40-1	0,00000
40	1,03322	ENVELOPE_ ULS	Max	-3,732E-14	-216,0423	40-1	1,03322
40	2,06644	ENVELOPE_ ULS	Max	-7,435E-14	-475,0328	40-1	2,06644
40	0,00000	ENVELOPE_ ULS	Min	-8,911E-14	40,8292	40-1	0,00000
40	1,03322	ENVELOPE_ ULS	Min	-1,444E-13	-251,4607	40-1	1,03322
40	2,06644	ENVELOPE_ ULS	Min	-1,980E-13	-529,2119	40-1	2,06644
41	0,00000	USL1		4,423E-14	-20,8777	41-1	0,00000
41	0,36365	USL1		4,322E-14	-39,9532	41-1	0,36365
41	0,00000	ULS2		-8,614E-15	-38,1333	41-1	0,00000
41	0,36365	ULS2		-1,221E-14	-75,9473	41-1	0,36365
41	0,00000	ENVELOPE_ ULS	Max	4,423E-14	-20,8777	41-1	0,00000
41	0,36365	ENVELOPE_ ULS	Max	4,322E-14	-39,9532	41-1	0,36365
41	0,00000	ENVELOPE_ ULS	Min	-8,614E-15	-38,1333	41-1	0,00000
41	0,36365	ENVELOPE_ ULS	Min	-1,221E-14	-75,9473	41-1	0,36365
42	0,00000	USL1		4,286E-14	-39,9532	42-1	0,00000
42	0,36365	USL1		3,876E-14	-95,2426	42-1	0,36365
42	0,00000	ULS2		-1,221E-14	-75,9473	42-1	0,00000
42	0,36365	ULS2		-2,018E-14	-149,5207	42-1	0,36365
42	0,00000	ENVELOPE_ ULS	Max	4,286E-14	-39,9532	42-1	0,00000
42	0,36365	ENVELOPE_ ULS	Max	3,876E-14	-95,2426	42-1	0,36365
42	0,00000	ENVELOPE_ ULS	Min	-1,221E-14	-75,9473	42-1	0,00000
42	0,36365	ENVELOPE_ ULS	Min	-2,018E-14	-149,5207	42-1	0,36365
43	0,00000	USL1		1,467E-13	-37,7556	43-1	0,00000
43	0,25031	USL1		1,521E-13	15,6212	43-1	0,25031
43	0,50061	USL1		1,572E-13	60,6726	43-1	0,50061
43	0,00000	ULS2		-1,322E-14	-108,6915	43-1	0,00000
43	0,25031	ULS2		-5,102E-15	-42,2553	43-1	0,25031
43	0,50061	ULS2		2,630E-15	21,0086	43-1	0,50061
43	0,00000	ENVELOPE_ ULS	Max	1,467E-13	-37,7556	43-1	0,00000
43	0,25031	ENVELOPE_ ULS	Max	1,521E-13	15,6212	43-1	0,25031
43	0,50061	ENVELOPE_ ULS	Max	1,572E-13	60,6726	43-1	0,50061
43	0,00000	ENVELOPE_ ULS	Min	-1,322E-14	-108,6915	43-1	0,00000
43	0,25031	ENVELOPE_ ULS	Min	-5,102E-15	-42,2553	43-1	0,25031

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
43	0,50061	ENVELOPE_ ULS	Min	2,630E-15	21,0086	43-1	0,50061
44	0,00000	USL1		1,483E-13	60,6726	44-1	0,00000
44	0,25031	USL1		1,548E-13	81,3836	44-1	0,25031
44	0,50061	USL1		1,609E-13	93,4669	44-1	0,50061
44	0,00000	ULS2		2,630E-15	21,0086	44-1	0,00000
44	0,25031	ULS2		7,376E-15	59,8932	44-1	0,25031
44	0,50061	ULS2		1,172E-14	95,4851	44-1	0,50061
44	0,00000	ENVELOPE_ ULS	Max	1,483E-13	60,6726	44-1	0,00000
44	0,25031	ENVELOPE_ ULS	Max	1,548E-13	81,3836	44-1	0,25031
44	0,50061	ENVELOPE_ ULS	Max	1,609E-13	95,4851	44-1	0,50061
44	0,00000	ENVELOPE_ ULS	Min	2,630E-15	21,0086	44-1	0,00000
44	0,25031	ENVELOPE_ ULS	Min	7,376E-15	59,8932	44-1	0,25031
44	0,50061	ENVELOPE_ ULS	Min	1,172E-14	93,4669	44-1	0,50061
45	0,00000	USL1		1,753E-13	93,4669	45-1	0,00000
45	0,24951	USL1		1,808E-13	127,2137	45-1	0,24951
45	0,49901	USL1		1,861E-13	153,2795	45-1	0,49901
45	0,00000	ULS2		1,192E-14	95,4851	45-1	0,00000
45	0,24951	ULS2		1,741E-14	140,4330	45-1	0,24951
45	0,49901	ULS2		2,263E-14	183,1626	45-1	0,49901
45	0,00000	ENVELOPE_ ULS	Max	1,753E-13	95,4851	45-1	0,00000
45	0,24951	ENVELOPE_ ULS	Max	1,808E-13	140,4330	45-1	0,24951
45	0,49901	ENVELOPE_ ULS	Max	1,861E-13	183,1626	45-1	0,49901
45	0,00000	ENVELOPE_ ULS	Min	1,192E-14	93,4669	45-1	0,00000
45	0,24951	ENVELOPE_ ULS	Min	1,741E-14	127,2137	45-1	0,24951
45	0,49901	ENVELOPE_ ULS	Min	2,263E-14	153,2795	45-1	0,49901
46	0,00000	USL1		1,861E-13	153,2795	46-1	0,00000
46	0,24951	USL1		1,845E-13	153,4163	46-1	0,24951
46	0,49901	USL1		1,827E-13	145,6564	46-1	0,49901
46	0,00000	ULS2		2,263E-14	183,1626	46-1	0,00000
46	0,24951	ULS2		2,462E-14	199,5927	46-1	0,24951
46	0,49901	ULS2		2,634E-14	213,7321	46-1	0,49901
46	0,00000	ENVELOPE_ ULS	Max	1,861E-13	183,1626	46-1	0,00000
46	0,24951	ENVELOPE_ ULS	Max	1,845E-13	199,5927	46-1	0,24951
46	0,49901	ENVELOPE_ ULS	Max	1,827E-13	213,7321	46-1	0,49901
46	0,00000	ENVELOPE_ ULS	Min	2,263E-14	153,2795	46-1	0,00000
46	0,24951	ENVELOPE_ ULS	Min	2,462E-14	153,4163	46-1	0,24951
46	0,49901	ENVELOPE_ ULS	Min	2,634E-14	145,6564	46-1	0,49901
47	0,00000	USL1		1,829E-13	145,6564	47-1	0,00000
47	0,24961	USL1		1,684E-13	166,9667	47-1	0,24961
47	0,49922	USL1		1,538E-13	181,6807	47-1	0,49922
47	0,00000	ULS2		2,657E-14	213,7321	47-1	0,00000
47	0,24961	ULS2		2,982E-14	240,4324	47-1	0,24961
47	0,49922	ULS2		3,297E-14	266,2622	47-1	0,49922

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
47	0,00000	ENVELOPE_ ULS	Max	1,829E-13	213,7321	47-1	0,00000
47	0,24961	ENVELOPE_ ULS	Max	1,684E-13	240,4324	47-1	0,24961
47	0,49922	ENVELOPE_ ULS	Max	1,538E-13	266,2622	47-1	0,49922
47	0,00000	ENVELOPE_ ULS	Min	2,657E-14	145,6564	47-1	0,00000
47	0,24961	ENVELOPE_ ULS	Min	2,982E-14	166,9667	47-1	0,24961
47	0,49922	ENVELOPE_ ULS	Min	3,297E-14	181,6807	47-1	0,49922
48	0,00000	USL1		1,609E-13	181,6807	48-1	0,00000
48	0,24961	USL1		1,535E-13	169,4541	48-1	0,24961
48	0,49922	USL1		1,461E-13	150,5164	48-1	0,49922
48	0,00000	ULS2		3,297E-14	266,2622	48-1	0,00000
48	0,24961	ULS2		3,274E-14	264,5175	48-1	0,24961
48	0,49922	ULS2		3,240E-14	261,8747	48-1	0,49922
48	0,00000	ENVELOPE_ ULS	Max	1,609E-13	266,2622	48-1	0,00000
48	0,24961	ENVELOPE_ ULS	Max	1,535E-13	264,5175	48-1	0,24961
48	0,49922	ENVELOPE_ ULS	Max	1,461E-13	261,8747	48-1	0,49922
48	0,00000	ENVELOPE_ ULS	Min	3,297E-14	181,6807	48-1	0,00000
48	0,24961	ENVELOPE_ ULS	Min	3,274E-14	169,4541	48-1	0,24961
48	0,49922	ENVELOPE_ ULS	Min	3,240E-14	150,5164	48-1	0,49922
49	0,00000	USL1		1,321E-13	150,5164	49-1	0,00000
49	0,26085	USL1		1,189E-13	165,7668	49-1	0,26085
49	0,52170	USL1		1,057E-13	175,3284	49-1	0,52170
49	0,00000	ULS2		3,262E-14	261,8747	49-1	0,00000
49	0,26085	ULS2		3,421E-14	274,9979	49-1	0,26085
49	0,52170	ULS2		3,589E-14	288,8451	49-1	0,52170
49	0,00000	ENVELOPE_ ULS	Max	1,321E-13	261,8747	49-1	0,00000
49	0,26085	ENVELOPE_ ULS	Max	1,189E-13	274,9979	49-1	0,26085
49	0,52170	ENVELOPE_ ULS	Max	1,057E-13	288,8451	49-1	0,52170
49	0,00000	ENVELOPE_ ULS	Min	3,262E-14	150,5164	49-1	0,00000
49	0,26085	ENVELOPE_ ULS	Min	3,421E-14	165,7668	49-1	0,26085
49	0,52170	ENVELOPE_ ULS	Min	3,589E-14	175,3284	49-1	0,52170
50	0,00000	USL1		7,142E-14	175,3284	50-1	0,00000
50	0,26085	USL1		4,730E-14	156,3826	50-1	0,26085
50	0,52170	USL1		2,327E-14	131,7032	50-1	0,52170
50	0,00000	ULS2		3,589E-14	288,8451	50-1	0,00000
50	0,26085	ULS2		3,401E-14	273,6655	50-1	0,26085
50	0,52170	ULS2		3,222E-14	259,1992	50-1	0,52170
50	0,00000	ENVELOPE_ ULS	Max	7,142E-14	288,8451	50-1	0,00000
50	0,26085	ENVELOPE_ ULS	Max	4,730E-14	273,6655	50-1	0,26085
50	0,52170	ENVELOPE_ ULS	Max	3,222E-14	259,1992	50-1	0,52170
50	0,00000	ENVELOPE_ ULS	Min	3,589E-14	175,3284	50-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
50	0,26085	ENVELOPE_ ULS	Min	3,401E-14	156,3826	50-1	0,26085
50	0,52170	ENVELOPE_ ULS	Min	2,327E-14	131,7032	50-1	0,52170
51	0,00000	USL1		3,952E-14	131,7032	51-1	0,00000
51	0,25154	USL1		2,612E-14	148,3303	51-1	0,25154
51	0,50307	USL1		1,289E-14	160,4451	51-1	0,50307
51	0,00000	ULS2		3,242E-14	259,1992	51-1	0,00000
51	0,25154	ULS2		3,331E-14	266,6091	51-1	0,25154
51	0,50307	ULS2		3,438E-14	275,5017	51-1	0,50307
51	0,00000	ENVELOPE_ ULS	Max	3,952E-14	259,1992	51-1	0,00000
51	0,25154	ENVELOPE_ ULS	Max	3,331E-14	266,6091	51-1	0,25154
51	0,50307	ENVELOPE_ ULS	Max	3,438E-14	275,5017	51-1	0,50307
51	0,00000	ENVELOPE_ ULS	Min	3,242E-14	131,7032	51-1	0,00000
51	0,25154	ENVELOPE_ ULS	Min	2,612E-14	148,3303	51-1	0,25154
51	0,50307	ENVELOPE_ ULS	Min	1,289E-14	160,4451	51-1	0,50307
52	0,00000	USL1		5,962E-15	160,4451	52-1	0,00000
52	0,25154	USL1		-3,533E-15	145,3741	52-1	0,25154
52	0,50307	USL1		-1,285E-14	125,8225	52-1	0,50307
52	0,00000	ULS2		3,438E-14	275,5017	52-1	0,00000
52	0,25154	ULS2		3,204E-14	256,4813	52-1	0,25154
52	0,50307	ULS2		2,987E-14	238,9436	52-1	0,50307
52	0,00000	ENVELOPE_ ULS	Max	3,438E-14	275,5017	52-1	0,00000
52	0,25154	ENVELOPE_ ULS	Max	3,204E-14	256,4813	52-1	0,25154
52	0,50307	ENVELOPE_ ULS	Max	2,987E-14	238,9436	52-1	0,50307
52	0,00000	ENVELOPE_ ULS	Min	5,962E-15	160,4451	52-1	0,00000
52	0,25154	ENVELOPE_ ULS	Min	-3,533E-15	145,3741	52-1	0,25154
52	0,50307	ENVELOPE_ ULS	Min	-1,285E-14	125,8225	52-1	0,50307
53	0,00000	USL1		-3,391E-14	125,8225	53-1	0,00000
53	0,25024	USL1		-4,754E-14	147,0057	53-1	0,25024
53	0,50047	USL1		-6,100E-14	163,7498	53-1	0,50047
53	0,00000	ULS2		3,004E-14	238,9436	53-1	0,00000
53	0,25024	ULS2		3,063E-14	243,9158	53-1	0,25024
53	0,50047	ULS2		3,139E-14	250,2911	53-1	0,50047
53	0,00000	ENVELOPE_ ULS	Max	3,004E-14	238,9436	53-1	0,00000
53	0,25024	ENVELOPE_ ULS	Max	3,063E-14	243,9158	53-1	0,25024
53	0,50047	ENVELOPE_ ULS	Max	3,139E-14	250,2911	53-1	0,50047
53	0,00000	ENVELOPE_ ULS	Min	-3,391E-14	125,8225	53-1	0,00000
53	0,25024	ENVELOPE_ ULS	Min	-4,754E-14	147,0057	53-1	0,25024
53	0,50047	ENVELOPE_ ULS	Min	-6,100E-14	163,7498	53-1	0,50047
54	0,00000	USL1		-4,677E-14	163,7498	54-1	0,00000
54	0,25024	USL1		-7,780E-14	153,8113	54-1	0,25024
54	0,50047	USL1		-1,087E-13	139,5214	54-1	0,50047
54	0,00000	ULS2		3,139E-14	250,2911	54-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
54	0,25024	ULS2		2,881E-14	229,3418	54-1	0,25024
54	0,50047	ULS2		2,640E-14	209,7955	54-1	0,50047
54	0,00000	ENVELOPE_ ULS	Max	3,139E-14	250,2911	54-1	0,00000
54	0,25024	ENVELOPE_ ULS	Max	2,881E-14	229,3418	54-1	0,25024
54	0,50047	ENVELOPE_ ULS	Max	2,640E-14	209,7955	54-1	0,50047
54	0,00000	ENVELOPE_ ULS	Min	-4,677E-14	163,7498	54-1	0,00000
54	0,25024	ENVELOPE_ ULS	Min	-7,780E-14	153,8113	54-1	0,25024
54	0,50047	ENVELOPE_ ULS	Min	-1,087E-13	139,5214	54-1	0,50047
55	0,00000	USL1		-1,014E-13	139,5214	55-1	0,00000
55	0,25051	USL1		-1,146E-13	169,7267	55-1	0,25051
55	0,50102	USL1		-1,277E-13	195,5617	55-1	0,50102
55	0,00000	ULS2		2,653E-14	209,7955	55-1	0,00000
55	0,25051	ULS2		2,753E-14	218,0460	55-1	0,25051
55	0,50102	ULS2		2,868E-14	227,5772	55-1	0,50102
55	0,00000	ENVELOPE_ ULS	Max	2,653E-14	209,7955	55-1	0,00000
55	0,25051	ENVELOPE_ ULS	Max	2,753E-14	218,0460	55-1	0,25051
55	0,50102	ENVELOPE_ ULS	Max	2,868E-14	227,5772	55-1	0,50102
55	0,00000	ENVELOPE_ ULS	Min	-1,014E-13	139,5214	55-1	0,00000
55	0,25051	ENVELOPE_ ULS	Min	-1,146E-13	169,7267	55-1	0,25051
55	0,50102	ENVELOPE_ ULS	Min	-1,277E-13	195,5617	55-1	0,50102
56	0,00000	USL1		-1,205E-13	195,5617	56-1	0,00000
56	0,25051	USL1		-1,225E-13	196,1607	56-1	0,25051
56	0,50102	USL1		-1,244E-13	192,5336	56-1	0,50102
56	0,00000	ULS2		2,868E-14	227,5772	56-1	0,00000
56	0,25051	ULS2		2,669E-14	211,4901	56-1	0,25051
56	0,50102	ULS2		2,486E-14	196,6836	56-1	0,50102
56	0,00000	ENVELOPE_ ULS	Max	2,868E-14	227,5772	56-1	0,00000
56	0,25051	ENVELOPE_ ULS	Max	2,669E-14	211,4901	56-1	0,25051
56	0,50102	ENVELOPE_ ULS	Max	2,486E-14	196,6836	56-1	0,50102
56	0,00000	ENVELOPE_ ULS	Min	-1,205E-13	195,5617	56-1	0,00000
56	0,25051	ENVELOPE_ ULS	Min	-1,225E-13	196,1607	56-1	0,25051
56	0,50102	ENVELOPE_ ULS	Min	-1,244E-13	192,5336	56-1	0,50102
57	0,00000	USL1		-1,029E-13	192,5336	57-1	0,00000
57	0,25080	USL1		-9,312E-14	240,0881	57-1	0,25080
57	0,50160	USL1		-8,316E-14	283,3884	57-1	0,50160
57	0,00000	ULS2		2,496E-14	196,6836	57-1	0,00000
57	0,25080	ULS2		2,765E-14	218,8133	57-1	0,25080
57	0,50160	ULS2		3,048E-14	242,0448	57-1	0,50160
57	0,00000	ENVELOPE_ ULS	Max	2,496E-14	196,6836	57-1	0,00000
57	0,25080	ENVELOPE_ ULS	Max	2,765E-14	240,0881	57-1	0,25080
57	0,50160	ENVELOPE_ ULS	Max	3,048E-14	283,3884	57-1	0,50160

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
57	0,00000	ENVELOPE_ ULS	Min	-1,029E-13	192,5336	57-1	0,00000
57	0,25080	ENVELOPE_ ULS	Min	-9,312E-14	218,8133	57-1	0,25080
57	0,50160	ENVELOPE_ ULS	Min	-8,316E-14	242,0448	57-1	0,50160
58	0,00000	USL1		-8,321E-14	283,3884	58-1	0,00000
58	0,25080	USL1		-8,314E-14	304,0940	58-1	0,25080
58	0,50160	USL1		-8,293E-14	320,7278	58-1	0,50160
58	0,00000	ULS2		3,048E-14	242,0448	58-1	0,00000
58	0,25080	ULS2		3,055E-14	242,7453	58-1	0,25080
58	0,50160	ULS2		3,076E-14	244,5476	58-1	0,50160
58	0,00000	ENVELOPE_ ULS	Max	3,048E-14	283,3884	58-1	0,00000
58	0,25080	ENVELOPE_ ULS	Max	3,055E-14	304,0940	58-1	0,25080
58	0,50160	ENVELOPE_ ULS	Max	3,076E-14	320,7278	58-1	0,50160
58	0,00000	ENVELOPE_ ULS	Min	-8,321E-14	242,0448	58-1	0,00000
58	0,25080	ENVELOPE_ ULS	Min	-8,314E-14	242,7453	58-1	0,25080
58	0,50160	ENVELOPE_ ULS	Min	-8,293E-14	244,5476	58-1	0,50160
59	0,00000	USL1		-3,129E-14	142,4204	59-1	0,00000
59	0,38282	USL1		-1,780E-14	142,7355	59-1	0,38282
59	0,00000	ULS2		1,134E-14	85,7407	59-1	0,00000
59	0,38282	ULS2		1,395E-14	104,9943	59-1	0,38282
59	0,00000	ENVELOPE_ ULS	Max	1,134E-14	142,4204	59-1	0,00000
59	0,38282	ENVELOPE_ ULS	Max	1,395E-14	142,7355	59-1	0,38282
59	0,00000	ENVELOPE_ ULS	Min	-3,129E-14	85,7407	59-1	0,00000
59	0,38282	ENVELOPE_ ULS	Min	-1,780E-14	104,9943	59-1	0,38282
60	0,00000	USL1		-1,447E-14	142,7355	60-1	0,00000
60	0,38282	USL1		-1,790E-14	92,6868	60-1	0,38282
60	0,00000	ULS2		1,395E-14	104,9943	60-1	0,00000
60	0,38282	ULS2		1,052E-14	74,9242	60-1	0,38282
60	0,00000	ENVELOPE_ ULS	Max	1,395E-14	142,7355	60-1	0,00000
60	0,38282	ENVELOPE_ ULS	Max	1,052E-14	92,6868	60-1	0,38282
60	0,00000	ENVELOPE_ ULS	Min	-1,447E-14	104,9943	60-1	0,00000
60	0,38282	ENVELOPE_ ULS	Min	-1,790E-14	74,9242	60-1	0,38282
61	0,00000	USL1		-1,790E-14	92,6868	61-1	0,00000
61	0,38282	USL1		-3,836E-14	-8,5932	61-1	0,38282
61	0,00000	ULS2		1,052E-14	74,9242	61-1	0,00000
61	0,38282	ULS2		9,407E-16	-5,3809	61-1	0,38282
61	0,00000	ENVELOPE_ ULS	Max	1,052E-14	92,6868	61-1	0,00000
61	0,38282	ENVELOPE_ ULS	Max	9,407E-16	-5,3809	61-1	0,38282
61	0,00000	ENVELOPE_ ULS	Min	-1,790E-14	74,9242	61-1	0,00000
61	0,38282	ENVELOPE_ ULS	Min	-3,836E-14	-8,5932	61-1	0,38282
62	0,00000	USL1		-6,165E-15	-8,5932	62-1	0,00000
62	0,38282	USL1		-3,289E-14	-162,0047	62-1	0,38282
62	0,00000	ULS2		9,407E-16	-5,3809	62-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
62	0,38282	ULS2		-1,491E-14	-136,8606	62-1	0,38282
62	0,00000	ENVELOPE_ ULS	Max	9,407E-16	-5,3809	62-1	0,00000
62	0,38282	ENVELOPE_ ULS	Max	-1,491E-14	-136,8606	62-1	0,38282
62	0,00000	ENVELOPE_ ULS	Min	-6,165E-15	-8,5932	62-1	0,00000
62	0,38282	ENVELOPE_ ULS	Min	-3,289E-14	-162,0047	62-1	0,38282
63	0,00000	USL1		-2,847E-13	-743,9265	63-1	0,00000
63	0,23812	USL1		-2,847E-13	-708,4100	63-1	0,23812
63	0,47625	USL1		-2,848E-13	-679,2142	63-1	0,47625
63	0,00000	ULS2		-5,061E-16	-870,5562	63-1	0,00000
63	0,23812	ULS2		-5,213E-16	-852,6492	63-1	0,23812
63	0,47625	ULS2		-5,365E-16	-838,7763	63-1	0,47625
63	0,00000	ENVELOPE_ ULS	Max	-5,061E-16	-743,9265	63-1	0,00000
63	0,23812	ENVELOPE_ ULS	Max	-5,213E-16	-708,4100	63-1	0,23812
63	0,47625	ENVELOPE_ ULS	Max	-5,365E-16	-679,2142	63-1	0,47625
63	0,00000	ENVELOPE_ ULS	Min	-2,847E-13	-870,5562	63-1	0,00000
63	0,23812	ENVELOPE_ ULS	Min	-2,847E-13	-852,6492	63-1	0,23812
63	0,47625	ENVELOPE_ ULS	Min	-2,848E-13	-838,7763	63-1	0,47625
64	0,00000	USL1		-2,705E-13	-679,2142	64-1	0,00000
64	0,23812	USL1		-2,300E-13	-657,8435	64-1	0,23812
64	0,47625	USL1		-1,894E-13	-643,2784	64-1	0,47625
64	0,00000	ULS2		-5,365E-16	-838,7763	64-1	0,00000
64	0,23812	ULS2		-5,517E-16	-830,3216	64-1	0,23812
64	0,47625	ULS2		-5,669E-16	-826,1449	64-1	0,47625
64	0,00000	ENVELOPE_ ULS	Max	-5,365E-16	-679,2142	64-1	0,00000
64	0,23812	ENVELOPE_ ULS	Max	-5,517E-16	-657,8435	64-1	0,23812
64	0,47625	ENVELOPE_ ULS	Max	-5,669E-16	-643,2784	64-1	0,47625
64	0,00000	ENVELOPE_ ULS	Min	-2,705E-13	-838,7763	64-1	0,00000
64	0,23812	ENVELOPE_ ULS	Min	-2,300E-13	-830,3216	64-1	0,23812
64	0,47625	ENVELOPE_ ULS	Min	-1,894E-13	-826,1449	64-1	0,47625
65	0,00000	USL1		-1,853E-13	-643,2784	65-1	0,00000
65	0,23812	USL1		-1,447E-13	-637,0232	65-1	0,23812
65	0,47625	USL1		-1,041E-13	-638,0583	65-1	0,47625
65	0,00000	ULS2		-5,669E-16	-826,1449	65-1	0,00000
65	0,23812	ULS2		-5,821E-16	-827,6301	65-1	0,23812
65	0,47625	ULS2		-5,973E-16	-833,6372	65-1	0,47625
65	0,00000	ENVELOPE_ ULS	Max	-5,669E-16	-643,2784	65-1	0,00000
65	0,23812	ENVELOPE_ ULS	Max	-5,821E-16	-637,0232	65-1	0,23812
65	0,47625	ENVELOPE_ ULS	Max	-5,973E-16	-638,0583	65-1	0,47625
65	0,00000	ENVELOPE_ ULS	Min	-1,853E-13	-826,1449	65-1	0,00000
65	0,23812	ENVELOPE_ ULS	Min	-1,447E-13	-827,6301	65-1	0,23812
65	0,47625	ENVELOPE_ ULS	Min	-1,041E-13	-833,6372	65-1	0,47625

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
66	0,00000	USL1		-8,586E-14	-638,0583	66-1	0,00000
66	0,23812	USL1		-5,881E-14	-647,8882	66-1	0,23812
66	0,47625	USL1		-3,175E-14	-665,4933	66-1	0,47625
66	0,00000	ULS2		-5,973E-16	-833,6372	66-1	0,00000
66	0,23812	ULS2		-6,125E-16	-845,5500	66-1	0,23812
66	0,47625	ULS2		-6,277E-16	-862,2284	66-1	0,47625
66	0,00000	ENVELOPE_ ULS	Max	-5,973E-16	-638,0583	66-1	0,00000
66	0,23812	ENVELOPE_ ULS	Max	-6,125E-16	-647,8882	66-1	0,23812
66	0,47625	ENVELOPE_ ULS	Max	-6,277E-16	-665,4933	66-1	0,47625
66	0,00000	ENVELOPE_ ULS	Min	-8,586E-14	-833,6372	66-1	0,00000
66	0,23812	ENVELOPE_ ULS	Min	-5,881E-14	-845,5500	66-1	0,23812
66	0,47625	ENVELOPE_ ULS	Min	-3,175E-14	-862,2284	66-1	0,47625
67	0,00000	USL1		-6,458E-14	-665,4933	67-1	0,00000
67	0,23812	USL1		-3,752E-14	-692,3779	67-1	0,23812
67	0,47625	USL1		-1,046E-14	-727,5224	67-1	0,47625
67	0,00000	ULS2		-6,277E-16	-862,2284	67-1	0,00000
67	0,23812	ULS2		-6,429E-16	-885,0562	67-1	0,23812
67	0,47625	ULS2		-6,581E-16	-912,8920	67-1	0,47625
67	0,00000	ENVELOPE_ ULS	Max	-6,277E-16	-665,4933	67-1	0,00000
67	0,23812	ENVELOPE_ ULS	Max	-6,429E-16	-692,3779	67-1	0,23812
67	0,47625	ENVELOPE_ ULS	Max	-6,581E-16	-727,5224	67-1	0,47625
67	0,00000	ENVELOPE_ ULS	Min	-6,458E-14	-862,2284	67-1	0,00000
67	0,23812	ENVELOPE_ ULS	Min	-3,752E-14	-885,0562	67-1	0,23812
67	0,47625	ENVELOPE_ ULS	Min	-1,046E-14	-912,8920	67-1	0,47625
68	0,00000	USL1		1,355E-14	-727,5224	68-1	0,00000
68	0,23812	USL1		4,061E-14	-772,4313	68-1	0,23812
68	0,47625	USL1		6,767E-14	-826,0849	68-1	0,47625
68	0,00000	ULS2		-6,581E-16	-912,8920	68-1	0,00000
68	0,23812	ULS2		-6,733E-16	-947,1184	68-1	0,23812
68	0,47625	ULS2		-6,885E-16	-986,5939	68-1	0,47625
68	0,00000	ENVELOPE_ ULS	Max	1,355E-14	-727,5224	68-1	0,00000
68	0,23812	ENVELOPE_ ULS	Max	4,061E-14	-772,4313	68-1	0,23812
68	0,47625	ENVELOPE_ ULS	Max	6,767E-14	-826,0849	68-1	0,47625
68	0,00000	ENVELOPE_ ULS	Min	-6,581E-16	-912,8920	68-1	0,00000
68	0,23812	ENVELOPE_ ULS	Min	-6,733E-16	-947,1184	68-1	0,23812
68	0,47625	ENVELOPE_ ULS	Min	-6,885E-16	-986,5939	68-1	0,47625
69	0,00000	USL1		1,374E-14	-313,8513	69-1	0,00000
69	0,23812	USL1		1,780E-14	-242,8094	69-1	0,23812
69	0,47625	USL1		2,186E-14	-181,9665	69-1	0,47625
69	0,00000	ULS2		-5,804E-15	-367,0182	69-1	0,00000
69	0,23812	ULS2		-5,126E-15	-282,9702	69-1	0,23812
69	0,47625	ULS2		-4,448E-15	-204,9013	69-1	0,47625
69	0,00000	ENVELOPE_ ULS	Max	1,374E-14	-313,8513	69-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
69	0,23812	ENVELOPE_ ULS	Max	1,780E-14	-242,8094	69-1	0,23812
69	0,47625	ENVELOPE_ ULS	Max	2,186E-14	-181,9665	69-1	0,47625
69	0,00000	ENVELOPE_ ULS	Min	-5,804E-15	-367,0182	69-1	0,00000
69	0,23812	ENVELOPE_ ULS	Min	-5,126E-15	-282,9702	69-1	0,23812
69	0,47625	ENVELOPE_ ULS	Min	-4,448E-15	-204,9013	69-1	0,47625
70	0,00000	USL1		1,687E-14	-181,9665	70-1	0,00000
70	0,23812	USL1		2,093E-14	-132,8273	70-1	0,23812
70	0,47625	USL1		2,499E-14	-94,3720	70-1	0,47625
70	0,00000	ULS2		-4,448E-15	-204,9013	70-1	0,00000
70	0,23812	ULS2		-3,770E-15	-134,1954	70-1	0,23812
70	0,47625	ULS2		-3,092E-15	-69,7124	70-1	0,47625
70	0,00000	ENVELOPE_ ULS	Max	1,687E-14	-181,9665	70-1	0,00000
70	0,23812	ENVELOPE_ ULS	Max	2,093E-14	-132,8273	70-1	0,23812
70	0,47625	ENVELOPE_ ULS	Max	2,499E-14	-69,7124	70-1	0,47625
70	0,00000	ENVELOPE_ ULS	Min	-4,448E-15	-204,9013	70-1	0,00000
70	0,23812	ENVELOPE_ ULS	Min	-3,770E-15	-134,1954	70-1	0,23812
70	0,47625	ENVELOPE_ ULS	Min	-3,092E-15	-94,3720	70-1	0,47625
71	0,00000	USL1		-5,309E-14	-162,0047	71-1	0,00000
71	0,23812	USL1		-4,388E-14	-117,0560	71-1	0,23812
71	0,47625	USL1		-3,472E-14	-77,0399	71-1	0,47625
71	0,00000	ULS2		-1,756E-14	-136,8606	71-1	0,00000
71	0,23812	ULS2		-1,512E-14	-118,1725	71-1	0,23812
71	0,47625	ULS2		-1,273E-14	-99,9559	71-1	0,47625
71	0,00000	ENVELOPE_ ULS	Max	-1,756E-14	-136,8606	71-1	0,00000
71	0,23812	ENVELOPE_ ULS	Max	-1,512E-14	-117,0560	71-1	0,23812
71	0,47625	ENVELOPE_ ULS	Max	-1,273E-14	-77,0399	71-1	0,47625
71	0,00000	ENVELOPE_ ULS	Min	-5,309E-14	-162,0047	71-1	0,00000
71	0,23812	ENVELOPE_ ULS	Min	-4,388E-14	-118,1725	71-1	0,23812
71	0,47625	ENVELOPE_ ULS	Min	-3,472E-14	-99,9559	71-1	0,47625
72	0,00000	USL1		-4,470E-14	-77,0399	72-1	0,00000
72	0,23812	USL1		-4,625E-14	-73,6247	72-1	0,23812
72	0,47625	USL1		-4,785E-14	-74,9012	72-1	0,47625
72	0,00000	ULS2		-1,273E-14	-99,9559	72-1	0,00000
72	0,23812	ULS2		-1,428E-14	-113,8653	72-1	0,23812
72	0,47625	ULS2		-1,588E-14	-128,2463	72-1	0,47625
72	0,00000	ENVELOPE_ ULS	Max	-1,273E-14	-77,0399	72-1	0,00000
72	0,23812	ENVELOPE_ ULS	Max	-1,428E-14	-73,6247	72-1	0,23812
72	0,47625	ENVELOPE_ ULS	Max	-1,588E-14	-74,9012	72-1	0,47625
72	0,00000	ENVELOPE_ ULS	Min	-4,470E-14	-99,9559	72-1	0,00000
72	0,23812	ENVELOPE_ ULS	Min	-4,625E-14	-113,8653	72-1	0,23812

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
72	0,47625	ENVELOPE_ ULS	Min	-4,785E-14	-128,2463	72-1	0,47625
73	0,00000	USL1		-6,536E-14	-148,2989	73-1	0,00000
73	0,23812	USL1		-5,107E-14	-72,7976	73-1	0,23812
73	0,47625	USL1		-3,683E-14	-1,2635	73-1	0,47625
73	0,00000	ULS2		-3,694E-14	-307,2763	73-1	0,00000
73	0,23812	ULS2		-2,941E-14	-245,6870	73-1	0,23812
73	0,47625	ULS2		-2,195E-14	-184,5692	73-1	0,47625
73	0,00000	ENVELOPE_ ULS	Max	-3,694E-14	-148,2989	73-1	0,00000
73	0,23812	ENVELOPE_ ULS	Max	-2,941E-14	-72,7976	73-1	0,23812
73	0,47625	ENVELOPE_ ULS	Max	-2,195E-14	-1,2635	73-1	0,47625
73	0,00000	ENVELOPE_ ULS	Min	-6,536E-14	-307,2763	73-1	0,00000
73	0,23812	ENVELOPE_ ULS	Min	-5,107E-14	-245,6870	73-1	0,23812
73	0,47625	ENVELOPE_ ULS	Min	-3,683E-14	-184,5692	73-1	0,47625
74	0,00000	USL1		-6,458E-14	-1,2635	74-1	0,00000
74	0,23812	USL1		-4,839E-14	27,6679	74-1	0,23812
74	0,47625	USL1		-3,226E-14	52,8758	74-1	0,47625
74	0,00000	ULS2		-2,195E-14	-184,5692	74-1	0,00000
74	0,23812	ULS2		-1,929E-14	-162,7856	74-1	0,23812
74	0,47625	ULS2		-1,670E-14	-141,4735	74-1	0,47625
74	0,00000	ENVELOPE_ ULS	Max	-2,195E-14	-1,2635	74-1	0,00000
74	0,23812	ENVELOPE_ ULS	Max	-1,929E-14	27,6679	74-1	0,23812
74	0,47625	ENVELOPE_ ULS	Max	-1,670E-14	52,8758	74-1	0,47625
74	0,00000	ENVELOPE_ ULS	Min	-6,458E-14	-184,5692	74-1	0,00000
74	0,23812	ENVELOPE_ ULS	Min	-4,839E-14	-162,7856	74-1	0,23812
74	0,47625	ENVELOPE_ ULS	Min	-3,226E-14	-141,4735	74-1	0,47625
75	0,00000	USL1		-1,315E-14	52,8758	75-1	0,00000
75	0,23812	USL1		-5,423E-15	34,0366	75-1	0,23812
75	0,47625	USL1		2,241E-15	11,7162	75-1	0,47625
75	0,00000	ULS2		-1,670E-14	-141,4735	75-1	0,00000
75	0,23812	ULS2		-1,913E-14	-161,1899	75-1	0,23812
75	0,47625	ULS2		-2,162E-14	-181,3779	75-1	0,47625
75	0,00000	ENVELOPE_ ULS	Max	-1,315E-14	52,8758	75-1	0,00000
75	0,23812	ENVELOPE_ ULS	Max	-5,423E-15	34,0366	75-1	0,23812
75	0,47625	ENVELOPE_ ULS	Max	2,241E-15	11,7162	75-1	0,47625
75	0,00000	ENVELOPE_ ULS	Min	-1,670E-14	-141,4735	75-1	0,00000
75	0,23812	ENVELOPE_ ULS	Min	-1,913E-14	-161,1899	75-1	0,23812
75	0,47625	ENVELOPE_ ULS	Min	-2,162E-14	-181,3779	75-1	0,47625
76	0,00000	USL1		-3,852E-15	11,7162	76-1	0,00000
76	0,23812	USL1		-8,188E-15	-56,1232	76-1	0,23812
76	0,47625	USL1		-1,258E-14	-127,2026	76-1	0,47625
76	0,00000	ULS2		-2,162E-14	-181,3779	76-1	0,00000
76	0,23812	ULS2		-2,934E-14	-244,2948	76-1	0,23812
76	0,47625	ULS2		-3,711E-14	-307,6831	76-1	0,47625

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
76	0,00000	ENVELOPE_ ULS	Max	-3,852E-15	11,7162	76-1	0,00000
76	0,23812	ENVELOPE_ ULS	Max	-8,188E-15	-56,1232	76-1	0,23812
76	0,47625	ENVELOPE_ ULS	Max	-1,258E-14	-127,2026	76-1	0,47625
76	0,00000	ENVELOPE_ ULS	Min	-2,162E-14	-181,3779	76-1	0,00000
76	0,23812	ENVELOPE_ ULS	Min	-2,934E-14	-244,2948	76-1	0,23812
76	0,47625	ENVELOPE_ ULS	Min	-3,711E-14	-307,6831	76-1	0,47625
77	0,00000	USL1		-1,224E-14	-127,2026	77-1	0,00000
77	0,23812	USL1		-2,293E-14	-245,2952	77-1	0,23812
77	0,47625	USL1		-3,367E-14	-366,3868	77-1	0,47625
77	0,00000	ULS2		-3,711E-14	-307,6831	77-1	0,00000
77	0,23812	ULS2		-5,033E-14	-415,5038	77-1	0,23812
77	0,47625	ULS2		-6,361E-14	-523,7960	77-1	0,47625
77	0,00000	ENVELOPE_ ULS	Max	-1,224E-14	-127,2026	77-1	0,00000
77	0,23812	ENVELOPE_ ULS	Max	-2,293E-14	-245,2952	77-1	0,23812
77	0,47625	ENVELOPE_ ULS	Max	-3,367E-14	-366,3868	77-1	0,47625
77	0,00000	ENVELOPE_ ULS	Min	-3,711E-14	-307,6831	77-1	0,00000
77	0,23812	ENVELOPE_ ULS	Min	-5,033E-14	-415,5038	77-1	0,23812
77	0,47625	ENVELOPE_ ULS	Min	-6,361E-14	-523,7960	77-1	0,47625
78	0,00000	USL1		-4,940E-14	-366,3868	78-1	0,00000
78	0,23812	USL1		-6,663E-14	-535,9963	78-1	0,23812
78	0,47625	USL1		-8,393E-14	-708,3639	78-1	0,47625
78	0,00000	ULS2		-6,361E-14	-523,7960	78-1	0,00000
78	0,23812	ULS2		-8,254E-14	-678,2175	78-1	0,23812
78	0,47625	ULS2		-1,015E-13	-833,1104	78-1	0,47625
78	0,00000	ENVELOPE_ ULS	Max	-4,940E-14	-366,3868	78-1	0,00000
78	0,23812	ENVELOPE_ ULS	Max	-6,663E-14	-535,9963	78-1	0,23812
78	0,47625	ENVELOPE_ ULS	Max	-8,393E-14	-708,3639	78-1	0,47625
78	0,00000	ENVELOPE_ ULS	Min	-6,361E-14	-523,7960	78-1	0,00000
78	0,23812	ENVELOPE_ ULS	Min	-8,254E-14	-678,2175	78-1	0,23812
78	0,47625	ENVELOPE_ ULS	Min	-1,015E-13	-833,1104	78-1	0,47625

Table: Element Joint Forces - Frames, Part 1 of 2

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
1	28	USL1	Combination		-249,320	-7,099E-14	-1230,004	5,971E-14
1	35	USL1	Combination		326,839	7,099E-14	1247,959	-9,876E-14
1	28	ULS2	Combination		-182,268	6,384E-17	-1129,817	-6,885E-16
1	35	ULS2	Combination		228,390	-6,384E-17	1147,772	7,189E-16
1	28	ENVELOPE_ ULS	Combination	Max	-182,268	6,384E-17	-1129,817	5,971E-14

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
1	35	ENVELOPE_ ULS	Combination	Max	326,839	7,099E-14	1247,959	7,189E-16
1	28	ENVELOPE_ ULS	Combination	Min	-249,320	-7,099E-14	-1230,004	-6,885E-16
1	35	ENVELOPE_ ULS	Combination	Min	228,390	-6,384E-17	1147,772	-9,876E-14
2	11	USL1	Combination		905,989	-3,489E-15	1421,684	6,155E-15
2	12	USL1	Combination		-943,925	3,489E-15	-1147,046	-2,211E-15
2	11	ULS2	Combination		827,779	6,384E-17	1320,962	-5,061E-16
2	12	ULS2	Combination		-837,402	-6,384E-17	-1074,637	4,538E-16
2	11	ENVELOPE_ ULS	Combination	Max	905,989	6,384E-17	1421,684	6,155E-15
2	12	ENVELOPE_ ULS	Combination	Max	-837,402	3,489E-15	-1074,637	4,538E-16
2	11	ENVELOPE_ ULS	Combination	Min	827,779	-3,489E-15	1320,962	-5,061E-16
2	12	ENVELOPE_ ULS	Combination	Min	-943,925	-6,384E-17	-1147,046	-2,211E-15
3	12	USL1	Combination		916,175	9,520E-16	1147,046	-2,008E-15
3	13	USL1	Combination		-944,802	-9,520E-16	-931,098	7,069E-15
3	12	ULS2	Combination		809,652	6,384E-17	1074,637	-4,538E-16
3	13	ULS2	Combination		-818,173	-6,384E-17	-878,795	4,076E-16
3	12	ENVELOPE_ ULS	Combination	Max	916,175	9,520E-16	1147,046	-4,538E-16
3	13	ENVELOPE_ ULS	Combination	Max	-818,173	-6,384E-17	-878,795	7,069E-15
3	12	ENVELOPE_ ULS	Combination	Min	809,652	6,384E-17	1074,637	-2,008E-15
3	13	ENVELOPE_ ULS	Combination	Min	-944,802	-9,520E-16	-931,098	4,076E-16
4	13	USL1	Combination		917,052	-8,818E-15	931,098	6,143E-15
4	14	USL1	Combination		-939,628	8,818E-15	-754,894	5,694E-15
4	13	ULS2	Combination		790,423	6,384E-17	878,795	-4,076E-16
4	14	ULS2	Combination		-798,652	-6,384E-17	-718,364	3,651E-16
4	13	ENVELOPE_ ULS	Combination	Max	917,052	6,384E-17	931,098	6,143E-15
4	14	ENVELOPE_ ULS	Combination	Max	-798,652	8,818E-15	-718,364	5,694E-15
4	13	ENVELOPE_ ULS	Combination	Min	790,423	-8,818E-15	878,795	-4,076E-16
4	14	ENVELOPE_ ULS	Combination	Min	-939,628	-6,384E-17	-754,894	3,651E-16
5	14	USL1	Combination		911,878	-2,601E-15	754,894	-1,924E-14
5	15	USL1	Combination		-928,359	2,601E-15	-607,439	1,810E-14
5	14	ULS2	Combination		770,902	6,384E-17	718,364	-3,651E-16
5	15	ULS2	Combination		-779,118	-6,384E-17	-584,731	3,327E-16
5	14	ENVELOPE_ ULS	Combination	Max	911,878	6,384E-17	754,894	-3,651E-16
5	15	ENVELOPE_ ULS	Combination	Max	-779,118	2,601E-15	-584,731	1,810E-14
5	14	ENVELOPE_ ULS	Combination	Min	770,902	-2,601E-15	718,364	-1,924E-14
5	15	ENVELOPE_ ULS	Combination	Min	-928,359	-6,384E-17	-607,439	3,327E-16
6	15	USL1	Combination		900,609	-2,969E-14	607,439	-1,288E-14
6	16	USL1	Combination		-912,819	2,969E-14	-479,313	2,318E-14
6	15	ULS2	Combination		751,368	6,384E-17	584,731	-3,327E-16
6	16	ULS2	Combination		-759,581	-6,384E-17	-468,338	3,124E-16
6	15	ENVELOPE_ ULS	Combination	Max	900,609	6,384E-17	607,439	-3,327E-16
6	16	ENVELOPE_ ULS	Combination	Max	-759,581	2,969E-14	-468,338	2,318E-14

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
6	15	ENVELOPE_ ULS	Combination	Min	751,368	-2,969E-14	584,731	-1,288E-14
6	16	ENVELOPE_ ULS	Combination	Min	-912,819	-6,384E-17	-479,313	3,124E-16
7	16	USL1	Combination		813,069	-8,818E-15	269,313	-2,463E-14
7	17	USL1	Combination		-822,997	8,818E-15	-147,921	2,495E-14
7	16	ULS2	Combination		659,831	6,384E-17	258,338	-3,124E-16
7	17	ULS2	Combination		-668,531	-6,384E-17	-147,915	3,050E-16
7	16	ENVELOPE_ ULS	Combination	Max	813,069	6,384E-17	269,313	-3,124E-16
7	17	ENVELOPE_ ULS	Combination	Max	-668,531	8,818E-15	-147,915	2,495E-14
7	16	ENVELOPE_ ULS	Combination	Min	659,831	-8,818E-15	258,338	-2,463E-14
7	17	ENVELOPE_ ULS	Combination	Min	-822,997	-6,384E-17	-147,921	3,050E-16
8	17	USL1	Combination		795,247	1,960E-14	147,921	-2,374E-14
8	18	USL1	Combination		-749,357	-1,960E-14	-22,227	2,635E-14
8	17	ULS2	Combination		640,781	6,384E-17	147,915	-3,050E-16
8	18	ULS2	Combination		-596,208	-6,384E-17	-33,573	3,129E-16
8	17	ENVELOPE_ ULS	Combination	Max	795,247	1,960E-14	147,921	-3,050E-16
8	18	ENVELOPE_ ULS	Combination	Max	-596,208	-6,384E-17	-22,227	2,635E-14
8	17	ENVELOPE_ ULS	Combination	Min	640,781	6,384E-17	147,915	-2,374E-14
8	18	ENVELOPE_ ULS	Combination	Min	-749,357	-1,960E-14	-33,573	3,129E-16
9	18	USL1	Combination		649,607	-2,157E-15	-187,773	-3,068E-14
9	19	USL1	Combination		-602,981	2,157E-15	315,532	3,431E-14
9	18	ULS2	Combination		496,458	6,384E-17	-176,427	-3,129E-16
9	19	ULS2	Combination		-453,908	-6,384E-17	292,515	3,337E-16
9	18	ENVELOPE_ ULS	Combination	Max	649,607	6,384E-17	-176,427	-3,129E-16
9	19	ENVELOPE_ ULS	Combination	Max	-453,908	2,157E-15	315,532	3,431E-14
9	18	ENVELOPE_ ULS	Combination	Min	496,458	-2,157E-15	-187,773	-3,068E-14
9	19	ENVELOPE_ ULS	Combination	Min	-602,981	-6,384E-17	292,515	3,337E-16
10	19	USL1	Combination		575,231	7,600E-14	-315,532	-2,814E-14
10	20	USL1	Combination		-520,664	-7,600E-14	462,318	4,988E-14
10	19	ULS2	Combination		426,158	6,384E-17	-292,515	-3,337E-16
10	20	ULS2	Combination		-379,917	-6,384E-17	425,592	3,663E-16
10	19	ENVELOPE_ ULS	Combination	Max	575,231	7,600E-14	-292,515	-3,337E-16
10	20	ENVELOPE_ ULS	Combination	Max	-379,917	-6,384E-17	462,318	4,988E-14
10	19	ENVELOPE_ ULS	Combination	Min	426,158	6,384E-17	-315,532	-2,814E-14
10	20	ENVELOPE_ ULS	Combination	Min	-520,664	-7,600E-14	425,592	3,663E-16
11	20	USL1	Combination		492,914	6,135E-14	-462,318	-6,520E-14
11	21	USL1	Combination		-427,113	-6,135E-14	637,522	1,201E-13
11	20	ULS2	Combination		352,167	6,384E-17	-425,592	-3,663E-16
11	21	ULS2	Combination		-300,700	-6,384E-17	585,165	4,087E-16
11	20	ENVELOPE_ ULS	Combination	Max	492,914	6,135E-14	-425,592	-3,663E-16
11	21	ENVELOPE_ ULS	Combination	Max	-300,700	-6,384E-17	637,522	1,201E-13
11	20	ENVELOPE_ ULS	Combination	Min	352,167	6,384E-17	-462,318	-6,520E-14

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
11	21	ENVELOPE_	Combination	Min	-427,113	-6,135E-14	585,165	4,087E-16
		ULS						
12	21	USL1	Combination		399,363	7,645E-14	-637,522	-1,205E-13
12	22	USL1	Combination		-319,779	-7,645E-14	852,230	1,814E-13
12	21	ULS2	Combination		272,950	6,384E-17	-585,165	-4,087E-16
12	22	ULS2	Combination		-213,356	-6,384E-17	779,883	4,547E-16
12	21	ENVELOPE_	Combination	Max	399,363	7,645E-14	-585,165	-4,087E-16
		ULS						
12	22	ENVELOPE_	Combination	Max	-213,356	-6,384E-17	852,230	1,814E-13
		ULS						
12	21	ENVELOPE_	Combination	Min	272,950	6,384E-17	-637,522	-1,205E-13
		ULS						
12	22	ENVELOPE_	Combination	Min	-319,779	-7,645E-14	779,883	4,547E-16
		ULS						
13	22	USL1	Combination		292,029	1,342E-13	-852,230	-1,652E-13
13	31	USL1	Combination		-189,834	-1,342E-13	1122,274	2,901E-13
13	22	ULS2	Combination		185,606	6,384E-17	-779,883	-4,547E-16
13	31	ULS2	Combination		-111,251	-6,384E-17	1022,088	5,061E-16
13	22	ENVELOPE_	Combination	Max	292,029	1,342E-13	-779,883	-4,547E-16
		ULS						
13	31	ENVELOPE_	Combination	Max	-111,251	-6,384E-17	1122,274	2,901E-13
		ULS						
13	22	ENVELOPE_	Combination	Min	185,606	6,384E-17	-852,230	-1,652E-13
		ULS						
13	31	ENVELOPE_	Combination	Min	-189,834	-1,342E-13	1022,088	5,061E-16
		ULS						
17	32	USL1	Combination		133,420	-1,605E-14	-157,164	3,244E-14
17	37	USL1	Combination		-133,420	1,984E-14	133,448	-3,244E-14
17	32	ULS2	Combination		252,260	-2,848E-15	-85,655	-3,092E-15
17	37	ULS2	Combination		-252,260	2,848E-15	92,872	3,092E-15
17	32	ENVELOPE_	Combination	Max	252,260	-2,848E-15	-85,655	3,244E-14
		ULS						
17	37	ENVELOPE_	Combination	Max	-133,420	1,984E-14	133,448	3,092E-15
		ULS						
17	32	ENVELOPE_	Combination	Min	133,420	-1,605E-14	-157,164	-3,092E-15
		ULS						
17	37	ENVELOPE_	Combination	Min	-252,260	2,848E-15	92,872	-3,244E-14
		ULS						
26	35	USL1	Combination		406,309	-3,837E-14	-204,050	-5,384E-15
26	27	USL1	Combination		-324,718	3,837E-14	213,028	-1,729E-14
26	35	ULS2	Combination		418,815	-2,848E-15	-160,979	-7,160E-15
26	27	ULS2	Combination		-370,644	2,848E-15	169,956	5,804E-15
26	35	ENVELOPE_	Combination	Max	418,815	-2,848E-15	-160,979	-5,384E-15
		ULS						
26	27	ENVELOPE_	Combination	Max	-324,718	3,837E-14	213,028	5,804E-15
		ULS						
26	35	ENVELOPE_	Combination	Min	406,309	-3,837E-14	-204,050	-7,160E-15
		ULS						
26	27	ENVELOPE_	Combination	Min	-370,644	2,848E-15	169,956	-1,729E-14
		ULS						
33	37	USL1	Combination		128,120	6,152E-15	-58,533	3,244E-14
33	33	USL1	Combination		-128,120	-2,364E-15	34,817	-3,244E-14
33	37	ULS2	Combination		246,960	-2,848E-15	10,381	-3,092E-15
33	33	ULS2	Combination		-246,960	2,848E-15	-3,165	3,092E-15
33	37	ENVELOPE_	Combination	Max	246,960	6,152E-15	10,381	3,244E-14
		ULS						
33	33	ENVELOPE_	Combination	Max	-128,120	2,848E-15	34,817	3,092E-15
		ULS						
33	37	ENVELOPE_	Combination	Min	128,120	-2,848E-15	-58,533	-3,092E-15
		ULS						
33	33	ENVELOPE_	Combination	Min	-246,960	-2,364E-15	-3,165	-3,244E-14
		ULS						
37	23	USL1	Combination		156,223	-1,241E-14	509,481	6,421E-14

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
37	36	USL1	Combination		-193,604	1,650E-14	-500,504	-5,342E-14
37	23	ULS2	Combination		202,453	-6,591E-16	465,261	1,747E-16
37	36	ULS2	Combination		-206,414	6,591E-16	-456,283	1,391E-16
37	23	ENVELOPE_ ULS	Combination	Max	202,453	-6,591E-16	509,481	6,421E-14
37	36	ENVELOPE_ ULS	Combination	Max	-193,604	1,650E-14	-456,283	1,391E-16
37	23	ENVELOPE_ ULS	Combination	Min	156,223	-1,241E-14	465,261	1,747E-16
37	36	ENVELOPE_ ULS	Combination	Min	-206,414	6,591E-16	-500,504	-5,342E-14
38	36	USL1	Combination		-516,682	-6,968E-14	1547,369	7,200E-14
38	24	USL1	Combination		481,325	7,353E-14	-1529,414	-4,686E-14
38	36	ULS2	Combination		-419,690	6,384E-17	1446,647	-7,189E-16
38	24	ULS2	Combination		415,729	-6,384E-17	-1428,692	6,885E-16
38	36	ENVELOPE_ ULS	Combination	Max	-419,690	6,384E-17	1547,369	7,200E-14
38	24	ENVELOPE_ ULS	Combination	Max	481,325	7,353E-14	-1428,692	6,885E-16
38	36	ENVELOPE_ ULS	Combination	Min	-516,682	-6,968E-14	1446,647	-7,189E-16
38	24	ENVELOPE_ ULS	Combination	Min	415,729	-6,384E-17	-1529,414	-4,686E-14
39	1	USL1	Combination		-859,064	-1,460E-14	1086,343	5,667E-14
39	36	USL1	Combination		859,064	1,460E-14	-1046,865	-3,450E-14
39	1	ULS2	Combination		-775,048	7,229E-16	1029,842	-1,613E-15
39	36	ULS2	Combination		775,048	-7,229E-16	-990,363	5,797E-16
39	1	ENVELOPE_ ULS	Combination	Max	-775,048	7,229E-16	1086,343	5,667E-14
39	36	ENVELOPE_ ULS	Combination	Max	859,064	1,460E-14	-990,363	5,797E-16
39	1	ENVELOPE_ ULS	Combination	Min	-859,064	-1,460E-14	1029,842	-1,613E-15
39	36	ENVELOPE_ ULS	Combination	Min	775,048	-7,229E-16	-1046,865	-3,450E-14
40	9	USL1	Combination		738,448	-1,979E-14	1082,862	-5,491E-14
40	35	USL1	Combination		-738,448	1,979E-14	-1043,908	8,616E-14
40	9	ULS2	Combination		652,505	-2,911E-15	1025,747	-2,282E-15
40	35	ULS2	Combination		-652,505	2,911E-15	-986,794	6,441E-15
40	9	ENVELOPE_ ULS	Combination	Max	738,448	-2,911E-15	1082,862	-2,282E-15
40	35	ENVELOPE_ ULS	Combination	Max	-652,505	1,979E-14	-986,794	8,616E-14
40	9	ENVELOPE_ ULS	Combination	Min	652,505	-1,979E-14	1025,747	-5,491E-14
40	35	ENVELOPE_ ULS	Combination	Min	-738,448	2,911E-15	-1043,908	6,441E-15
41	33	USL1	Combination		122,820	7,280E-16	41,192	2,888E-14
41	38	USL1	Combination		-122,820	2,870E-15	-63,720	-2,888E-14
41	33	ULS2	Combination		241,660	-2,848E-15	107,412	-3,092E-15
41	38	ULS2	Combination		-241,660	2,848E-15	-100,557	3,092E-15
41	33	ENVELOPE_ ULS	Combination	Max	241,660	7,280E-16	107,412	2,888E-14
41	38	ENVELOPE_ ULS	Combination	Max	-122,820	2,870E-15	-63,720	3,092E-15
41	33	ENVELOPE_ ULS	Combination	Min	122,820	-2,848E-15	41,192	-3,092E-15
41	38	ENVELOPE_ ULS	Combination	Min	-241,660	2,848E-15	-100,557	-2,888E-14
42	38	USL1	Combination		117,520	-6,377E-15	140,776	2,355E-14
42	9	USL1	Combination		-117,520	9,976E-15	-163,304	-2,355E-14
42	38	ULS2	Combination		236,360	-2,848E-15	205,747	-3,092E-15

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
42	9	ULS2	Combination		-236,360	2,848E-15	-198,892	3,092E-15
42	38	ENVELOPE_ ULS	Combination	Max	236,360	-2,848E-15	205,747	2,355E-14
42	9	ENVELOPE_ ULS	Combination	Max	-117,520	9,976E-15	-163,304	3,092E-15
42	38	ENVELOPE_ ULS	Combination	Min	117,520	-6,377E-15	140,776	-3,092E-15
42	9	ENVELOPE_ ULS	Combination	Min	-236,360	2,848E-15	-198,892	-2,355E-14
43	9	USL1	Combination		-626,228	6,123E-15	-841,455	7,849E-14
43	39	USL1	Combination		705,667	-1,080E-15	822,032	-8,057E-14
43	9	ULS2	Combination		-421,445	6,384E-17	-720,745	-8,101E-16
43	39	ULS2	Combination		474,037	-6,384E-17	732,541	8,309E-16
43	9	ENVELOPE_ ULS	Combination	Max	-421,445	6,123E-15	-720,745	7,849E-14
43	39	ENVELOPE_ ULS	Combination	Max	705,667	-6,384E-17	822,032	8,309E-16
43	9	ENVELOPE_ ULS	Combination	Min	-626,228	6,384E-17	-841,455	-8,101E-16
43	39	ENVELOPE_ ULS	Combination	Min	474,037	-1,080E-15	732,541	-8,057E-14
44	39	USL1	Combination		-710,967	-1,422E-14	-743,000	7,375E-14
44	8	USL1	Combination		792,829	1,944E-14	722,476	-8,078E-14
44	39	ULS2	Combination		-479,337	6,384E-17	-625,672	-8,309E-16
44	8	ULS2	Combination		533,405	-6,384E-17	637,468	8,518E-16
44	39	ENVELOPE_ ULS	Combination	Max	-479,337	6,384E-17	-625,672	7,375E-14
44	8	ENVELOPE_ ULS	Combination	Max	792,829	1,944E-14	722,476	8,518E-16
44	39	ENVELOPE_ ULS	Combination	Min	-710,967	-1,422E-14	-743,000	-8,309E-16
44	8	ENVELOPE_ ULS	Combination	Min	533,405	-6,384E-17	637,468	-8,078E-14
45	8	USL1	Combination		-798,129	5,398E-15	-642,468	8,145E-14
45	40	USL1	Combination		875,484	-3,522E-17	616,453	-8,051E-14
45	8	ULS2	Combination		-538,705	6,384E-17	-529,812	-8,518E-16
45	40	ULS2	Combination		593,911	-6,384E-17	541,570	8,679E-16
45	8	ENVELOPE_ ULS	Combination	Max	-538,705	5,398E-15	-529,812	8,145E-14
45	40	ENVELOPE_ ULS	Combination	Max	875,484	-3,522E-17	616,453	8,679E-16
45	8	ENVELOPE_ ULS	Combination	Min	-798,129	6,384E-17	-642,468	-8,518E-16
45	40	ENVELOPE_ ULS	Combination	Min	593,911	-6,384E-17	541,570	-8,051E-14
46	40	USL1	Combination		-880,784	1,701E-14	-535,278	7,805E-14
46	7	USL1	Combination		959,867	-1,151E-14	508,272	-7,450E-14
46	40	ULS2	Combination		-599,211	6,384E-17	-432,961	-8,679E-16
46	7	ULS2	Combination		655,564	-6,384E-17	444,719	8,840E-16
46	40	ENVELOPE_ ULS	Combination	Max	-599,211	1,701E-14	-432,961	7,805E-14
46	7	ENVELOPE_ ULS	Combination	Max	959,867	-6,384E-17	508,272	8,840E-16
46	40	ENVELOPE_ ULS	Combination	Min	-880,784	6,384E-17	-535,278	-8,679E-16
46	7	ENVELOPE_ ULS	Combination	Min	655,564	-1,151E-14	444,719	-7,450E-14
47	7	USL1	Combination		-965,167	6,593E-14	-425,834	6,807E-14
47	41	USL1	Combination		1036,985	-6,031E-14	394,077	-6,157E-14
47	7	ULS2	Combination		-660,864	6,384E-17	-335,051	-8,840E-16
47	41	ULS2	Combination		718,164	-6,384E-17	346,814	8,941E-16
47	7	ENVELOPE_ ULS	Combination	Max	-660,864	6,593E-14	-335,051	6,807E-14

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
47	41	ENVELOPE_	Combination	Max	1036,985	-6,384E-17	394,077	8,941E-16
		ULS						
47	7	ENVELOPE_	Combination	Min	-965,167	6,384E-17	-425,834	-8,840E-16
		ULS						
47	41	ENVELOPE_	Combination	Min	718,164	-6,031E-14	346,814	-6,157E-14
		ULS						
48	41	USL1	Combination		-1042,285	4,376E-14	-310,167	6,353E-14
48	6	USL1	Combination		1115,025	-3,806E-14	277,747	-5,557E-14
48	41	ULS2	Combination		-723,464	6,384E-17	-235,861	-8,941E-16
48	6	ULS2	Combination		781,464	-6,384E-17	247,624	9,042E-16
48	41	ENVELOPE_	Combination	Max	-723,464	4,376E-14	-235,861	6,353E-14
		ULS						
48	6	ENVELOPE_	Combination	Max	1115,025	-6,384E-17	277,747	9,042E-16
		ULS						
48	41	ENVELOPE_	Combination	Min	-1042,285	6,384E-17	-310,167	-8,941E-16
		ULS						
48	6	ENVELOPE_	Combination	Min	781,464	-3,806E-14	247,624	-5,557E-14
		ULS						
49	6	USL1	Combination		-1120,325	4,659E-14	-192,244	5,003E-14
49	42	USL1	Combination		1187,023	-4,057E-14	155,658	-4,952E-14
49	6	ULS2	Combination		-786,764	6,384E-17	-135,227	-9,042E-16
49	42	ULS2	Combination		848,118	-6,384E-17	147,519	9,078E-16
49	6	ENVELOPE_	Combination	Max	-786,764	4,659E-14	-135,227	5,003E-14
		ULS						
49	42	ENVELOPE_	Combination	Max	1187,023	-6,384E-17	155,658	9,078E-16
		ULS						
49	6	ENVELOPE_	Combination	Min	-1120,325	6,384E-17	-192,244	-9,042E-16
		ULS						
49	42	ENVELOPE_	Combination	Min	848,118	-4,057E-14	147,519	-4,952E-14
		ULS						
50	42	USL1	Combination		-1192,323	1,908E-14	-68,325	4,969E-14
50	5	USL1	Combination		1259,806	-1,302E-14	31,480	-4,930E-14
50	42	ULS2	Combination		-853,418	6,384E-17	-33,386	-9,078E-16
50	5	ULS2	Combination		915,528	-6,384E-17	45,678	9,114E-16
50	42	ENVELOPE_	Combination	Max	-853,418	1,908E-14	-33,386	4,969E-14
		ULS						
50	5	ENVELOPE_	Combination	Max	1259,806	-6,384E-17	45,678	9,114E-16
		ULS						
50	42	ENVELOPE_	Combination	Min	-1192,323	6,384E-17	-68,325	-9,078E-16
		ULS						
50	5	ENVELOPE_	Combination	Min	915,528	-1,302E-14	31,480	-4,930E-14
		ULS						
51	5	USL1	Combination		-1265,106	8,559E-14	57,818	4,387E-14
51	43	USL1	Combination		1260,110	-7,975E-14	-93,368	-5,130E-14
51	5	ULS2	Combination		-920,828	6,384E-17	70,386	-9,114E-16
51	43	ULS2	Combination		920,828	-6,384E-17	-58,532	9,080E-16
51	5	ENVELOPE_	Combination	Max	-920,828	8,559E-14	70,386	4,387E-14
		ULS						
51	43	ENVELOPE_	Combination	Max	1260,110	-6,384E-17	-58,532	9,080E-16
		ULS						
51	5	ENVELOPE_	Combination	Min	-1265,106	6,384E-17	57,818	-9,114E-16
		ULS						
51	43	ENVELOPE_	Combination	Min	920,828	-7,975E-14	-93,368	-5,130E-14
		ULS						
52	43	USL1	Combination		-1265,410	5,360E-14	184,629	4,670E-14
52	4	USL1	Combination		1260,441	-4,779E-14	-219,928	-4,792E-14
52	43	ULS2	Combination		-926,128	6,384E-17	176,601	-9,080E-16
52	4	ULS2	Combination		926,128	-6,384E-17	-164,747	9,047E-16
52	43	ENVELOPE_	Combination	Max	-926,128	5,360E-14	184,629	4,670E-14
		ULS						
52	4	ENVELOPE_	Combination	Max	1260,441	-6,384E-17	-164,747	9,047E-16
		ULS						

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
52	43	ENVELOPE_ ULS	Combination	Min	-1265,410	6,384E-17	176,601	-9,080E-16
52	4	ENVELOPE_ ULS	Combination	Min	926,128	-4,779E-14	-219,928	-4,792E-14
53	4	USL1	Combination		-1265,741	1,803E-14	313,270	4,741E-14
53	44	USL1	Combination		1251,298	-1,231E-14	-345,881	-5,921E-14
53	4	ULS2	Combination		-931,428	6,384E-17	284,996	-9,047E-16
53	44	ULS2	Combination		931,428	-6,384E-17	-273,204	8,948E-16
53	4	ENVELOPE_ ULS	Combination	Max	-931,428	1,803E-14	313,270	4,741E-14
53	44	ENVELOPE_ ULS	Combination	Max	1251,298	-6,384E-17	-273,204	8,948E-16
53	4	ENVELOPE_ ULS	Combination	Min	-1265,741	6,384E-17	284,996	-9,047E-16
53	44	ENVELOPE_ ULS	Combination	Min	931,428	-1,231E-14	-345,881	-5,921E-14
54	44	USL1	Combination		-1256,598	1,263E-13	441,263	5,953E-14
54	3	USL1	Combination		1242,373	-1,207E-13	-473,208	-7,232E-14
54	44	ULS2	Combination		-936,728	6,384E-17	395,650	-8,948E-16
54	3	ULS2	Combination		936,728	-6,384E-17	-383,858	8,849E-16
54	44	ENVELOPE_ ULS	Combination	Max	-936,728	1,263E-13	441,263	5,953E-14
54	3	ENVELOPE_ ULS	Combination	Max	1242,373	-6,384E-17	-383,858	8,849E-16
54	44	ENVELOPE_ ULS	Combination	Min	-1256,598	6,384E-17	395,650	-8,948E-16
54	3	ENVELOPE_ ULS	Combination	Min	936,728	-1,207E-13	-473,208	-7,232E-14
55	3	USL1	Combination		-1247,673	4,725E-14	570,743	7,055E-14
55	45	USL1	Combination		1225,119	-4,172E-14	-598,012	-8,006E-14
55	3	ULS2	Combination		-942,028	6,384E-17	508,654	-8,849E-16
55	45	ULS2	Combination		942,028	-6,384E-17	-496,848	8,689E-16
55	3	ENVELOPE_ ULS	Combination	Max	-942,028	4,725E-14	570,743	7,055E-14
55	45	ENVELOPE_ ULS	Combination	Max	1225,119	-6,384E-17	-496,848	8,689E-16
55	3	ENVELOPE_ ULS	Combination	Min	-1247,673	6,384E-17	508,654	-8,849E-16
55	45	ENVELOPE_ ULS	Combination	Min	942,028	-4,172E-14	-598,012	-8,006E-14
56	45	USL1	Combination		-1230,419	-3,009E-14	697,574	8,473E-14
56	2	USL1	Combination		1208,441	3,548E-14	-723,846	-8,585E-14
56	45	ULS2	Combination		-947,328	6,384E-17	623,886	-8,689E-16
56	2	ULS2	Combination		947,328	-6,384E-17	-612,081	8,529E-16
56	45	ENVELOPE_ ULS	Combination	Max	-947,328	6,384E-17	697,574	8,473E-14
56	2	ENVELOPE_ ULS	Combination	Max	1208,441	3,548E-14	-612,081	8,529E-16
56	45	ENVELOPE_ ULS	Combination	Min	-1230,419	-3,009E-14	623,886	-8,689E-16
56	2	ENVELOPE_ ULS	Combination	Min	947,328	-6,384E-17	-723,846	-8,585E-14
57	2	USL1	Combination		-1213,741	-3,372E-14	825,553	7,827E-14
57	46	USL1	Combination		1185,171	3,895E-14	-845,483	-7,185E-14
57	2	ULS2	Combination		-952,628	6,384E-17	741,491	-8,529E-16
57	46	ULS2	Combination		952,628	-6,384E-17	-729,671	8,315E-16
57	2	ENVELOPE_ ULS	Combination	Max	-952,628	6,384E-17	825,553	7,827E-14
57	46	ENVELOPE_ ULS	Combination	Max	1185,171	3,895E-14	-729,671	8,315E-16
57	2	ENVELOPE_ ULS	Combination	Min	-1213,741	-3,372E-14	741,491	-8,529E-16

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
57	46	ENVELOPE_	Combination	Min	952,628	-6,384E-17	-845,483	-7,185E-14
		ULS						
58	46	USL1	Combination		-1190,471	-1,427E-14	949,117	6,719E-14
58	1	USL1	Combination		1162,874	1,932E-14	-967,966	-6,633E-14
58	46	ULS2	Combination		-957,928	6,384E-17	861,203	-8,315E-16
58	1	ULS2	Combination		957,928	-6,384E-17	-849,384	8,101E-16
58	46	ENVELOPE_	Combination	Max	-957,928	6,384E-17	949,117	6,719E-14
		ULS						
58	1	ENVELOPE_	Combination	Max	1162,874	1,932E-14	-849,384	8,101E-16
		ULS						
58	46	ENVELOPE_	Combination	Min	-1190,471	-1,427E-14	861,203	-8,315E-16
		ULS						
58	1	ENVELOPE_	Combination	Min	957,928	-6,384E-17	-967,966	-6,633E-14
		ULS						
59	1	USL1	Combination		-309,110	-2,541E-14	-12,681	1,857E-14
59	47	USL1	Combination		309,110	2,920E-14	-11,035	-1,857E-14
59	1	ULS2	Combination		-188,180	-6,591E-16	-46,686	8,025E-16
59	47	ULS2	Combination		188,180	6,591E-16	53,902	-8,025E-16
59	1	ENVELOPE_	Combination	Max	-188,180	-6,591E-16	-12,681	1,857E-14
		ULS						
59	47	ENVELOPE_	Combination	Max	309,110	2,920E-14	53,902	-8,025E-16
		ULS						
59	1	ENVELOPE_	Combination	Min	-309,110	-2,541E-14	-46,686	8,025E-16
		ULS						
59	47	ENVELOPE_	Combination	Min	188,180	6,591E-16	-11,035	-1,857E-14
		ULS						
60	47	USL1	Combination		-314,410	-1,430E-15	118,879	1,679E-14
60	34	USL1	Combination		314,410	5,218E-15	-142,595	-1,679E-14
60	47	ULS2	Combination		-193,480	-6,591E-16	82,157	8,025E-16
60	34	ULS2	Combination		193,480	6,591E-16	-74,941	-8,025E-16
60	47	ENVELOPE_	Combination	Max	-193,480	-6,591E-16	118,879	1,679E-14
		ULS						
60	34	ENVELOPE_	Combination	Max	314,410	5,218E-15	-74,941	-8,025E-16
		ULS						
60	47	ENVELOPE_	Combination	Min	-314,410	-1,430E-15	82,157	8,025E-16
		ULS						
60	34	ENVELOPE_	Combination	Min	193,480	6,591E-16	-142,595	-1,679E-14
		ULS						
61	34	USL1	Combination		-319,710	1,189E-14	252,705	1,498E-14
61	48	USL1	Combination		319,710	-8,105E-15	-276,420	-1,489E-14
61	34	ULS2	Combination		-198,780	-6,591E-16	213,381	8,025E-16
61	48	ULS2	Combination		198,780	6,591E-16	-206,164	-8,025E-16
61	34	ENVELOPE_	Combination	Max	-198,780	1,189E-14	252,705	1,498E-14
		ULS						
61	48	ENVELOPE_	Combination	Max	319,710	6,591E-16	-206,164	-8,025E-16
		ULS						
61	34	ENVELOPE_	Combination	Min	-319,710	-6,591E-16	213,381	8,025E-16
		ULS						
61	48	ENVELOPE_	Combination	Min	198,780	-8,105E-15	-276,420	-1,489E-14
		ULS						
62	48	USL1	Combination		-325,010	1,989E-14	388,883	2,209E-14
62	10	USL1	Combination		325,010	-1,610E-14	-412,598	-2,199E-14
62	48	ULS2	Combination		-204,080	-6,591E-16	347,059	8,025E-16
62	10	ULS2	Combination		204,080	6,591E-16	-339,842	-8,025E-16
62	48	ENVELOPE_	Combination	Max	-204,080	1,989E-14	388,883	2,209E-14
		ULS						
62	10	ENVELOPE_	Combination	Max	325,010	6,591E-16	-339,842	-8,025E-16
		ULS						
62	48	ENVELOPE_	Combination	Min	-325,010	-6,591E-16	347,059	8,025E-16
		ULS						
62	10	ENVELOPE_	Combination	Min	204,080	-1,610E-14	-412,598	-2,199E-14
		ULS						
63	31	USL1	Combination		162,084	-1,770E-14	-1122,274	-2,847E-13

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
63	49	USL1	Combination		-108,997	1,770E-14	1140,229	2,599E-13
63	31	ULS2	Combination		83,501	6,384E-17	-1022,088	-5,061E-16
63	49	ULS2	Combination		-49,618	-6,384E-17	1040,043	5,365E-16
63	31	ENVELOPE_ ULS	Combination	Max	162,084	6,384E-17	-1022,088	-5,061E-16
63	49	ENVELOPE_ ULS	Combination	Max	-49,618	1,770E-14	1140,229	2,599E-13
63	31	ENVELOPE_ ULS	Combination	Min	83,501	-1,770E-14	-1122,274	-2,847E-13
63	49	ENVELOPE_ ULS	Combination	Min	-108,997	-6,384E-17	1040,043	5,365E-16
64	49	USL1	Combination		103,697	-1,563E-13	-1140,229	-2,670E-13
64	30	USL1	Combination		-46,537	1,563E-13	1158,184	1,818E-13
64	49	ULS2	Combination		44,318	6,384E-17	-1040,043	-5,365E-16
64	30	ULS2	Combination		-8,387	-6,384E-17	1057,998	5,669E-16
64	49	ENVELOPE_ ULS	Combination	Max	103,697	6,384E-17	-1040,043	-5,365E-16
64	30	ENVELOPE_ ULS	Combination	Max	-8,387	1,563E-13	1158,184	1,818E-13
64	49	ENVELOPE_ ULS	Combination	Min	44,318	-1,563E-13	-1140,229	-2,670E-13
64	30	ENVELOPE_ ULS	Combination	Min	-46,537	-6,384E-17	1057,998	5,669E-16
65	30	USL1	Combination		41,237	-1,669E-13	-1158,184	-1,818E-13
65	50	USL1	Combination		19,994	1,669E-13	1176,139	9,652E-14
65	30	ULS2	Combination		3,087	6,384E-17	-1057,998	-5,669E-16
65	50	ULS2	Combination		34,892	-6,384E-17	1075,953	5,973E-16
65	30	ENVELOPE_ ULS	Combination	Max	41,237	6,384E-17	-1057,998	-5,669E-16
65	50	ENVELOPE_ ULS	Combination	Max	34,892	1,669E-13	1176,139	9,652E-14
65	30	ENVELOPE_ ULS	Combination	Min	3,087	-1,669E-13	-1158,184	-1,818E-13
65	50	ENVELOPE_ ULS	Combination	Min	19,994	-6,384E-17	1075,953	5,973E-16
66	50	USL1	Combination		-25,294	-9,586E-14	-1176,139	-8,586E-14
66	29	USL1	Combination		90,598	9,586E-14	1194,094	6,102E-14
66	50	ULS2	Combination		-40,192	6,384E-17	-1075,953	-5,973E-16
66	29	ULS2	Combination		80,219	-6,384E-17	1093,908	6,277E-16
66	50	ENVELOPE_ ULS	Combination	Max	-25,294	6,384E-17	-1075,953	-5,973E-16
66	29	ENVELOPE_ ULS	Combination	Max	90,598	9,586E-14	1194,094	6,102E-14
66	50	ENVELOPE_ ULS	Combination	Min	-40,192	-9,586E-14	-1176,139	-8,586E-14
66	29	ENVELOPE_ ULS	Combination	Min	80,219	-6,384E-17	1093,908	6,277E-16
67	29	USL1	Combination		-95,898	-1,030E-13	-1194,094	-6,458E-14
67	51	USL1	Combination		165,273	1,030E-13	1212,049	6,581E-16
67	29	ULS2	Combination		-85,519	6,384E-17	-1093,908	-6,277E-16
67	51	ULS2	Combination		127,581	-6,384E-17	1111,863	6,581E-16
67	29	ENVELOPE_ ULS	Combination	Max	-85,519	6,384E-17	-1093,908	-6,277E-16
67	51	ENVELOPE_ ULS	Combination	Max	165,273	1,030E-13	1212,049	6,581E-16
67	29	ENVELOPE_ ULS	Combination	Min	-95,898	-1,030E-13	-1194,094	-6,458E-14
67	51	ENVELOPE_ ULS	Combination	Min	127,581	-6,384E-17	1111,863	6,581E-16
68	51	USL1	Combination		-170,573	-1,101E-13	-1212,049	1,355E-14
68	28	USL1	Combination		244,020	1,101E-13	1230,004	-7,037E-14
68	51	ULS2	Combination		-132,881	6,384E-17	-1111,863	-6,581E-16

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
68	28	ULS2	Combination		176,968	-6,384E-17	1129,817	6,885E-16
68	51	ENVELOPE_ ULS	Combination	Max	-132,881	6,384E-17	-1111,863	1,355E-14
68	28	ENVELOPE_ ULS	Combination	Max	244,020	1,101E-13	1230,004	6,885E-16
68	51	ENVELOPE_ ULS	Combination	Min	-170,573	-1,101E-13	-1212,049	-6,581E-16
68	28	ENVELOPE_ ULS	Combination	Min	176,968	-6,384E-17	1129,817	-7,037E-14
69	27	USL1	Combination		319,418	-2,239E-14	-213,028	1,374E-14
69	52	USL1	Combination		-233,755	2,239E-14	222,005	-2,753E-14
69	27	ULS2	Combination		365,344	-2,848E-15	-169,956	-5,804E-15
69	52	ULS2	Combination		-315,126	2,848E-15	178,934	4,448E-15
69	27	ENVELOPE_ ULS	Combination	Max	365,344	-2,848E-15	-169,956	1,374E-14
69	52	ENVELOPE_ ULS	Combination	Max	-233,755	2,239E-14	222,005	4,448E-15
69	27	ENVELOPE_ ULS	Combination	Min	319,418	-2,239E-14	-213,028	-5,804E-15
69	52	ENVELOPE_ ULS	Combination	Min	-315,126	2,848E-15	178,934	-2,753E-14
70	52	USL1	Combination		228,455	-1,528E-14	-222,005	1,687E-14
70	32	USL1	Combination		-138,720	1,528E-14	230,983	-2,888E-14
70	52	ULS2	Combination		309,826	-2,848E-15	-178,934	-4,448E-15
70	32	ULS2	Combination		-257,560	2,848E-15	187,911	3,092E-15
70	52	ENVELOPE_ ULS	Combination	Max	309,826	-2,848E-15	-178,934	1,687E-14
70	32	ENVELOPE_ ULS	Combination	Max	-138,720	1,528E-14	230,983	3,092E-15
70	52	ENVELOPE_ ULS	Combination	Min	228,455	-1,528E-14	-222,005	-4,448E-15
70	32	ENVELOPE_ ULS	Combination	Min	-257,560	2,848E-15	187,911	-2,888E-14
71	10	USL1	Combination		-199,288	-1,146E-14	527,436	2,721E-14
71	53	USL1	Combination		157,859	1,605E-14	-518,459	-2,742E-14
71	10	ULS2	Combination		-79,471	-6,591E-16	483,216	8,025E-16
71	53	ULS2	Combination		75,511	6,591E-16	-474,238	-4,886E-16
71	10	ENVELOPE_ ULS	Combination	Max	-79,471	-6,591E-16	527,436	2,721E-14
71	53	ENVELOPE_ ULS	Combination	Max	157,859	1,605E-14	-474,238	-4,886E-16
71	10	ENVELOPE_ ULS	Combination	Min	-199,288	-1,146E-14	483,216	8,025E-16
71	53	ENVELOPE_ ULS	Combination	Min	75,511	6,591E-16	-518,459	-2,742E-14
72	53	USL1	Combination		-24,362	4,129E-15	518,459	4,201E-14
72	23	USL1	Combination		-15,043	2,119E-16	-509,481	-5,452E-14
72	53	ULS2	Combination		57,423	-6,591E-16	474,238	4,886E-16
72	23	ULS2	Combination		-61,383	6,591E-16	-465,261	-1,747E-16
72	53	ENVELOPE_ ULS	Combination	Max	57,423	4,129E-15	518,459	4,201E-14
72	23	ENVELOPE_ ULS	Combination	Max	-15,043	6,591E-16	-465,261	-1,747E-16
72	53	ENVELOPE_ ULS	Combination	Min	-24,362	-6,591E-16	474,238	4,886E-16
72	23	ENVELOPE_ ULS	Combination	Min	-61,383	2,119E-16	-509,481	-5,452E-14
73	24	USL1	Combination		-325,569	-1,128E-14	1529,414	5,434E-14
73	54	USL1	Combination		292,248	1,488E-14	-1511,459	-4,990E-14
73	24	ULS2	Combination		-259,635	6,384E-17	1428,692	-6,885E-16
73	54	ULS2	Combination		255,674	-6,384E-17	-1410,737	6,581E-16
73	24	ENVELOPE_ ULS	Combination	Max	-259,635	6,384E-17	1529,414	5,434E-14

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
73	54	ENVELOPE_ ULS	Combination	Max	292,248	1,488E-14	-1410,737	6,581E-16
73	24	ENVELOPE_ ULS	Combination	Min	-325,569	-1,128E-14	1428,692	-6,885E-16
73	54	ENVELOPE_ ULS	Combination	Min	255,674	-6,384E-17	-1511,459	-4,990E-14
74	54	USL1	Combination		-129,487	-5,365E-14	1511,459	5,780E-14
74	25	USL1	Combination		98,213	5,700E-14	-1493,504	-1,802E-14
74	54	ULS2	Combination		-92,471	6,384E-17	1410,737	-6,581E-16
74	25	ULS2	Combination		88,510	-6,384E-17	-1392,782	6,277E-16
74	54	ENVELOPE_ ULS	Combination	Max	-92,471	6,384E-17	1511,459	5,780E-14
74	25	ENVELOPE_ ULS	Combination	Max	98,213	5,700E-14	-1392,782	6,277E-16
74	54	ENVELOPE_ ULS	Combination	Min	-129,487	-5,365E-14	1410,737	-6,581E-16
74	25	ENVELOPE_ ULS	Combination	Min	88,510	-6,384E-17	-1493,504	-1,802E-14
75	25	USL1	Combination		71,638	-2,273E-14	1493,504	2,104E-14
75	55	USL1	Combination		-100,875	2,583E-14	-1475,549	3,846E-18
75	25	ULS2	Combination		81,809	6,384E-17	1392,782	-6,277E-16
75	55	ULS2	Combination		-85,770	-6,384E-17	-1374,827	5,973E-16
75	25	ENVELOPE_ ULS	Combination	Max	81,809	6,384E-17	1493,504	2,104E-14
75	55	ENVELOPE_ ULS	Combination	Max	-85,770	2,583E-14	-1374,827	5,973E-16
75	25	ENVELOPE_ ULS	Combination	Min	71,638	-2,273E-14	1392,782	-6,277E-16
75	55	ENVELOPE_ ULS	Combination	Min	-100,875	-6,384E-17	-1475,549	3,846E-18
76	55	USL1	Combination		277,920	-1,537E-14	1475,549	3,024E-15
76	26	USL1	Combination		-305,133	1,821E-14	-1457,594	3,627E-15
76	55	ULS2	Combination		263,230	6,384E-17	1374,827	-5,973E-16
76	26	ULS2	Combination		-267,190	-6,384E-17	-1356,872	5,669E-16
76	55	ENVELOPE_ ULS	Combination	Max	277,920	6,384E-17	1475,549	3,024E-15
76	26	ENVELOPE_ ULS	Combination	Max	-267,190	1,821E-14	-1356,872	3,627E-15
76	55	ENVELOPE_ ULS	Combination	Min	263,230	-1,537E-14	1374,827	-5,973E-16
76	26	ENVELOPE_ ULS	Combination	Min	-305,133	-6,384E-17	-1457,594	5,669E-16
77	26	USL1	Combination		489,465	-8,037E-15	1457,594	1,442E-15
77	56	USL1	Combination		-514,654	1,064E-14	-1439,639	5,044E-15
77	26	ULS2	Combination		451,804	6,384E-17	1356,872	-5,669E-16
77	56	ULS2	Combination		-455,764	-6,384E-17	-1338,917	5,365E-16
77	26	ENVELOPE_ ULS	Combination	Max	489,465	6,384E-17	1457,594	1,442E-15
77	56	ENVELOPE_ ULS	Combination	Max	-455,764	1,064E-14	-1338,917	5,044E-15
77	26	ENVELOPE_ ULS	Combination	Min	451,804	-8,037E-15	1356,872	-5,669E-16
77	56	ENVELOPE_ ULS	Combination	Min	-514,654	-6,384E-17	-1439,639	5,365E-16
78	56	USL1	Combination		706,317	-7,653E-16	1439,639	8,445E-15
78	11	USL1	Combination		-729,482	3,117E-15	-1421,684	-5,650E-15
78	56	ULS2	Combination		647,504	6,384E-17	1338,917	-5,365E-16
78	11	ULS2	Combination		-651,464	-6,384E-17	-1320,962	5,061E-16
78	56	ENVELOPE_ ULS	Combination	Max	706,317	6,384E-17	1439,639	8,445E-15
78	11	ENVELOPE_ ULS	Combination	Max	-651,464	3,117E-15	-1320,962	5,061E-16

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
78	56	ENVELOPE_ ULS	Combination	Min	647,504	-7,653E-16	1338,917	-5,365E-16
78	11	ENVELOPE_ ULS	Combination	Min	-729,482	-6,384E-17	-1421,684	-5,650E-15

Table: Element Joint Forces - Frames, Part 2 of 2

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem
1	28	USL1		-826,0849	-1,572E-13	1-1
1	35	USL1		963,1201	1,572E-13	1-1
1	28	ULS2		-986,5939	-9,093E-16	1-1
1	35	ULS2		1084,2997	9,093E-16	1-1
1	28	ENVELOPE_ ULS	Max	-826,0849	-9,093E-16	1-1
1	35	ENVELOPE_ ULS	Max	1084,2997	1,572E-13	1-1
1	28	ENVELOPE_ ULS	Min	-986,5939	-1,572E-13	1-1
1	35	ENVELOPE_ ULS	Min	963,1201	9,093E-16	1-1
2	11	USL1		-708,3639	3,172E-14	2-1
2	12	USL1		415,0689	-3,788E-14	2-1
2	11	ULS2		-833,1104	-2,585E-16	2-1
2	12	ULS2		534,2649	3,107E-16	2-1
2	11	ENVELOPE_ ULS	Max	-708,3639	3,172E-14	2-1
2	12	ENVELOPE_ ULS	Max	534,2649	3,107E-16	2-1
2	11	ENVELOPE_ ULS	Min	-833,1104	-2,585E-16	2-1
2	12	ENVELOPE_ ULS	Min	415,0689	-3,788E-14	2-1
3	12	USL1		-415,0689	3,877E-14	3-1
3	13	USL1		336,9657	-4,583E-14	3-1
3	12	ULS2		-534,2649	-3,107E-16	3-1
3	13	ULS2		416,3093	3,570E-16	3-1
3	12	ENVELOPE_ ULS	Max	-415,0689	3,877E-14	3-1
3	13	ENVELOPE_ ULS	Max	416,3093	3,570E-16	3-1
3	12	ENVELOPE_ ULS	Min	-534,2649	-3,107E-16	3-1
3	13	ENVELOPE_ ULS	Min	336,9657	-4,583E-14	3-1
4	13	USL1		-336,9657	3,894E-14	4-1
4	14	USL1		338,4915	-4,045E-14	4-1
4	13	ULS2		-416,3093	-3,570E-16	4-1
4	14	ULS2		360,7809	4,037E-16	4-1
4	13	ENVELOPE_ ULS	Max	-336,9657	3,894E-14	4-1
4	14	ENVELOPE_ ULS	Max	360,7809	4,037E-16	4-1
4	13	ENVELOPE_ ULS	Min	-416,3093	-3,570E-16	4-1
4	14	ENVELOPE_ ULS	Min	338,4915	-4,045E-14	4-1
5	14	USL1		-338,4915	5,078E-14	5-1
5	15	USL1		227,7572	-4,573E-14	5-1
5	14	ULS2		-360,7809	-4,037E-16	5-1

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem
5	15	ULS2		201,2143	4,578E-16	5-1
5	14	ENVELOPE_ ULS	Max	-338,4915	5,078E-14	5-1
5	15	ENVELOPE_ ULS	Max	227,7572	4,578E-16	5-1
5	14	ENVELOPE_ ULS	Min	-360,7809	-4,037E-16	5-1
5	15	ENVELOPE_ ULS	Min	201,2143	-4,573E-14	5-1
6	15	USL1		-227,7572	3,851E-14	6-1
6	16	USL1		8,7516	-7,231E-14	6-1
6	15	ULS2		-201,2143	-4,578E-16	6-1
6	16	ULS2		-50,4461	5,175E-16	6-1
6	15	ENVELOPE_ ULS	Max	-201,2143	3,851E-14	6-1
6	16	ENVELOPE_ ULS	Max	8,7516	5,175E-16	6-1
6	15	ENVELOPE_ ULS	Min	-227,7572	-4,578E-16	6-1
6	16	ENVELOPE_ ULS	Min	-50,4461	-7,231E-14	6-1
7	16	USL1		-8,7516	7,825E-14	7-1
7	17	USL1		-112,7948	-1,069E-13	7-1
7	16	ULS2		50,4461	-5,175E-16	7-1
7	17	ULS2		-184,2980	5,839E-16	7-1
7	16	ENVELOPE_ ULS	Max	50,4461	7,825E-14	7-1
7	17	ENVELOPE_ ULS	Max	-112,7948	5,839E-16	7-1
7	16	ENVELOPE_ ULS	Min	-8,7516	-5,175E-16	7-1
7	17	ENVELOPE_ ULS	Min	-184,2980	-1,069E-13	7-1
8	17	USL1		112,7948	1,004E-13	8-1
8	18	USL1		-300,8766	-7,840E-14	8-1
8	17	ULS2		184,2980	-5,839E-16	8-1
8	18	ULS2		-359,1722	6,526E-16	8-1
8	17	ENVELOPE_ ULS	Max	184,2980	1,004E-13	8-1
8	18	ENVELOPE_ ULS	Max	-300,8766	6,526E-16	8-1
8	17	ENVELOPE_ ULS	Min	112,7948	-5,839E-16	8-1
8	18	ENVELOPE_ ULS	Min	-359,1722	-7,840E-14	8-1
9	18	USL1		300,8766	8,150E-14	9-1
9	19	USL1		-270,5632	-7,656E-14	9-1
9	18	ULS2		359,1722	-6,526E-16	9-1
9	19	ULS2		-295,5269	7,119E-16	9-1
9	18	ENVELOPE_ ULS	Max	359,1722	8,150E-14	9-1
9	19	ENVELOPE_ ULS	Max	-270,5632	7,119E-16	9-1
9	18	ENVELOPE_ ULS	Min	300,8766	-6,526E-16	9-1
9	19	ENVELOPE_ ULS	Min	-295,5269	-7,656E-14	9-1
10	19	USL1		270,5632	8,677E-14	10-1
10	20	USL1		-223,9433	-2,632E-14	10-1
10	19	ULS2		295,5269	-7,119E-16	10-1
10	20	ULS2		-199,6376	7,656E-16	10-1
10	19	ENVELOPE_ ULS	Max	295,5269	8,677E-14	10-1

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2	M3	FrameElem
				KN-m	KN-m	
10	20	ENVELOPE_ ULS	Max	-199,6376	7,656E-16	10-1
10	19	ENVELOPE_ ULS	Min	270,5632	-7,119E-16	10-1
10	20	ENVELOPE_ ULS	Min	-223,9433	-2,632E-14	10-1
11	20	USL1		223,9433	4,387E-14	11-1
11	21	USL1		-131,8376	1,680E-14	11-1
11	20	ULS2		199,6376	-7,656E-16	11-1
11	21	ULS2		-50,5129	8,119E-16	11-1
11	20	ENVELOPE_ ULS	Max	223,9433	4,387E-14	11-1
11	21	ENVELOPE_ ULS	Max	-50,5129	1,680E-14	11-1
11	20	ENVELOPE_ ULS	Min	199,6376	-7,656E-16	11-1
11	21	ENVELOPE_ ULS	Min	-131,8376	8,119E-16	11-1
12	21	USL1		131,8376	-2,435E-14	12-1
12	22	USL1		144,7729	7,102E-14	12-1
12	21	ULS2		50,5129	-8,119E-16	12-1
12	22	ULS2		265,6077	8,579E-16	12-1
12	21	ENVELOPE_ ULS	Max	131,8376	-8,119E-16	12-1
12	22	ENVELOPE_ ULS	Max	265,6077	7,102E-14	12-1
12	21	ENVELOPE_ ULS	Min	50,5129	-2,435E-14	12-1
12	22	ENVELOPE_ ULS	Min	144,7729	8,579E-16	12-1
13	22	USL1		-144,7729	-8,479E-14	13-1
13	31	USL1		743,9265	1,608E-13	13-1
13	22	ULS2		-265,6077	-8,579E-16	13-1
13	31	ULS2		870,5562	9,093E-16	13-1
13	22	ENVELOPE_ ULS	Max	-144,7729	-8,579E-16	13-1
13	31	ENVELOPE_ ULS	Max	870,5562	1,608E-13	13-1
13	22	ENVELOPE_ ULS	Min	-265,6077	-8,479E-14	13-1
13	31	ENVELOPE_ ULS	Min	743,9265	9,093E-16	13-1
17	32	USL1		-94,3720	-4,995E-14	17-1
17	37	USL1		38,7459	5,371E-14	17-1
17	32	ULS2		-69,7124	6,125E-15	17-1
17	37	ULS2		35,5405	-5,034E-15	17-1
17	32	ENVELOPE_ ULS	Max	-69,7124	6,125E-15	17-1
17	37	ENVELOPE_ ULS	Max	38,7459	5,371E-14	17-1
17	32	ENVELOPE_ ULS	Min	-94,3720	-4,995E-14	17-1
17	37	ENVELOPE_ ULS	Min	35,5405	-5,034E-15	17-1
26	35	USL1		-488,0873	-4,672E-14	26-1
26	27	USL1		313,8513	4,672E-14	26-1
26	35	ULS2		-555,0879	6,125E-15	26-1
26	27	ULS2		367,0182	-6,125E-15	26-1
26	35	ENVELOPE_ ULS	Max	-488,0873	6,125E-15	26-1
26	27	ENVELOPE_ ULS	Max	367,0182	4,672E-14	26-1

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2	M3	FrameElem
				KN-m	KN-m	
26	35	ENVELOPE_ ULS	Min	-555,0879	-4,672E-14	26-1
26	27	ENVELOPE_ ULS	Min	313,8513	-6,125E-15	26-1
33	37	USL1		-38,7459	-4,749E-14	33-1
33	33	USL1		20,8777	4,591E-14	33-1
33	37	ULS2		-35,5405	5,034E-15	33-1
33	33	ULS2		38,1333	-3,944E-15	33-1
33	37	ENVELOPE_ ULS	Max	-35,5405	5,034E-15	33-1
33	33	ENVELOPE_ ULS	Max	38,1333	4,591E-14	33-1
33	37	ENVELOPE_ ULS	Min	-38,7459	-4,749E-14	33-1
33	33	ENVELOPE_ ULS	Min	20,8777	-3,944E-15	33-1
37	23	USL1		-74,9012	7,030E-15	37-1
37	36	USL1		158,2834	-7,030E-15	37-1
37	23	ULS2		-128,2463	-1,852E-15	37-1
37	36	ULS2		225,6069	1,852E-15	37-1
37	23	ENVELOPE_ ULS	Max	-74,9012	7,030E-15	37-1
37	36	ENVELOPE_ ULS	Max	225,6069	1,852E-15	37-1
37	23	ENVELOPE_ ULS	Min	-128,2463	-1,852E-15	37-1
37	36	ENVELOPE_ ULS	Min	158,2834	-7,030E-15	37-1
38	36	USL1		-385,8670	2,994E-14	38-1
38	24	USL1		148,2989	-2,994E-14	38-1
38	36	ULS2		-506,2089	-2,585E-16	38-1
38	24	ULS2		307,2763	2,585E-16	38-1
38	36	ENVELOPE_ ULS	Max	-385,8670	2,994E-14	38-1
38	24	ENVELOPE_ ULS	Max	307,2763	2,585E-16	38-1
38	36	ENVELOPE_ ULS	Min	-506,2089	-2,585E-16	38-1
38	24	ENVELOPE_ ULS	Min	148,2989	-2,994E-14	38-1
39	1	USL1		178,3074	5,236E-14	39-1
39	36	USL1		227,5836	-2,602E-14	39-1
39	1	ULS2		158,8069	4,865E-16	39-1
39	36	ULS2		280,6020	-1,593E-15	39-1
39	1	ENVELOPE_ ULS	Max	178,3074	5,236E-14	39-1
39	36	ENVELOPE_ ULS	Max	280,6020	-1,593E-15	39-1
39	1	ENVELOPE_ ULS	Min	158,8069	4,865E-16	39-1
39	36	ENVELOPE_ ULS	Min	227,5836	-2,602E-14	39-1
40	9	USL1		-57,4870	8,062E-14	40-1
40	35	USL1		-475,0328	-1,114E-13	40-1
40	9	ULS2		-40,8292	2,687E-15	40-1
40	35	ULS2		-529,2119	-7,034E-15	40-1
40	9	ENVELOPE_ ULS	Max	-40,8292	8,062E-14	40-1
40	35	ENVELOPE_ ULS	Max	-475,0328	-7,034E-15	40-1
40	9	ENVELOPE_ ULS	Min	-57,4870	2,687E-15	40-1

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2	M3	FrameElem
				KN-m	KN-m	
40	35	ENVELOPE_ ULS	Min	-529,2119	-1,114E-13	40-1
41	33	USL1		-20,8777	-4,679E-14	41-1
41	38	USL1		39,9532	5,049E-14	41-1
41	33	ULS2		-38,1333	3,944E-15	41-1
41	38	ULS2		75,9473	-2,909E-15	41-1
41	33	ENVELOPE_ ULS	Max	-20,8777	3,944E-15	41-1
41	38	ENVELOPE_ ULS	Max	75,9473	5,049E-14	41-1
41	33	ENVELOPE_ ULS	Min	-38,1333	-4,679E-14	41-1
41	38	ENVELOPE_ ULS	Min	39,9532	-2,909E-15	41-1
42	38	USL1		-39,9532	-4,871E-14	42-1
42	9	USL1		95,2426	5,153E-14	42-1
42	38	ULS2		-75,9473	2,909E-15	42-1
42	9	ULS2		149,5207	-1,873E-15	42-1
42	38	ENVELOPE_ ULS	Max	-39,9532	2,909E-15	42-1
42	9	ENVELOPE_ ULS	Max	149,5207	5,153E-14	42-1
42	38	ENVELOPE_ ULS	Min	-75,9473	-4,871E-14	42-1
42	9	ENVELOPE_ ULS	Min	95,2426	-1,873E-15	42-1
43	9	USL1		-37,7556	-1,324E-13	43-1
43	39	USL1		-60,6726	1,306E-13	43-1
43	9	ULS2		-108,6915	-8,140E-16	43-1
43	39	ULS2		-21,0086	7,897E-16	43-1
43	9	ENVELOPE_ ULS	Max	-37,7556	-8,140E-16	43-1
43	39	ENVELOPE_ ULS	Max	-21,0086	1,306E-13	43-1
43	9	ENVELOPE_ ULS	Min	-108,6915	-1,324E-13	43-1
43	39	ENVELOPE_ ULS	Min	-60,6726	7,897E-16	43-1
44	39	USL1		60,6726	-1,262E-13	44-1
44	8	USL1		-93,4669	1,368E-13	44-1
44	39	ULS2		21,0086	-7,897E-16	44-1
44	8	ULS2		-95,4851	7,655E-16	44-1
44	39	ENVELOPE_ ULS	Max	60,6726	-7,897E-16	44-1
44	8	ENVELOPE_ ULS	Max	-93,4669	1,368E-13	44-1
44	39	ENVELOPE_ ULS	Min	21,0086	-1,262E-13	44-1
44	8	ENVELOPE_ ULS	Min	-95,4851	7,655E-16	44-1
45	8	USL1		93,4669	-1,395E-13	45-1
45	40	USL1		-153,2795	1,430E-13	45-1
45	8	ULS2		95,4851	-7,655E-16	45-1
45	40	ULS2		-183,1626	7,380E-16	45-1
45	8	ENVELOPE_ ULS	Max	95,4851	-7,655E-16	45-1
45	40	ENVELOPE_ ULS	Max	-153,2795	1,430E-13	45-1
45	8	ENVELOPE_ ULS	Min	93,4669	-1,395E-13	45-1
45	40	ENVELOPE_ ULS	Min	-183,1626	7,380E-16	45-1
46	40	USL1		153,2795	-1,501E-13	46-1

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2	M3	FrameElem
				KN-m	KN-m	
46	7	USL1		-145,6564	1,475E-13	46-1
46	40	ULS2		183,1626	-7,380E-16	46-1
46	7	ULS2		-213,7321	7,105E-16	46-1
46	40	ENVELOPE_ ULS	Max	183,1626	-7,380E-16	46-1
46	7	ENVELOPE_ ULS	Max	-145,6564	1,475E-13	46-1
46	40	ENVELOPE_ ULS	Min	153,2795	-1,501E-13	46-1
46	7	ENVELOPE_ ULS	Min	-213,7321	7,105E-16	46-1
47	7	USL1		145,6564	-1,475E-13	47-1
47	41	USL1		-181,6807	1,110E-13	47-1
47	7	ULS2		213,7321	-7,105E-16	47-1
47	41	ULS2		-266,2622	6,803E-16	47-1
47	7	ENVELOPE_ ULS	Max	213,7321	-7,105E-16	47-1
47	41	ENVELOPE_ ULS	Max	-181,6807	1,110E-13	47-1
47	7	ENVELOPE_ ULS	Min	145,6564	-1,475E-13	47-1
47	41	ENVELOPE_ ULS	Min	-266,2622	6,803E-16	47-1
48	41	USL1		181,6807	-1,217E-13	48-1
48	6	USL1		-150,5164	9,857E-14	48-1
48	41	ULS2		266,2622	-6,803E-16	48-1
48	6	ULS2		-261,8747	6,501E-16	48-1
48	41	ENVELOPE_ ULS	Max	266,2622	-6,803E-16	48-1
48	6	ENVELOPE_ ULS	Max	-150,5164	9,857E-14	48-1
48	41	ENVELOPE_ ULS	Min	181,6807	-1,217E-13	48-1
48	6	ENVELOPE_ ULS	Min	-261,8747	6,501E-16	48-1
49	6	USL1		150,5164	-9,417E-14	49-1
49	42	USL1		-175,3284	6,838E-14	49-1
49	6	ULS2		261,8747	-6,501E-16	49-1
49	42	ULS2		-288,8451	6,170E-16	49-1
49	6	ENVELOPE_ ULS	Max	261,8747	-6,501E-16	49-1
49	42	ENVELOPE_ ULS	Max	-175,3284	6,838E-14	49-1
49	6	ENVELOPE_ ULS	Min	150,5164	-9,417E-14	49-1
49	42	ENVELOPE_ ULS	Min	-288,8451	6,170E-16	49-1
50	42	USL1		175,3284	-4,884E-14	50-1
50	5	USL1		-131,7032	3,104E-14	50-1
50	42	ULS2		288,8451	-6,170E-16	50-1
50	5	ULS2		-259,1992	5,839E-16	50-1
50	42	ENVELOPE_ ULS	Max	288,8451	-6,170E-16	50-1
50	5	ENVELOPE_ ULS	Max	-131,7032	3,104E-14	50-1
50	42	ENVELOPE_ ULS	Min	175,3284	-4,884E-14	50-1
50	5	ENVELOPE_ ULS	Min	-259,1992	5,839E-16	50-1
51	5	USL1		131,7032	-3,724E-14	51-1
51	43	USL1		-160,4451	-8,086E-15	51-1
51	5	ULS2		259,1992	-5,839E-16	51-1

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2	M3	FrameElem
				KN-m	KN-m	
51	43	ULS2		-275,5017	5,519E-16	51-1
51	5	ENVELOPE_ ULS	Max	259,1992	-5,839E-16	51-1
51	43	ENVELOPE_ ULS	Max	-160,4451	5,519E-16	51-1
51	5	ENVELOPE_ ULS	Min	131,7032	-3,724E-14	51-1
51	43	ENVELOPE_ ULS	Min	-275,5017	-8,086E-15	51-1
52	43	USL1		160,4451	3,647E-15	52-1
52	4	USL1		-125,8225	-4,009E-14	52-1
52	43	ULS2		275,5017	-5,519E-16	52-1
52	4	ULS2		-238,9436	5,200E-16	52-1
52	43	ENVELOPE_ ULS	Max	275,5017	3,647E-15	52-1
52	4	ENVELOPE_ ULS	Max	-125,8225	5,200E-16	52-1
52	43	ENVELOPE_ ULS	Min	160,4451	-5,519E-16	52-1
52	4	ENVELOPE_ ULS	Min	-238,9436	-4,009E-14	52-1
53	4	USL1		125,8225	3,212E-14	53-1
53	44	USL1		-163,7498	-5,790E-14	53-1
53	4	ULS2		238,9436	-5,200E-16	53-1
53	44	ULS2		-250,2911	4,896E-16	53-1
53	4	ENVELOPE_ ULS	Max	238,9436	3,212E-14	53-1
53	44	ENVELOPE_ ULS	Max	-163,7498	4,896E-16	53-1
53	4	ENVELOPE_ ULS	Min	125,8225	-5,200E-16	53-1
53	44	ENVELOPE_ ULS	Min	-250,2911	-5,790E-14	53-1
54	44	USL1		163,7498	3,481E-14	54-1
54	3	USL1		-139,5214	-1,006E-13	54-1
54	44	ULS2		250,2911	-4,896E-16	54-1
54	3	ULS2		-209,7955	4,592E-16	54-1
54	44	ENVELOPE_ ULS	Max	250,2911	3,481E-14	54-1
54	3	ENVELOPE_ ULS	Max	-139,5214	4,592E-16	54-1
54	44	ENVELOPE_ ULS	Min	163,7498	-4,896E-16	54-1
54	3	ENVELOPE_ ULS	Min	-209,7955	-1,006E-13	54-1
55	3	USL1		139,5214	9,615E-14	55-1
55	45	USL1		-195,5617	-1,157E-13	55-1
55	3	ULS2		209,7955	-4,592E-16	55-1
55	45	ULS2		-227,5772	4,315E-16	55-1
55	3	ENVELOPE_ ULS	Max	209,7955	9,615E-14	55-1
55	45	ENVELOPE_ ULS	Max	-195,5617	4,315E-16	55-1
55	3	ENVELOPE_ ULS	Min	139,5214	-4,592E-16	55-1
55	45	ENVELOPE_ ULS	Min	-227,5772	-1,157E-13	55-1
56	45	USL1		195,5617	1,202E-13	56-1
56	2	USL1		-192,5336	-1,131E-13	56-1
56	45	ULS2		227,5772	-4,315E-16	56-1
56	2	ULS2		-196,6836	4,038E-16	56-1
56	45	ENVELOPE_ ULS	Max	227,5772	1,202E-13	56-1

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2	M3	FrameElem
				KN-m	KN-m	
56	2	ENVELOPE_ ULS	Max	-192,5336	4,038E-16	56-1
56	45	ENVELOPE_ ULS	Min	195,5617	-4,315E-16	56-1
56	2	ENVELOPE_ ULS	Min	-196,6836	-1,131E-13	56-1
57	2	USL1		192,5336	1,096E-13	57-1
57	46	USL1		-283,3884	-1,034E-13	57-1
57	2	ULS2		196,6836	-4,038E-16	57-1
57	46	ULS2		-242,0448	3,800E-16	57-1
57	2	ENVELOPE_ ULS	Max	196,6836	1,096E-13	57-1
57	46	ENVELOPE_ ULS	Max	-242,0448	3,800E-16	57-1
57	2	ENVELOPE_ ULS	Min	192,5336	-4,038E-16	57-1
57	46	ENVELOPE_ ULS	Min	-283,3884	-1,034E-13	57-1
58	46	USL1		283,3884	9,183E-14	58-1
58	1	USL1		-320,7278	-1,034E-13	58-1
58	46	ULS2		242,0448	-3,800E-16	58-1
58	1	ULS2		-244,5476	3,562E-16	58-1
58	46	ENVELOPE_ ULS	Max	283,3884	9,183E-14	58-1
58	1	ENVELOPE_ ULS	Max	-244,5476	3,562E-16	58-1
58	46	ENVELOPE_ ULS	Min	242,0448	-3,800E-16	58-1
58	1	ENVELOPE_ ULS	Min	-320,7278	-1,034E-13	58-1
59	1	USL1		142,4204	5,410E-14	59-1
59	47	USL1		-142,7355	-3,964E-14	59-1
59	1	ULS2		85,7407	-8,427E-16	59-1
59	47	ULS2		-104,9943	1,095E-15	59-1
59	1	ENVELOPE_ ULS	Max	142,4204	5,410E-14	59-1
59	47	ENVELOPE_ ULS	Max	-104,9943	1,095E-15	59-1
59	1	ENVELOPE_ ULS	Min	85,7407	-8,427E-16	59-1
59	47	ENVELOPE_ ULS	Min	-142,7355	-3,964E-14	59-1
60	47	USL1		142,7355	3,165E-14	60-1
60	34	USL1		-92,6868	-3,228E-14	60-1
60	47	ULS2		104,9943	-1,095E-15	60-1
60	34	ULS2		-74,9242	1,347E-15	60-1
60	47	ENVELOPE_ ULS	Max	142,7355	3,165E-14	60-1
60	34	ENVELOPE_ ULS	Max	-74,9242	1,347E-15	60-1
60	47	ENVELOPE_ ULS	Min	104,9943	-1,095E-15	60-1
60	34	ENVELOPE_ ULS	Min	-92,6868	-3,228E-14	60-1
61	34	USL1		92,6868	4,383E-14	61-1
61	48	USL1		8,5932	-2,315E-14	61-1
61	34	ULS2		74,9242	-1,347E-15	61-1
61	48	ULS2		5,3809	1,600E-15	61-1
61	34	ENVELOPE_ ULS	Max	92,6868	4,383E-14	61-1
61	48	ENVELOPE_ ULS	Max	8,5932	1,600E-15	61-1

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2	M3	FrameElem
				KN-m	KN-m	
61	34	ENVELOPE_ ULS	Min	74,9242	-1,347E-15	61-1
61	48	ENVELOPE_ ULS	Min	5,3809	-2,315E-14	61-1
62	48	USL1		-8,5932	7,161E-15	62-1
62	10	USL1		162,0047	-1,757E-14	62-1
62	48	ULS2		-5,3809	-1,600E-15	62-1
62	10	ULS2		136,8606	1,852E-15	62-1
62	48	ENVELOPE_ ULS	Max	-5,3809	7,161E-15	62-1
62	10	ENVELOPE_ ULS	Max	162,0047	1,852E-15	62-1
62	48	ENVELOPE_ ULS	Min	-8,5932	-1,600E-15	62-1
62	10	ENVELOPE_ ULS	Min	136,8606	-1,757E-14	62-1
63	31	USL1		-743,9265	-1,732E-13	63-1
63	49	USL1		679,2142	1,732E-13	63-1
63	31	ULS2		-870,5562	-9,093E-16	63-1
63	49	ULS2		838,7763	9,093E-16	63-1
63	31	ENVELOPE_ ULS	Max	-743,9265	-9,093E-16	63-1
63	49	ENVELOPE_ ULS	Max	838,7763	1,732E-13	63-1
63	31	ENVELOPE_ ULS	Min	-870,5562	-1,732E-13	63-1
63	49	ENVELOPE_ ULS	Min	679,2142	9,093E-16	63-1
64	49	USL1		-679,2142	-1,732E-13	64-1
64	30	USL1		643,2784	1,732E-13	64-1
64	49	ULS2		-838,7763	-9,093E-16	64-1
64	30	ULS2		826,1449	9,093E-16	64-1
64	49	ENVELOPE_ ULS	Max	-679,2142	-9,093E-16	64-1
64	30	ENVELOPE_ ULS	Max	826,1449	1,732E-13	64-1
64	49	ENVELOPE_ ULS	Min	-838,7763	-1,732E-13	64-1
64	30	ENVELOPE_ ULS	Min	643,2784	9,093E-16	64-1
65	30	USL1		-643,2784	-1,714E-13	65-1
65	50	USL1		638,0583	1,714E-13	65-1
65	30	ULS2		-826,1449	-9,093E-16	65-1
65	50	ULS2		833,6372	9,093E-16	65-1
65	30	ENVELOPE_ ULS	Max	-643,2784	-9,093E-16	65-1
65	50	ENVELOPE_ ULS	Max	833,6372	1,714E-13	65-1
65	30	ENVELOPE_ ULS	Min	-826,1449	-1,714E-13	65-1
65	50	ENVELOPE_ ULS	Min	638,0583	9,093E-16	65-1
66	50	USL1		-638,0583	-1,679E-13	66-1
66	29	USL1		665,4933	1,679E-13	66-1
66	50	ULS2		-833,6372	-9,093E-16	66-1
66	29	ULS2		862,2284	9,093E-16	66-1
66	50	ENVELOPE_ ULS	Max	-638,0583	-9,093E-16	66-1
66	29	ENVELOPE_ ULS	Max	862,2284	1,679E-13	66-1
66	50	ENVELOPE_ ULS	Min	-833,6372	-1,679E-13	66-1

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2	M3	FrameElem
				KN-m	KN-m	
66	29	ENVELOPE_ ULS	Min	665,4933	9,093E-16	66-1
67	29	USL1		-665,4933	-1,643E-13	67-1
67	51	USL1		727,5224	1,643E-13	67-1
67	29	ULS2		-862,2284	-9,093E-16	67-1
67	51	ULS2		912,8920	9,093E-16	67-1
67	29	ENVELOPE_ ULS	Max	-665,4933	-9,093E-16	67-1
67	51	ENVELOPE_ ULS	Max	912,8920	1,643E-13	67-1
67	29	ENVELOPE_ ULS	Min	-862,2284	-1,643E-13	67-1
67	51	ENVELOPE_ ULS	Min	727,5224	9,093E-16	67-1
68	51	USL1		-727,5224	-1,608E-13	68-1
68	28	USL1		826,0849	1,608E-13	68-1
68	51	ULS2		-912,8920	-9,093E-16	68-1
68	28	ULS2		986,5939	9,093E-16	68-1
68	51	ENVELOPE_ ULS	Max	-727,5224	-9,093E-16	68-1
68	28	ENVELOPE_ ULS	Max	986,5939	1,608E-13	68-1
68	51	ENVELOPE_ ULS	Min	-912,8920	-1,608E-13	68-1
68	28	ENVELOPE_ ULS	Min	826,0849	9,093E-16	68-1
69	27	USL1		-313,8513	-4,583E-14	69-1
69	52	USL1		181,9665	4,583E-14	69-1
69	27	ULS2		-367,0182	6,125E-15	69-1
69	52	ULS2		204,9013	-6,125E-15	69-1
69	27	ENVELOPE_ ULS	Max	-313,8513	6,125E-15	69-1
69	52	ENVELOPE_ ULS	Max	204,9013	4,583E-14	69-1
69	27	ENVELOPE_ ULS	Min	-367,0182	-4,583E-14	69-1
69	52	ENVELOPE_ ULS	Min	181,9665	-6,125E-15	69-1
70	52	USL1		-181,9665	-4,361E-14	70-1
70	32	USL1		94,3720	4,361E-14	70-1
70	52	ULS2		-204,9013	6,125E-15	70-1
70	32	ULS2		69,7124	-6,125E-15	70-1
70	52	ENVELOPE_ ULS	Max	-181,9665	6,125E-15	70-1
70	32	ENVELOPE_ ULS	Max	94,3720	4,361E-14	70-1
70	52	ENVELOPE_ ULS	Min	-204,9013	-4,361E-14	70-1
70	32	ENVELOPE_ ULS	Min	69,7124	-6,125E-15	70-1
71	10	USL1		-162,0047	4,809E-15	71-1
71	53	USL1		77,0399	-4,809E-15	71-1
71	10	ULS2		-136,8606	-1,852E-15	71-1
71	53	ULS2		99,9559	1,852E-15	71-1
71	10	ENVELOPE_ ULS	Max	-136,8606	4,809E-15	71-1
71	53	ENVELOPE_ ULS	Max	99,9559	1,852E-15	71-1
71	10	ENVELOPE_ ULS	Min	-162,0047	-1,852E-15	71-1
71	53	ENVELOPE_ ULS	Min	77,0399	-4,809E-15	71-1
72	53	USL1		-77,0399	7,030E-15	72-1

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem
72	23	USL1		74,9012	-7,030E-15	72-1
72	53	ULS2		-99,9559	-1,852E-15	72-1
72	23	ULS2		128,2463	1,852E-15	72-1
72	53	ENVELOPE_ ULS	Max	-77,0399	7,030E-15	72-1
72	23	ENVELOPE_ ULS	Max	128,2463	1,852E-15	72-1
72	53	ENVELOPE_ ULS	Min	-99,9559	-1,852E-15	72-1
72	23	ENVELOPE_ ULS	Min	74,9012	-7,030E-15	72-1
73	24	USL1		-148,2989	2,994E-14	73-1
73	54	USL1		1,2635	-2,639E-14	73-1
73	24	ULS2		-307,2763	-2,585E-16	73-1
73	54	ULS2		184,5692	2,585E-16	73-1
73	24	ENVELOPE_ ULS	Max	-148,2989	2,994E-14	73-1
73	54	ENVELOPE_ ULS	Max	184,5692	2,585E-16	73-1
73	24	ENVELOPE_ ULS	Min	-307,2763	-2,585E-16	73-1
73	54	ENVELOPE_ ULS	Min	1,2635	-2,639E-14	73-1
74	54	USL1		-1,2635	2,994E-14	74-1
74	25	USL1		-52,8758	-2,994E-14	74-1
74	54	ULS2		-184,5692	-2,585E-16	74-1
74	25	ULS2		141,4735	2,585E-16	74-1
74	54	ENVELOPE_ ULS	Max	-1,2635	2,994E-14	74-1
74	25	ENVELOPE_ ULS	Max	141,4735	2,585E-16	74-1
74	54	ENVELOPE_ ULS	Min	-184,5692	-2,585E-16	74-1
74	25	ENVELOPE_ ULS	Min	-52,8758	-2,994E-14	74-1
75	25	USL1		52,8758	2,816E-14	75-1
75	55	USL1		-11,7162	-2,816E-14	75-1
75	25	ULS2		-141,4735	-2,585E-16	75-1
75	55	ULS2		181,3779	2,585E-16	75-1
75	25	ENVELOPE_ ULS	Max	52,8758	2,816E-14	75-1
75	55	ENVELOPE_ ULS	Max	181,3779	2,585E-16	75-1
75	25	ENVELOPE_ ULS	Min	-141,4735	-2,585E-16	75-1
75	55	ENVELOPE_ ULS	Min	-11,7162	-2,816E-14	75-1
76	55	USL1		11,7162	2,994E-14	76-1
76	26	USL1		127,2026	-2,994E-14	76-1
76	55	ULS2		-181,3779	-2,585E-16	76-1
76	26	ULS2		307,6831	2,585E-16	76-1
76	55	ENVELOPE_ ULS	Max	11,7162	2,994E-14	76-1
76	26	ENVELOPE_ ULS	Max	307,6831	2,585E-16	76-1
76	55	ENVELOPE_ ULS	Min	-181,3779	-2,585E-16	76-1
76	26	ENVELOPE_ ULS	Min	127,2026	-2,994E-14	76-1
77	26	USL1		-127,2026	2,994E-14	77-1
77	56	USL1		366,3868	-2,994E-14	77-1
77	26	ULS2		-307,6831	-2,585E-16	77-1

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem
77	56	ULS2		523,7960	2,585E-16	77-1
77	26	ENVELOPE_ ULS	Max	-127,2026	2,994E-14	77-1
77	56	ENVELOPE_ ULS	Max	523,7960	2,585E-16	77-1
77	26	ENVELOPE_ ULS	Min	-307,6831	-2,585E-16	77-1
77	56	ENVELOPE_ ULS	Min	366,3868	-2,994E-14	77-1
78	56	USL1		-366,3868	2,816E-14	78-1
78	11	USL1		708,3639	-2,816E-14	78-1
78	56	ULS2		-523,7960	-2,585E-16	78-1
78	11	ULS2		833,1104	2,585E-16	78-1
78	56	ENVELOPE_ ULS	Max	-366,3868	2,816E-14	78-1
78	11	ENVELOPE_ ULS	Max	833,1104	2,585E-16	78-1
78	56	ENVELOPE_ ULS	Min	-523,7960	-2,585E-16	78-1
78	11	ENVELOPE_ ULS	Min	708,3639	-2,816E-14	78-1

Table: Frame Loads - Distributed, Part 1 of 3

Table: Frame Loads - Distributed, Part 1 of 3

Frame	LoadPat	CoordSys	Type	Dir	DistType	RelDistA
2	HYDROSTATIC	Local	Force	2	RelDist	0,0000
2	EARTH	GLOBAL	Force	Gravity	RelDist	0,0000
2	ROAD PAVEMENT	GLOBAL	Force	Gravity	RelDist	0,0000
2	VARIABLE TRAFFIC LOADS	GLOBAL	Force	Gravity	RelDist	0,0000
2	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
3	HYDROSTATIC	Local	Force	2	RelDist	0,0000
3	EARTH	GLOBAL	Force	Gravity	RelDist	0,0000
3	ROAD PAVEMENT	GLOBAL	Force	Gravity	RelDist	0,0000
3	VARIABLE TRAFFIC LOADS	GLOBAL	Force	Gravity	RelDist	0,0000
3	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
4	HYDROSTATIC	Local	Force	2	RelDist	0,0000
4	EARTH	GLOBAL	Force	Gravity	RelDist	0,0000
4	ROAD PAVEMENT	GLOBAL	Force	Gravity	RelDist	0,0000
4	VARIABLE TRAFFIC LOADS	GLOBAL	Force	Gravity	RelDist	0,0000
4	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
5	HYDROSTATIC	Local	Force	2	RelDist	0,0000
5	EARTH	GLOBAL	Force	Gravity	RelDist	0,0000
5	ROAD PAVEMENT	GLOBAL	Force	Gravity	RelDist	0,0000
5	VARIABLE TRAFFIC LOADS	GLOBAL	Force	Gravity	RelDist	0,0000
5	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
6	HYDROSTATIC	Local	Force	2	RelDist	0,0000
6	EARTH	GLOBAL	Force	Gravity	RelDist	0,0000
6	ROAD PAVEMENT	GLOBAL	Force	Gravity	RelDist	0,0000
6	VARIABLE TRAFFIC LOADS	GLOBAL	Force	Gravity	RelDist	0,0000

Table: Frame Loads - Distributed, Part 1 of 3

Frame	LoadPat	CoordSys	Type	Dir	DistType	RelDistA
6	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
7	HYDROSTATIC	Local	Force	2	RelDist	0,0000
7	EARTH	GLOBAL	Force	Gravity	RelDist	0,0000
7	ROAD PAVEMENT	GLOBAL	Force	Gravity	RelDist	0,0000
7	VARIABLE TRAFFIC LOADS	GLOBAL	Force	Gravity	RelDist	0,0000
7	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
8	HYDROSTATIC	Local	Force	2	RelDist	0,0000
8	EARTH	GLOBAL	Force	Gravity	RelDist	0,0000
8	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
8	ROAD PAVEMENT	GLOBAL	Force	Gravity	RelDist	0,0000
8	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
8	VARIABLE TRAFFIC LOADS	GLOBAL	Force	Gravity	RelDist	0,0000
8	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
8	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
8	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
8	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
9	HYDROSTATIC	Local	Force	2	RelDist	0,0000
9	EARTH	GLOBAL	Force	Gravity	RelDist	0,0000
9	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
9	ROAD PAVEMENT	GLOBAL	Force	Gravity	RelDist	0,0000
9	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
9	VARIABLE TRAFFIC LOADS	GLOBAL	Force	Gravity	RelDist	0,0000
9	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
9	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
9	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
9	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
10	HYDROSTATIC	Local	Force	2	RelDist	0,0000
10	EARTH	GLOBAL	Force	Gravity	RelDist	0,0000
10	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
10	ROAD PAVEMENT	GLOBAL	Force	Gravity	RelDist	0,0000
10	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
10	VARIABLE TRAFFIC LOADS	GLOBAL	Force	Gravity	RelDist	0,0000
10	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
10	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
10	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
10	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
11	HYDROSTATIC	Local	Force	2	RelDist	0,0000
11	EARTH	GLOBAL	Force	Gravity	RelDist	0,0000
11	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
11	ROAD PAVEMENT	GLOBAL	Force	Gravity	RelDist	0,0000
11	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000

Table: Frame Loads - Distributed, Part 1 of 3

Frame	LoadPat	CoordSys	Type	Dir	DistType	RelDistA
11	VARIABLE TRAFFIC LOADS	GLOBAL	Force	Gravity	RelDist	0,0000
11	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
11	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
11	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
11	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
12	HYDROSTATIC	Local	Force	2	RelDist	0,0000
12	EARTH	GLOBAL	Force	Gravity	RelDist	0,0000
12	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
12	ROAD PAVEMENT	GLOBAL	Force	Gravity	RelDist	0,0000
12	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
12	VARIABLE TRAFFIC LOADS	GLOBAL	Force	Gravity	RelDist	0,0000
12	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
12	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
12	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
12	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
13	HYDROSTATIC	Local	Force	2	RelDist	0,0000
13	EARTH	GLOBAL	Force	Gravity	RelDist	0,0000
13	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
13	ROAD PAVEMENT	GLOBAL	Force	Gravity	RelDist	0,0000
13	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
13	VARIABLE TRAFFIC LOADS	GLOBAL	Force	Gravity	RelDist	0,0000
13	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
13	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
13	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
13	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
1	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
1	HYDROSTATIC	Local	Force	2	RelDist	0,0000
1	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
1	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
1	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
1	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
1	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
26	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
26	HYDROSTATIC	Local	Force	2	RelDist	0,0000
26	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
26	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
26	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000

Table: Frame Loads - Distributed, Part 1 of 3

Frame	LoadPat	CoordSys	Type	Dir	DistType	RelDistA
26	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
26	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
37	HYDROSTATIC	Local	Force	2	RelDist	0,0000
37	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
38	HYDROSTATIC	Local	Force	2	RelDist	0,0000
38	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
17	HYDROSTATIC	Local	Force	2	RelDist	0,0000
33	HYDROSTATIC	Local	Force	2	RelDist	0,0000
41	HYDROSTATIC	Local	Force	2	RelDist	0,0000
42	HYDROSTATIC	Local	Force	2	RelDist	0,0000
43	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
43	HYDROSTATIC	Local	Force	2	RelDist	0,0000
43	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
43	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
43	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
43	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
44	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
44	HYDROSTATIC	Local	Force	2	RelDist	0,0000
44	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
44	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
44	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
44	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
44	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
45	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
45	HYDROSTATIC	Local	Force	2	RelDist	0,0000
45	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
45	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
45	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
45	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
46	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
46	HYDROSTATIC	Local	Force	2	RelDist	0,0000
46	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
46	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
46	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
46	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
47	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
47	HYDROSTATIC	Local	Force	2	RelDist	0,0000
47	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
47	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
47	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000

Table: Frame Loads - Distributed, Part 1 of 3

Frame	LoadPat	CoordSys	Type	Dir	DistType	RelDistA
47	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
48	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
48	HYDROSTATIC	Local	Force	2	RelDist	0,0000
48	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
48	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
48	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
48	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
49	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
49	HYDROSTATIC	Local	Force	2	RelDist	0,0000
49	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
49	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
49	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
49	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
50	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
50	HYDROSTATIC	Local	Force	2	RelDist	0,0000
50	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
50	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
50	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
50	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
51	HYDROSTATIC	Local	Force	2	RelDist	0,0000
52	HYDROSTATIC	Local	Force	2	RelDist	0,0000
53	HYDROSTATIC	Local	Force	2	RelDist	0,0000
54	HYDROSTATIC	Local	Force	2	RelDist	0,0000
55	HYDROSTATIC	Local	Force	2	RelDist	0,0000
56	HYDROSTATIC	Local	Force	2	RelDist	0,0000
57	HYDROSTATIC	Local	Force	2	RelDist	0,0000
58	HYDROSTATIC	Local	Force	2	RelDist	0,0000
59	HYDROSTATIC	Local	Force	2	RelDist	0,0000
60	HYDROSTATIC	Local	Force	2	RelDist	0,0000
61	HYDROSTATIC	Local	Force	2	RelDist	0,0000
62	HYDROSTATIC	Local	Force	2	RelDist	0,0000
63	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
63	HYDROSTATIC	Local	Force	2	RelDist	0,0000
63	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
63	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
63	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
63	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
63	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
64	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
64	HYDROSTATIC	Local	Force	2	RelDist	0,0000
64	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
64	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000

Table: Frame Loads - Distributed, Part 1 of 3

Frame	LoadPat	CoordSys	Type	Dir	DistType	RelDistA
64	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
64	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
64	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
65	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
65	HYDROSTATIC	Local	Force	2	RelDist	0,0000
65	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
65	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
65	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
65	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
65	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
66	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
66	HYDROSTATIC	Local	Force	2	RelDist	0,0000
66	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
66	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
66	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
66	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
66	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
67	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
67	HYDROSTATIC	Local	Force	2	RelDist	0,0000
67	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
67	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
67	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
67	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
67	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
68	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
68	HYDROSTATIC	Local	Force	2	RelDist	0,0000
68	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
68	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
68	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
68	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
68	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
69	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
69	HYDROSTATIC	Local	Force	2	RelDist	0,0000
69	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
69	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
69	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
69	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000

Table: Frame Loads - Distributed, Part 1 of 3

Frame	LoadPat	CoordSys	Type	Dir	DistType	RelDistA
69	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
70	EARTH_PRESSURE DX	GLOBAL	Force	X	RelDist	0,0000
70	HYDROSTATIC	Local	Force	2	RelDist	0,0000
70	ROAD PAVEMENT	GLOBAL	Force	X	RelDist	0,0000
70	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
70	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
70	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
70	DINAMIC EARTH PRESSURE	GLOBAL	Force	X	RelDist	0,0000
71	HYDROSTATIC	Local	Force	2	RelDist	0,0000
71	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
72	HYDROSTATIC	Local	Force	2	RelDist	0,0000
72	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
73	HYDROSTATIC	Local	Force	2	RelDist	0,0000
73	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
74	HYDROSTATIC	Local	Force	2	RelDist	0,0000
74	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
75	HYDROSTATIC	Local	Force	2	RelDist	0,0000
75	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
76	HYDROSTATIC	Local	Force	2	RelDist	0,0000
76	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
77	HYDROSTATIC	Local	Force	2	RelDist	0,0000
77	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000
78	HYDROSTATIC	Local	Force	2	RelDist	0,0000
78	VARIABLE TRAFFIC LOADS	GLOBAL	Force	X	RelDist	0,0000

Table: Frame Loads - Distributed, Part 2 of 3

Table: Frame Loads - Distributed, Part 2 of 3

Frame	LoadPat	RelDistB	AbsDistA m	AbsDistB m	FOverLA KN/m	FOverLB KN/m
2	HYDROSTATIC	1,0000	0,00000	1,15723	-38,20	-31,00
2	EARTH	1,0000	0,00000	1,15723	51,50	51,50
2	ROAD PAVEMENT	1,0000	0,00000	1,15723	12,00	12,00
2	VARIABLE TRAFFIC LOADS	1,0000	0,00000	1,15723	9,00	9,00
2	VARIABLE TRAFFIC LOADS	1,0000	0,00000	1,15723	11,88	11,88
3	HYDROSTATIC	1,0000	0,00000	1,02464	-31,00	-24,50
3	EARTH	1,0000	0,00000	1,02464	47,40	47,40
3	ROAD PAVEMENT	1,0000	0,00000	1,02464	12,00	12,00
3	VARIABLE TRAFFIC LOADS	1,0000	0,00000	1,02464	9,00	9,00
3	VARIABLE TRAFFIC LOADS	1,0000	0,00000	1,02464	11,88	11,88
4	HYDROSTATIC	1,0000	0,00000	0,98945	-24,50	-18,60
4	EARTH	1,0000	0,00000	0,98945	39,70	39,70
4	ROAD PAVEMENT	1,0000	0,00000	0,98945	12,00	12,00

Table: Frame Loads - Distributed, Part 2 of 3

Frame	LoadPat	RelDistB	AbsDistA m	AbsDistB m	FOverLA KN/m	FOverLB KN/m
4	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,98945	9,00	9,00
4	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,98945	11,88	11,88
5	HYDROSTATIC	1,0000	0,00000	0,98804	-18,60	-14,00
5	EARTH	1,0000	0,00000	0,98804	32,70	32,70
5	ROAD PAVEMENT	1,0000	0,00000	0,98804	12,00	12,00
5	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,98804	9,00	9,00
5	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,98804	11,88	11,88
6	HYDROSTATIC	1,0000	0,00000	0,98763	-14,00	-11,10
6	EARTH	1,0000	0,00000	0,98763	26,90	26,90
6	ROAD PAVEMENT	1,0000	0,00000	0,98763	12,00	12,00
6	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,98763	9,00	9,00
6	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,98763	11,88	11,88
7	HYDROSTATIC	1,0000	0,00000	1,04617	-11,10	-10,00
7	EARTH	1,0000	0,00000	1,04617	22,80	22,80
7	ROAD PAVEMENT	1,0000	0,00000	1,04617	12,00	12,00
7	VARIABLE TRAFFIC LOADS	1,0000	0,00000	1,04617	9,00	9,00
7	VARIABLE TRAFFIC LOADS	1,0000	0,00000	1,04617	11,88	11,88
8	HYDROSTATIC	1,0000	0,00000	1,08329	-10,00	-11,10
8	EARTH	1,0000	0,00000	1,08329	22,80	22,80
8	EARTH_PRESSURE DX	1,0000	0,00000	1,08329	-27,00	-28,10
8	ROAD PAVEMENT	1,0000	0,00000	1,08329	12,00	12,00
8	ROAD PAVEMENT	1,0000	0,00000	1,08329	-5,28	-5,28
8	VARIABLE TRAFFIC LOADS	1,0000	0,00000	1,08329	9,00	9,00
8	VARIABLE TRAFFIC LOADS	1,0000	0,00000	1,08329	-11,88	-11,88
8	DINAMIC EARTH PRESSURE	1,0000	0,00000	1,08329	-24,00	-24,00
8	DINAMIC EARTH PRESSURE	1,0000	0,00000	1,08329	-1,40	-1,40
8	DINAMIC EARTH PRESSURE	1,0000	0,00000	1,08329	-2,00	-2,00
9	HYDROSTATIC	1,0000	0,00000	0,98504	-11,10	-14,00
9	EARTH	1,0000	0,00000	0,98504	26,90	26,90
9	EARTH_PRESSURE DX	1,0000	0,00000	0,98504	-28,10	-31,10
9	ROAD PAVEMENT	1,0000	0,00000	0,98504	12,00	12,00
9	ROAD PAVEMENT	1,0000	0,00000	0,98504	-5,28	-5,28
9	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,98504	9,00	9,00
9	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,98504	-11,88	-11,88
9	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,98504	-24,00	-24,00
9	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,98504	-1,40	-1,40
9	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,98504	-2,00	-2,00
10	HYDROSTATIC	1,0000	0,00000	0,98394	-14,00	-18,60
10	EARTH	1,0000	0,00000	0,98394	32,70	32,70
10	EARTH_PRESSURE DX	1,0000	0,00000	0,98394	-31,10	-35,70
10	ROAD PAVEMENT	1,0000	0,00000	0,98394	12,00	12,00
10	ROAD PAVEMENT	1,0000	0,00000	0,98394	-5,28	-5,28

Table: Frame Loads - Distributed, Part 2 of 3

Frame	LoadPat	RelDistB	AbsDistA m	AbsDistB m	FOverLA KN/m	FOverLB KN/m
10	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,98394	9,00	9,00
10	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,98394	-11,88	-11,88
10	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,98394	-24,00	-24,00
10	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,98394	-1,40	-1,40
10	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,98394	-2,00	-2,00
11	HYDROSTATIC	1,0000	0,00000	0,98416	-18,60	-24,50
11	EARTH	1,0000	0,00000	0,98416	39,70	39,70
11	EARTH_PRESSURE DX	1,0000	0,00000	0,98416	-35,70	-41,70
11	ROAD PAVEMENT	1,0000	0,00000	0,98416	12,00	12,00
11	ROAD PAVEMENT	1,0000	0,00000	0,98416	-5,28	-5,28
11	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,98416	9,00	9,00
11	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,98416	-11,88	-11,88
11	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,98416	-24,00	-24,00
11	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,98416	-1,40	-1,40
11	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,98416	-2,00	-2,00
12	HYDROSTATIC	1,0000	0,00000	1,01876	-24,50	-31,00
12	EARTH	1,0000	0,00000	1,01876	47,40	47,40
12	EARTH_PRESSURE DX	1,0000	0,00000	1,01876	-41,70	-48,10
12	ROAD PAVEMENT	1,0000	0,00000	1,01876	12,00	12,00
12	ROAD PAVEMENT	1,0000	0,00000	1,01876	-5,28	-5,28
12	VARIABLE TRAFFIC LOADS	1,0000	0,00000	1,01876	9,00	9,00
12	VARIABLE TRAFFIC LOADS	1,0000	0,00000	1,01876	-11,88	-11,88
12	DINAMIC EARTH PRESSURE	1,0000	0,00000	1,01876	-24,00	-24,00
12	DINAMIC EARTH PRESSURE	1,0000	0,00000	1,01876	-1,40	-1,40
12	DINAMIC EARTH PRESSURE	1,0000	0,00000	1,01876	-2,00	-2,00
13	HYDROSTATIC	1,0000	0,00000	1,13787	-31,00	-38,20
13	EARTH	1,0000	0,00000	1,13787	51,50	51,50
13	EARTH_PRESSURE DX	1,0000	0,00000	1,13787	-48,10	-55,40
13	ROAD PAVEMENT	1,0000	0,00000	1,13787	12,00	12,00
13	ROAD PAVEMENT	1,0000	0,00000	1,13787	-5,28	-5,28
13	VARIABLE TRAFFIC LOADS	1,0000	0,00000	1,13787	9,00	9,00
13	VARIABLE TRAFFIC LOADS	1,0000	0,00000	1,13787	-11,88	-11,88
13	DINAMIC EARTH PRESSURE	1,0000	0,00000	1,13787	-24,00	-24,00
13	DINAMIC EARTH PRESSURE	1,0000	0,00000	1,13787	-1,40	-1,40
13	DINAMIC EARTH PRESSURE	1,0000	0,00000	1,13787	-2,00	-2,00
1	EARTH_PRESSURE DX	1,0000	0,00000	0,47625	-81,10	-85,40
1	HYDROSTATIC	1,0000	0,00000	0,47625	-63,80	-68,05
1	ROAD PAVEMENT	1,0000	0,00000	0,47625	-5,28	-5,28

Table: Frame Loads - Distributed, Part 2 of 3

Frame	LoadPat	RelDistB	AbsDistA m	AbsDistB m	FOverLA KN/m	FOverLB KN/m
1	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	-11,88	-11,88
1	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-24,00	-24,00
1	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-1,40	-1,40
1	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-2,00	-2,00
26	EARTH_PRESSURE DX	1,0000	0,00000	0,47625	-85,40	-89,70
26	HYDROSTATIC	1,0000	0,00000	0,47625	-68,05	-72,30
26	ROAD PAVEMENT	1,0000	0,00000	0,47625	-5,28	-5,28
26	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	-11,88	-11,88
26	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-24,00	-24,00
26	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-1,40	-1,40
26	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-2,00	-2,00
37	HYDROSTATIC	1,0000	0,00000	0,47625	-72,30	-68,05
37	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	11,88	11,88
38	HYDROSTATIC	1,0000	0,00000	0,47625	-68,05	-63,80
38	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	11,88	11,88
17	HYDROSTATIC	1,0000	0,00000	0,38282	-80,80	-80,80
33	HYDROSTATIC	1,0000	0,00000	0,38282	-80,80	-80,80
41	HYDROSTATIC	1,0000	0,00000	0,36365	-80,80	-80,80
42	HYDROSTATIC	1,0000	0,00000	0,36365	-80,80	-80,80
43	EARTH_PRESSURE DX	1,0000	0,00000	0,50061	-98,30	-101,25
43	HYDROSTATIC	1,0000	0,00000	0,50061	-80,80	-83,70
43	ROAD PAVEMENT	1,0000	0,00000	0,50061	-5,28	-5,28
43	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,50061	-24,00	-24,00
43	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,50061	-1,40	-1,40
43	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,50061	-2,00	-2,00
44	EARTH_PRESSURE DX	1,0000	0,00000	0,50061	-101,25	-104,20
44	HYDROSTATIC	1,0000	0,00000	0,50061	-83,70	-86,60
44	ROAD PAVEMENT	1,0000	0,00000	0,50061	-5,28	-5,28
44	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,50061	-24,00	-24,00
44	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,50061	-1,40	-1,40
44	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,50061	-2,00	-2,00
45	EARTH_PRESSURE DX	1,0000	0,00000	0,49901	-104,20	-106,50
45	HYDROSTATIC	1,0000	0,00000	0,49901	-86,60	-88,90
45	ROAD PAVEMENT	1,0000	0,00000	0,49901	-5,28	-5,28
45	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,49901	-24,00	-24,00
45	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,49901	-1,40	-1,40
45	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,49901	-2,00	-2,00
46	EARTH_PRESSURE DX	1,0000	0,00000	0,49901	-106,50	-108,80
46	HYDROSTATIC	1,0000	0,00000	0,49901	-88,90	-91,20

Table: Frame Loads - Distributed, Part 2 of 3

Frame	LoadPat	RelDistB	AbsDistA m	AbsDistB m	FOverLA KN/m	FOverLB KN/m
46	ROAD PAVEMENT	1,0000	0,00000	0,49901	-5,28	-5,28
46	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,49901	-24,00	-24,00
46	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,49901	-1,40	-1,40
46	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,49901	-2,00	-2,00
47	EARTH_PRESSURE DX	1,0000	0,00000	0,49922	-108,80	-110,20
47	HYDROSTATIC	1,0000	0,00000	0,49922	-91,20	-92,60
47	ROAD PAVEMENT	1,0000	0,00000	0,49922	-5,28	-5,28
47	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,49922	-24,00	-24,00
47	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,49922	-1,40	-1,40
47	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,49922	-2,00	-2,00
48	EARTH_PRESSURE DX	1,0000	0,00000	0,49922	-110,20	-111,60
48	HYDROSTATIC	1,0000	0,00000	0,49922	-92,60	-94,00
48	ROAD PAVEMENT	1,0000	0,00000	0,49922	-5,28	-5,28
48	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,49922	-24,00	-24,00
48	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,49922	-1,40	-1,40
48	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,49922	-2,00	-2,00
49	EARTH_PRESSURE DX	1,0000	0,00000	0,52170	-111,60	-113,05
49	HYDROSTATIC	1,0000	0,00000	0,52170	-94,00	-94,50
49	ROAD PAVEMENT	1,0000	0,00000	0,52170	-5,28	-5,28
49	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,52170	-24,00	-24,00
49	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,52170	-1,40	-1,40
49	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,52170	-2,00	-2,00
50	EARTH_PRESSURE DX	1,0000	0,00000	0,52170	-113,05	-114,50
50	HYDROSTATIC	1,0000	0,00000	0,52170	-94,50	-95,00
50	ROAD PAVEMENT	1,0000	0,00000	0,52170	-5,28	-5,28
50	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,52170	-24,00	-24,00
50	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,52170	-1,40	-1,40
50	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,52170	-2,00	-2,00
51	HYDROSTATIC	1,0000	0,00000	0,50307	-95,00	-94,50
52	HYDROSTATIC	1,0000	0,00000	0,50307	-94,50	-94,00
53	HYDROSTATIC	1,0000	0,00000	0,50047	-94,00	-92,60
54	HYDROSTATIC	1,0000	0,00000	0,50047	-92,60	-91,20
55	HYDROSTATIC	1,0000	0,00000	0,50102	-91,20	-88,90
56	HYDROSTATIC	1,0000	0,00000	0,50102	-88,90	-86,60
57	HYDROSTATIC	1,0000	0,00000	0,50160	-86,60	-83,70
58	HYDROSTATIC	1,0000	0,00000	0,50160	-83,70	-80,80
59	HYDROSTATIC	1,0000	0,00000	0,38282	-80,80	-80,80
60	HYDROSTATIC	1,0000	0,00000	0,38282	-80,80	-80,80
61	HYDROSTATIC	1,0000	0,00000	0,38282	-80,80	-80,80
62	HYDROSTATIC	1,0000	0,00000	0,38282	-80,80	-80,80
63	EARTH_PRESSURE DX	1,0000	0,00000	0,47625	-55,40	-59,70
63	HYDROSTATIC	1,0000	0,00000	0,47625	-38,20	-42,45

Table: Frame Loads - Distributed, Part 2 of 3

Frame	LoadPat	RelDistB	AbsDistA m	AbsDistB m	FOverLA KN/m	FOverLB KN/m
63	ROAD PAVEMENT	1,0000	0,00000	0,47625	-5,28	-5,28
63	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	-11,88	-11,88
63	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-24,00	-24,00
63	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-1,40	-1,40
63	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-2,00	-2,00
64	EARTH_PRESSURE DX	1,0000	0,00000	0,47625	-59,70	-64,00
64	HYDROSTATIC	1,0000	0,00000	0,47625	-42,45	-46,70
64	ROAD PAVEMENT	1,0000	0,00000	0,47625	-5,28	-5,28
64	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	-11,88	-11,88
64	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-24,00	-24,00
64	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-1,40	-1,40
64	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-2,00	-2,00
65	EARTH_PRESSURE DX	1,0000	0,00000	0,47625	-64,00	-68,30
65	HYDROSTATIC	1,0000	0,00000	0,47625	-46,70	-50,95
65	ROAD PAVEMENT	1,0000	0,00000	0,47625	-5,28	-5,28
65	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	-11,88	-11,88
65	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-24,00	-24,00
65	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-1,40	-1,40
65	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-2,00	-2,00
66	EARTH_PRESSURE DX	1,0000	0,00000	0,47625	-68,30	-72,60
66	HYDROSTATIC	1,0000	0,00000	0,47625	-50,95	-55,20
66	ROAD PAVEMENT	1,0000	0,00000	0,47625	-5,28	-5,28
66	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	-11,88	-11,88
66	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-24,00	-24,00
66	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-1,40	-1,40
66	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-2,00	-2,00
67	EARTH_PRESSURE DX	1,0000	0,00000	0,47625	-72,60	-76,85
67	HYDROSTATIC	1,0000	0,00000	0,47625	-55,20	-59,50
67	ROAD PAVEMENT	1,0000	0,00000	0,47625	-5,28	-5,28
67	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	-11,88	-11,88
67	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-24,00	-24,00
67	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-1,40	-1,40
67	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-2,00	-2,00
68	EARTH_PRESSURE DX	1,0000	0,00000	0,47625	-76,85	-81,10
68	HYDROSTATIC	1,0000	0,00000	0,47625	-59,50	-63,80
68	ROAD PAVEMENT	1,0000	0,00000	0,47625	-5,28	-5,28
68	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	-11,88	-11,88

Table: Frame Loads - Distributed, Part 2 of 3

Frame	LoadPat	RelDistB	AbsDistA m	AbsDistB m	FOverLA KN/m	FOverLB KN/m
68	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-24,00	-24,00
68	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-1,40	-1,40
68	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-2,00	-2,00
69	EARTH_PRESSURE DX	1,0000	0,00000	0,47625	-89,70	-94,00
69	HYDROSTATIC	1,0000	0,00000	0,47625	-72,30	-76,55
69	ROAD PAVEMENT	1,0000	0,00000	0,47625	-5,28	-5,28
69	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	-11,88	-11,88
69	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-24,00	-24,00
69	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-1,40	-1,40
69	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-2,00	-2,00
70	EARTH_PRESSURE DX	1,0000	0,00000	0,47625	-94,00	-98,30
70	HYDROSTATIC	1,0000	0,00000	0,47625	-76,55	-80,80
70	ROAD PAVEMENT	1,0000	0,00000	0,47625	-5,28	-5,28
70	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	-11,88	-11,88
70	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-24,00	-24,00
70	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-1,40	-1,40
70	DINAMIC EARTH PRESSURE	1,0000	0,00000	0,47625	-2,00	-2,00
71	HYDROSTATIC	1,0000	0,00000	0,47625	-80,80	-76,55
71	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	11,88	11,88
72	HYDROSTATIC	1,0000	0,00000	0,47625	-76,55	-72,30
72	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	11,88	11,88
73	HYDROSTATIC	1,0000	0,00000	0,47625	-63,80	-59,50
73	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	11,88	11,88
74	HYDROSTATIC	1,0000	0,00000	0,47625	-59,50	-55,20
74	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	11,88	11,88
75	HYDROSTATIC	1,0000	0,00000	0,47625	-55,20	-50,95
75	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	11,88	11,88
76	HYDROSTATIC	1,0000	0,00000	0,47625	-50,95	-46,70
76	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	11,88	11,88
77	HYDROSTATIC	1,0000	0,00000	0,47625	-46,70	-42,45
77	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	11,88	11,88
78	HYDROSTATIC	1,0000	0,00000	0,47625	-42,45	-38,20
78	VARIABLE TRAFFIC LOADS	1,0000	0,00000	0,47625	11,88	11,88

Table: Frame Loads - Distributed, Part 3 of 3

Table: Frame Loads - Distributed, Part 3 of 3

Frame	LoadPat	GUID
2	HYDROSTATIC	
2	EARTH	

Table: Frame Loads - Distributed, Part 3 of 3

Frame	LoadPat	GUID
2	ROAD PAVEMENT	
2	VARIABLE TRAFFIC LOADS	
2	VARIABLE TRAFFIC LOADS	
3	HYDROSTATIC EARTH	
3	ROAD PAVEMENT	
3	VARIABLE TRAFFIC LOADS	
3	VARIABLE TRAFFIC LOADS	
4	HYDROSTATIC EARTH	
4	ROAD PAVEMENT	
4	VARIABLE TRAFFIC LOADS	
4	VARIABLE TRAFFIC LOADS	
5	HYDROSTATIC EARTH	
5	ROAD PAVEMENT	
5	VARIABLE TRAFFIC LOADS	
5	VARIABLE TRAFFIC LOADS	
6	HYDROSTATIC EARTH	
6	ROAD PAVEMENT	
6	VARIABLE TRAFFIC LOADS	
6	VARIABLE TRAFFIC LOADS	
7	HYDROSTATIC EARTH	
7	ROAD PAVEMENT	
7	VARIABLE TRAFFIC LOADS	
7	VARIABLE TRAFFIC LOADS	
8	HYDROSTATIC EARTH	
8	EARTH_PRESSURE DX	
8	ROAD PAVEMENT	
8	ROAD PAVEMENT	
8	VARIABLE TRAFFIC LOADS	
8	VARIABLE TRAFFIC LOADS	
8	DINAMIC EARTH PRESSURE	
8	DINAMIC EARTH PRESSURE	
8	DINAMIC EARTH PRESSURE	
9	HYDROSTATIC EARTH	
9	EARTH_PRESSURE DX	
9	ROAD PAVEMENT	
9	ROAD PAVEMENT	

Table: Frame Loads - Distributed, Part 3 of 3

Frame	LoadPat	GUID
9	VARIABLE TRAFFIC LOADS	
9	VARIABLE TRAFFIC LOADS	
9	DINAMIC EARTH PRESSURE	
9	DINAMIC EARTH PRESSURE	
9	DINAMIC EARTH PRESSURE	
10	HYDROSTATIC	
10	EARTH	
10	EARTH_PRESSURE DX	
10	ROAD PAVEMENT	
10	ROAD PAVEMENT	
10	VARIABLE TRAFFIC LOADS	
10	VARIABLE TRAFFIC LOADS	
10	DINAMIC EARTH PRESSURE	
10	DINAMIC EARTH PRESSURE	
10	DINAMIC EARTH PRESSURE	
11	HYDROSTATIC	
11	EARTH	
11	EARTH_PRESSURE DX	
11	ROAD PAVEMENT	
11	ROAD PAVEMENT	
11	VARIABLE TRAFFIC LOADS	
11	VARIABLE TRAFFIC LOADS	
11	DINAMIC EARTH PRESSURE	
11	DINAMIC EARTH PRESSURE	
11	DINAMIC EARTH PRESSURE	
12	HYDROSTATIC	
12	EARTH	
12	EARTH_PRESSURE DX	
12	ROAD PAVEMENT	
12	ROAD PAVEMENT	
12	VARIABLE TRAFFIC LOADS	
12	VARIABLE TRAFFIC LOADS	
12	DINAMIC EARTH PRESSURE	
12	DINAMIC EARTH PRESSURE	
12	DINAMIC EARTH PRESSURE	
13	HYDROSTATIC	
13	EARTH	
13	EARTH_PRESSURE DX	
13	ROAD PAVEMENT	

Table: Frame Loads - Distributed, Part 3 of 3

Frame	LoadPat	GUID
13	ROAD PAVEMENT	
13	VARIABLE TRAFFIC LOADS	
13	VARIABLE TRAFFIC LOADS	
13	DINAMIC EARTH PRESSURE	
13	DINAMIC EARTH PRESSURE	
13	DINAMIC EARTH PRESSURE	
1	EARTH_PRESSURE DX	
1	HYDROSTATIC	
1	ROAD PAVEMENT	
1	VARIABLE TRAFFIC LOADS	
1	DINAMIC EARTH PRESSURE	
1	DINAMIC EARTH PRESSURE	
1	DINAMIC EARTH PRESSURE	
26	EARTH_PRESSURE DX	
26	HYDROSTATIC	
26	ROAD PAVEMENT	
26	VARIABLE TRAFFIC LOADS	
26	DINAMIC EARTH PRESSURE	
26	DINAMIC EARTH PRESSURE	
26	DINAMIC EARTH PRESSURE	
37	HYDROSTATIC	
37	VARIABLE TRAFFIC LOADS	
38	HYDROSTATIC	
38	VARIABLE TRAFFIC LOADS	
17	HYDROSTATIC	
33	HYDROSTATIC	
41	HYDROSTATIC	
42	HYDROSTATIC	
43	EARTH_PRESSURE DX	
43	HYDROSTATIC	
43	ROAD PAVEMENT	
43	DINAMIC EARTH PRESSURE	
43	DINAMIC EARTH PRESSURE	
43	DINAMIC EARTH PRESSURE	
44	EARTH_PRESSURE DX	
44	HYDROSTATIC	
44	ROAD PAVEMENT	
44	DINAMIC EARTH PRESSURE	
44	DINAMIC EARTH PRESSURE	

Table: Frame Loads - Distributed, Part 3 of 3

Frame	LoadPat	GUID
44	DINAMIC EARTH PRESSURE	
45	EARTH_PRESSURE DX	
45	HYDROSTATIC	
45	ROAD PAVEMENT	
45	DINAMIC EARTH PRESSURE	
45	DINAMIC EARTH PRESSURE	
45	DINAMIC EARTH PRESSURE	
46	EARTH_PRESSURE DX	
46	HYDROSTATIC	
46	ROAD PAVEMENT	
46	DINAMIC EARTH PRESSURE	
46	DINAMIC EARTH PRESSURE	
46	DINAMIC EARTH PRESSURE	
47	EARTH_PRESSURE DX	
47	HYDROSTATIC	
47	ROAD PAVEMENT	
47	DINAMIC EARTH PRESSURE	
47	DINAMIC EARTH PRESSURE	
47	DINAMIC EARTH PRESSURE	
48	EARTH_PRESSURE DX	
48	HYDROSTATIC	
48	ROAD PAVEMENT	
48	DINAMIC EARTH PRESSURE	
48	DINAMIC EARTH PRESSURE	
48	DINAMIC EARTH PRESSURE	
49	EARTH_PRESSURE DX	
49	HYDROSTATIC	
49	ROAD PAVEMENT	
49	DINAMIC EARTH PRESSURE	
49	DINAMIC EARTH PRESSURE	
49	DINAMIC EARTH PRESSURE	
50	EARTH_PRESSURE DX	
50	HYDROSTATIC	
50	ROAD PAVEMENT	
50	DINAMIC EARTH PRESSURE	
50	DINAMIC EARTH PRESSURE	
50	DINAMIC EARTH PRESSURE	
51	HYDROSTATIC	

Table: Frame Loads - Distributed, Part 3 of 3

Frame	LoadPat	GUID
52	HYDROSTATIC	
53	HYDROSTATIC	
54	HYDROSTATIC	
55	HYDROSTATIC	
56	HYDROSTATIC	
57	HYDROSTATIC	
58	HYDROSTATIC	
59	HYDROSTATIC	
60	HYDROSTATIC	
61	HYDROSTATIC	
62	HYDROSTATIC	
63	EARTH_PRESSURE DX	
63	HYDROSTATIC	
63	ROAD PAVEMENT	
63	VARIABLE TRAFFIC LOADS	
63	DINAMIC EARTH PRESSURE	
63	DINAMIC EARTH PRESSURE	
63	DINAMIC EARTH PRESSURE	
64	EARTH_PRESSURE DX	
64	HYDROSTATIC	
64	ROAD PAVEMENT	
64	VARIABLE TRAFFIC LOADS	
64	DINAMIC EARTH PRESSURE	
64	DINAMIC EARTH PRESSURE	
64	DINAMIC EARTH PRESSURE	
65	EARTH_PRESSURE DX	
65	HYDROSTATIC	
65	ROAD PAVEMENT	
65	VARIABLE TRAFFIC LOADS	
65	DINAMIC EARTH PRESSURE	
65	DINAMIC EARTH PRESSURE	
65	DINAMIC EARTH PRESSURE	
66	EARTH_PRESSURE DX	
66	HYDROSTATIC	
66	ROAD PAVEMENT	
66	VARIABLE TRAFFIC LOADS	
66	DINAMIC EARTH PRESSURE	
66	DINAMIC EARTH PRESSURE	
66	DINAMIC EARTH PRESSURE	
67	EARTH_PRESSURE DX	
67	HYDROSTATIC	
67	ROAD PAVEMENT	

Table: Frame Loads - Distributed, Part 3 of 3

Frame	LoadPat	GUID
67	VARIABLE TRAFFIC LOADS	
67	DINAMIC EARTH PRESSURE	
67	DINAMIC EARTH PRESSURE	
67	DINAMIC EARTH PRESSURE	
68	EARTH_PRESSURE DX	
68	HYDROSTATIC	
68	ROAD PAVEMENT	
68	VARIABLE TRAFFIC LOADS	
68	DINAMIC EARTH PRESSURE	
68	DINAMIC EARTH PRESSURE	
68	DINAMIC EARTH PRESSURE	
69	EARTH_PRESSURE DX	
69	HYDROSTATIC	
69	ROAD PAVEMENT	
69	VARIABLE TRAFFIC LOADS	
69	DINAMIC EARTH PRESSURE	
69	DINAMIC EARTH PRESSURE	
69	DINAMIC EARTH PRESSURE	
70	EARTH_PRESSURE DX	
70	HYDROSTATIC	
70	ROAD PAVEMENT	
70	VARIABLE TRAFFIC LOADS	
70	DINAMIC EARTH PRESSURE	
70	DINAMIC EARTH PRESSURE	
70	DINAMIC EARTH PRESSURE	
71	HYDROSTATIC	
71	VARIABLE TRAFFIC LOADS	
72	HYDROSTATIC	
72	VARIABLE TRAFFIC LOADS	
73	HYDROSTATIC	
73	VARIABLE TRAFFIC LOADS	
74	HYDROSTATIC	
74	VARIABLE TRAFFIC LOADS	
75	HYDROSTATIC	
75	VARIABLE TRAFFIC LOADS	
76	HYDROSTATIC	
76	VARIABLE TRAFFIC LOADS	
77	HYDROSTATIC	

Table: Frame Loads - Distributed, Part 3 of 3

Frame	LoadPat	GUID
77	VARIABLE TRAFFIC LOADS	
78	HYDROSTATIC	
78	VARIABLE TRAFFIC LOADS	

Table: Joint Loads - Force, Part 1 of 2

Table: Joint Loads - Force, Part 1 of 2

Joint	LoadPat	CoordSys	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
1	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
2	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
3	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
4	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
5	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
6	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
7	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
8	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
9	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
10	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
11	INERTIA	GLOBAL	-19,000	0,000	0,000	0,0000	0,0000
11	INERTIA	GLOBAL	-5,400	0,000	0,000	0,0000	0,0000
11	INERTIA	GLOBAL	-3,350	0,000	0,000	0,0000	0,0000
12	INERTIA	GLOBAL	-19,000	0,000	0,000	0,0000	0,0000
12	INERTIA	GLOBAL	-5,400	0,000	0,000	0,0000	0,0000
12	INERTIA	GLOBAL	-3,350	0,000	0,000	0,0000	0,0000
13	INERTIA	GLOBAL	-19,000	0,000	0,000	0,0000	0,0000
13	INERTIA	GLOBAL	-5,400	0,000	0,000	0,0000	0,0000
13	INERTIA	GLOBAL	-3,350	0,000	0,000	0,0000	0,0000
14	INERTIA	GLOBAL	-19,000	0,000	0,000	0,0000	0,0000
14	INERTIA	GLOBAL	-5,400	0,000	0,000	0,0000	0,0000
14	INERTIA	GLOBAL	-3,350	0,000	0,000	0,0000	0,0000
15	INERTIA	GLOBAL	-19,000	0,000	0,000	0,0000	0,0000
15	INERTIA	GLOBAL	-5,400	0,000	0,000	0,0000	0,0000
15	INERTIA	GLOBAL	-3,350	0,000	0,000	0,0000	0,0000
16	VARIABLE TRAFFIC LOADS2	GLOBAL	0,000	0,000	-300,000	0,0000	0,0000
16	INERTIA	GLOBAL	-72,000	0,000	0,000	0,0000	0,0000
16	INERTIA	GLOBAL	-19,000	0,000	0,000	0,0000	0,0000
16	INERTIA	GLOBAL	-5,400	0,000	0,000	0,0000	0,0000
16	INERTIA	GLOBAL	-3,350	0,000	0,000	0,0000	0,0000
17	INERTIA	GLOBAL	-19,000	0,000	0,000	0,0000	0,0000
17	INERTIA	GLOBAL	-5,400	0,000	0,000	0,0000	0,0000
17	INERTIA	GLOBAL	-3,350	0,000	0,000	0,0000	0,0000
18	VARIABLE TRAFFIC LOADS2	GLOBAL	0,000	0,000	-300,000	0,0000	0,0000
18	INERTIA	GLOBAL	-72,000	0,000	0,000	0,0000	0,0000
18	INERTIA	GLOBAL	-19,000	0,000	0,000	0,0000	0,0000
18	INERTIA	GLOBAL	-5,400	0,000	0,000	0,0000	0,0000
18	INERTIA	GLOBAL	-3,350	0,000	0,000	0,0000	0,0000
19	INERTIA	GLOBAL	-19,000	0,000	0,000	0,0000	0,0000
19	INERTIA	GLOBAL	-5,400	0,000	0,000	0,0000	0,0000
19	INERTIA	GLOBAL	-3,350	0,000	0,000	0,0000	0,0000
20	INERTIA	GLOBAL	-19,000	0,000	0,000	0,0000	0,0000
20	INERTIA	GLOBAL	-5,400	0,000	0,000	0,0000	0,0000
20	INERTIA	GLOBAL	-3,350	0,000	0,000	0,0000	0,0000
21	INERTIA	GLOBAL	-19,000	0,000	0,000	0,0000	0,0000
21	INERTIA	GLOBAL	-5,400	0,000	0,000	0,0000	0,0000

Table: Joint Loads - Force, Part 1 of 2

Joint	LoadPat	CoordSys	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
21	INERTIA	GLOBAL	-3,350	0,000	0,000	0,0000	0,0000
22	INERTIA	GLOBAL	-19,000	0,000	0,000	0,0000	0,0000
22	INERTIA	GLOBAL	-5,400	0,000	0,000	0,0000	0,0000
22	INERTIA	GLOBAL	-3,350	0,000	0,000	0,0000	0,0000
23	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
24	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
25	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
26	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
27	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
28	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
29	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
30	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
31	INERTIA	GLOBAL	-19,000	0,000	0,000	0,0000	0,0000
31	INERTIA	GLOBAL	-5,400	0,000	0,000	0,0000	0,0000
31	INERTIA	GLOBAL	-3,350	0,000	0,000	0,0000	0,0000
32	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
33	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
34	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
35	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
36	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
37	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
38	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
39	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
40	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
41	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
42	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
43	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
44	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
45	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
46	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
47	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
48	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
49	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
50	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
51	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
52	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
53	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
54	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
55	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000
56	INERTIA	GLOBAL	-5,300	0,000	0,000	0,0000	0,0000

Table: Joint Loads - Force, Part 2 of 2

Table: Joint Loads - Force, Part 2 of 2

Joint	LoadPat	M3	GUID
		KN-m	
1	INERTIA	0,0000	
2	INERTIA	0,0000	
3	INERTIA	0,0000	
4	INERTIA	0,0000	
5	INERTIA	0,0000	
6	INERTIA	0,0000	
7	INERTIA	0,0000	
8	INERTIA	0,0000	
9	INERTIA	0,0000	
10	INERTIA	0,0000	
11	INERTIA	0,0000	
11	INERTIA	0,0000	

Table: Joint Loads - Force, Part 2 of 2

Joint	LoadPat	M3 KN-m	GUID
11	INERTIA	0,0000	
12	INERTIA	0,0000	
12	INERTIA	0,0000	
12	INERTIA	0,0000	
13	INERTIA	0,0000	
13	INERTIA	0,0000	
13	INERTIA	0,0000	
14	INERTIA	0,0000	
14	INERTIA	0,0000	
14	INERTIA	0,0000	
15	INERTIA	0,0000	
15	INERTIA	0,0000	
15	INERTIA	0,0000	
16	VARIABLE TRAFFIC LOADS2	0,0000	
16	INERTIA	0,0000	
16	INERTIA	0,0000	
16	INERTIA	0,0000	
16	INERTIA	0,0000	
17	INERTIA	0,0000	
17	INERTIA	0,0000	
17	INERTIA	0,0000	
18	VARIABLE TRAFFIC LOADS2	0,0000	
18	INERTIA	0,0000	
18	INERTIA	0,0000	
18	INERTIA	0,0000	
18	INERTIA	0,0000	
19	INERTIA	0,0000	
19	INERTIA	0,0000	
19	INERTIA	0,0000	
20	INERTIA	0,0000	
20	INERTIA	0,0000	
20	INERTIA	0,0000	
21	INERTIA	0,0000	
21	INERTIA	0,0000	
21	INERTIA	0,0000	
22	INERTIA	0,0000	
22	INERTIA	0,0000	
22	INERTIA	0,0000	
23	INERTIA	0,0000	
24	INERTIA	0,0000	
25	INERTIA	0,0000	
26	INERTIA	0,0000	
27	INERTIA	0,0000	
28	INERTIA	0,0000	
29	INERTIA	0,0000	
30	INERTIA	0,0000	
31	INERTIA	0,0000	
31	INERTIA	0,0000	
31	INERTIA	0,0000	
32	INERTIA	0,0000	
33	INERTIA	0,0000	
34	INERTIA	0,0000	
35	INERTIA	0,0000	
36	INERTIA	0,0000	
37	INERTIA	0,0000	
38	INERTIA	0,0000	
39	INERTIA	0,0000	

Table: Joint Loads - Force, Part 2 of 2

Joint	LoadPat	M3 KN-m	GUID
40	INERTIA	0,0000	
41	INERTIA	0,0000	
42	INERTIA	0,0000	
43	INERTIA	0,0000	
44	INERTIA	0,0000	
45	INERTIA	0,0000	
46	INERTIA	0,0000	
47	INERTIA	0,0000	
48	INERTIA	0,0000	
49	INERTIA	0,0000	
50	INERTIA	0,0000	
51	INERTIA	0,0000	
52	INERTIA	0,0000	
53	INERTIA	0,0000	
54	INERTIA	0,0000	
55	INERTIA	0,0000	
56	INERTIA	0,0000	

Table: Load Pattern Definitions**Table: Load Pattern Definitions**

LoadPat	DesignType	SelfWtMult	AutoLoad	GUID	Notes
DEAD	DEAD	1,000000			
EARTH	DEAD	0,000000			
EARTH_PRESSURE DX	DEAD	0,000000			
EARTH_PRESSURE SX	DEAD	0,000000			
HYDROSTATIC	DEAD	0,000000			
ROAD PAVEMENT	DEAD	0,000000			
VARIABLE TRAFFIC LOADS	DEAD	0,000000			
VARIABLE TRAFFIC LOADS2	DEAD	0,000000			
DINAMIC EARTH PRESSURE	DEAD	0,000000			
INERTIA	DEAD	0,000000			