

COMMITTENTE:



ALTA SORVEGLIANZA:



GENERAL CONTRACTOR:



INFRASTRUTTURE FERROVIARIE STRATEGICHE DEFINITE DALLA LEGGE OBIETTIVO N. 443/01

TRATTA A.V. /A.C. TERZO VALICO DEI GIOVI PROGETTO DEFINITIVO

LINEA III VALICO – GENERALI GALLERIE NATURALI CUNICOLO VAL LEMME – INTERVENTI DI MESSA IN SICUREZZA DELL'IMBOCCO – RELAZIONE TECNICA E DI CALCOLO

GENERAL CONTRACTOR	ITALFERR S.p.A.
Consorzio Cociv Project Manager (Ing. Guagnozzi) Data: 26/03/2012	

COMMESSA	LOTTO	FASE	ENTE	TIPO DOC.	OPERA/DISCIPLINA	PROGR.	REV.
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Progettazione :

Rev	Descrizione	Redatto	Data	Verificato	Data	Progettista Integratore	Data	IL PROGETTISTA
B00	Emissione ex art.4 D.lgs 190/02	Fantauzzi	15/06/2005	Bellocchio	15/06/2005	Ognibene	15/06/2005	Ing. E. Ghislandi Data: 26/03/2012
E00	Adeguamento sicurezza in galleria	Ing. M. Frandino	16/03/2012	Ing. F. Colla	20/03/2012	Ing. E. Pagani	23/03/2012	

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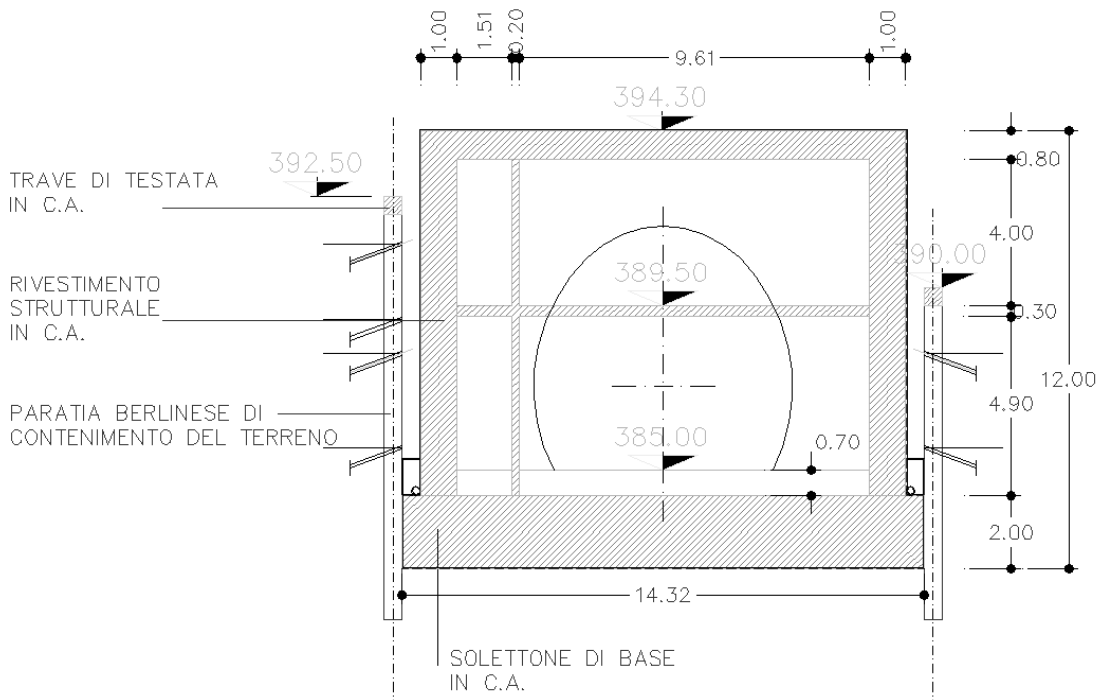
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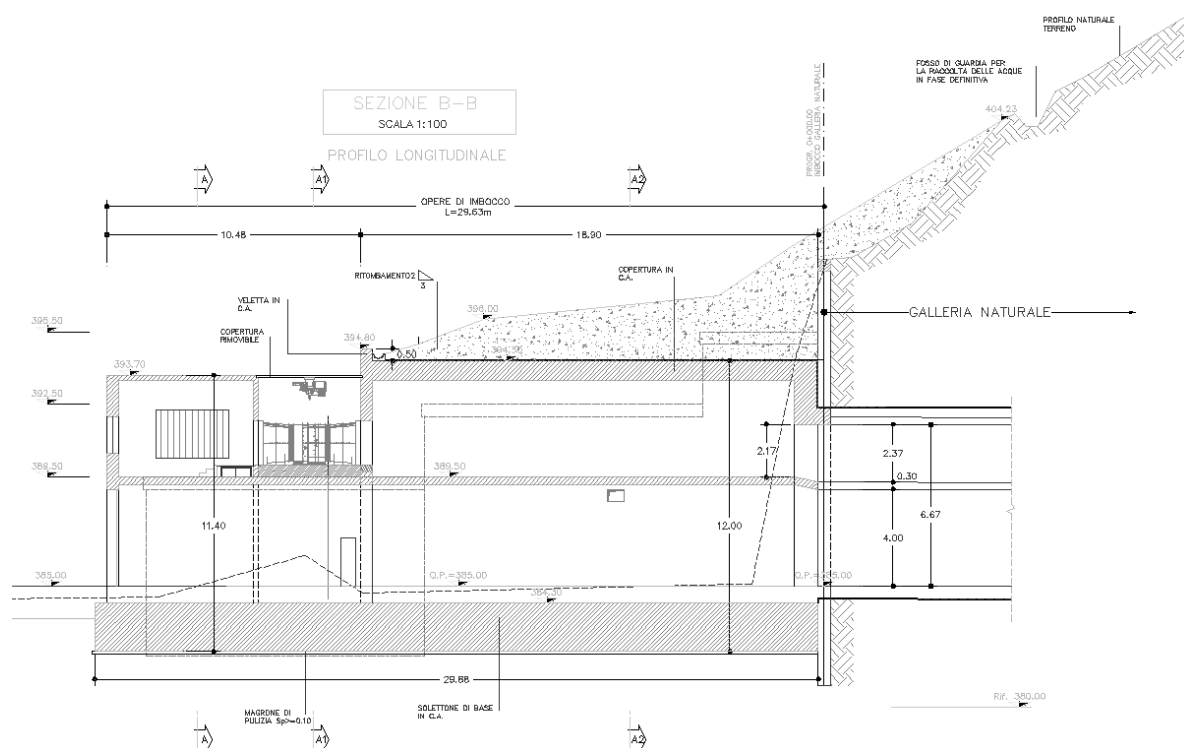
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1. INTRODUZIONE

Nella presente relazione è stato effettuato il calcolo del tratto di galleria artificiale dell'imbocco riguardante il cunicolo esplorativo Val di Lemme, appartenente alla tratta A.C. Milano-Genova - III Valico.

In particolare il calcolo ha riguardato lo schema strutturale di seguito rappresentato.





Le verifiche strutturali delle opere in esame sono state eseguite in condizioni sismiche secondo il D.M.96 (S=6).

All'interno del documento vengono inoltre descritti gli interventi per la messa in sicurezza delle paratie di micropali pluritirantate appartenenti all'esistente imbocco riguardante il cunicolo esplorativo Val Lemme.

L'imbocco risulta realizzato da paratie di micropali, con al massimo 4 ordini di tiranti; a seguito di fenomeni deformativi registrati dopo la realizzazione delle berlinesi, si è deciso di ritombare parzialmente la paratia sx. Per il monitoraggio e lo studio evolutivo degli spostamenti sviluppatesi è stata disposta una serie di letture topografiche periodiche di alcuni punti collocati sulle due paratie laterali, ed in particolare sulla paratia sx, ove, in data 6-1-2003, risultano spostamenti massimi dell'ordine di circa 3cm.

Alla luce di ciò, per la messa in sicurezza dell'imbocco, si è deciso di intervenire secondo lo schema seguente:

- A) INTERVENTI DI BREVE TERMINE – rimozione del terreno posto alla base delle paratie e realizzazione dei nuovi tiranti provvisori per le paratie esistenti, in sostituzione o ad integrazione di quelli privi di funzionalità;
- B) INTERVENTI A LUNGO TERMINE – realizzazione di uno scatolare in c.a a contrasto con le pareti esistenti in grado di resistere alle azioni provenienti dai sovraccarichi accidentali e dalle azioni di LT.

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Le analisi numeriche utili alla determinazione del numero di tiranti aggiuntivi necessari alla stabilità nel B.T. dell'opera in esame saranno descritte nel seguito della relazione. Le situazioni condotte analizzano principalmente gli effetti della nuova tirantatura sulla paratia di pali preesistente e già presollecitata. Poiché risulta incognito il grado di presollecitazione dei pali in acciaio (funzione della storia di carico e più nello specifico dei tiranti ancora efficaci di cui non è noto il numero) si sono ipotizzate due situazioni estreme a cui è stata aggiunta la nuova tirantatura:

- 1) Ipotesi di paratia di pali con perdita di funzionalità dei tiranti esistenti;
- 2) Ipotesi di paratia di pali con tiranti preesistenti ancora efficaci.

L'intervento oggetto della presente relazione è relativo alla zona di paratia di sx con due ordini di tiranti, che risulta essere stata parzialmente ritombata. Ad ogni modo, ai fini di sicurezza, dovranno essere realizzati nuovi tiranti anche nella zona di paratia con tre ordini di tiranti, adiacente al tratto in esame.

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2. **NORMATIVA E RACCOMANDAZIONI**

La progettazione è conforme alle seguenti normative

Legge 5/11/1971 n. 1086

Norme per la disciplina delle opere di conglomerato cementizio armato, normale e precompresso ed a struttura metallica.

Legge n°64 del 2 febbraio 1974

Provvedimenti per le costruzioni con particolari prescrizioni per le zone sismiche.

Circolare Ministero lavori Pubblici n 11951 del 14/2/1974

Legge 5 novembre 1971, n. 1086. Norme per la disciplina delle opere di conglomerato cementizio armato, normale e precompresso ed a struttura metallica. Istruzioni per l'applicazione.

Circolare Ministero Lavori Pubblici n. 20049

Legge 5 novembre 1971 n. 1086 - Istruzioni relative ai controlli sul conglomerato cementizio adoperato per le strutture cemento armato.

Istruzioni C.N.R. 10012-81

Azioni sulle costruzioni.

Decreto Ministero Lavori Pubblici 11 /3/ 1988

Norme tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione, l'esecuzione e il collaudo delle opere di sostegno delle terre e delle opere di fondazione.

Circolare Ministero dei lavori Pubblici n. 30483 del 24/9/1988

Legge 2 febbraio 1974 art. I-D.M. Il marzo 1988. Norme tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione l'esecuzione e il collaudo delle opere di sostegno delle terre e delle opere di fondazione. Istruzioni per l'applicazione.

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Nota Ministero Lavori Pubblici n. 183 de/13/4/1989

D.M. 11.3.88. Norme tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, la progettazione e il collaudo delle opere di sostegno delle terre e delle opere di fondazione.

Decreto Ministero lavori Pubblici 14/02/1992

Norme tecniche per l'esecuzione delle opere in cemento armato normale e precompresso e per le strutture metalliche.

Decreto Ministero lavori Pubblici 9/01/1996

Norme tecniche per il calcolo, l'esecuzione ed il collaudo delle strutture in cemento armato, normale e precompresso e per le strutture metalliche.

Decreto Ministero lavori Pubblici 16/01/1996

Norme tecniche per le costruzioni in zone sismiche.

Decreto Ministero Lavori Pubblici 16/01/1996

Norme tecniche relative ai "Carichi generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi".

Circolare Ministero Lavori Pubblici 15110/1996 n. 252

Istruzioni per l'applicazione delle Norme tecniche per il calcolo, l'esecuzione ed il collaudo delle opere in cemento armato normale e precompresso e per le strutture metalliche di cui al D. M. 9/01/96.

A.I.C.A.P. 1993

Ancoraggi nei terreni e nelle rocce - Raccomandazioni.

ITALFERR

Linee guida per la progettazione, la costruzione ed il calcolo di nuove opere ferroviarie in sotterraneo - 1993.

ITALFERR – SIS T.A.V.

Manuale di progettazione – sezione VII – “Prescrizione per la progettazione esecutiva” – 1993.

3. INTERVENTI A BREVE TERMINE

3. ANALISI DEGLI INTERVENTI A BREVE TERMINE

3.1 CALCOLO

3.1.1 Premessa

Per il calcolo degli interventi a B.T. è stato utilizzato il programma "PARATIE" della Ce.A.S. vers. 6.0 con il quale sono state determinate le sollecitazioni nelle paratie.

Tale programma affronta il problema della simulazione di uno scavo sostenuto da diaframmi flessibili attraverso il metodo degli elementi finiti, la schematizzazione del fenomeno fisico è del tipo "Trave su suolo elastico" detto anche terreno alla Winkler. I diaframmi vengono rappresentati come elementi trave il cui comportamento flessionale è definito dalla rigidezza flessionale EJ , mentre il terreno viene simulato attraverso elementi elastoplastici monodimensionali (molle) connessi ai nodi delle paratie.

Con questo modello di calcolo la realizzazione dello scavo sostenuto da paratie in c.a. viene seguita in tutte le varie fasi. L'analisi con il modello ad elementi finiti è quindi un'analisi "Statica Incrementale": ogni passo coincide con una ben precisa configurazione caratterizzata da una data quota di scavo, dai contrasti e da una distribuzione di carichi applicati. Poiché il comportamento degli elementi finiti è di tipo elastoplastico, ogni configurazione dipende in generale dalle configurazioni precedenti: lo sviluppo di deformazioni plastiche ad un certo step di carico condiziona la risposta della struttura negli step successivi. I parametri che caratterizzano il modello possono essere distinti in due classi: parametri di spinta e parametri di deformabilità del terreno.

I parametri di spinta sono il coefficiente di spinta a riposo K_0 , il coefficiente di spinta attiva K_a e il coefficiente di spinta passiva K_p . I parametri di deformabilità del terreno compaiono nella definizione della rigidezza delle molle. Le due

componenti di sforzo verticale ed orizzontale vengono intese come sforzi principali. Viene definita una funzione di plasticità dipendente da esse, e la funzione anzidetta determina i confini di una regione entro la quale è determinato lo stato tensionale. A seconda dello stato in cui l'elemento si trova, esso reagisce con differenti caratteristiche di rigidità.

Sono possibili tre situazioni:

1. Fase elastica: l'elemento si comporta elasticamente; questa fase corrisponde ad una porzione di terreno in fase di scarico-ricarico, sollecitato a livelli di sforzo al di sotto dei massimi livelli precedentemente sperimentati. Questa fase viene identificata con la sigla UL-RL (Unloading-Reloading).

2. Fase incrudente: l'elemento viene sollecitato a livelli di tensione mai ancora sperimentati. La fase incrudente è identificata dalla sigla V - C (Virgin Compression)

3. Collasso : il terreno è sottoposto ad uno stato di sollecitazione coincidente con i limiti minimo o massimo dettati dalla resistenza del materiale. Questa fase corrisponde a quelle che solitamente vengono chiamate condizioni di spinta attiva o passiva. Il collasso viene identificato attraverso la parola Active o Passive.

3.1.2 Parametri geotecnici

I parametri geotecnici utilizzati per l'analisi nel B.T. rappresentano i valori medi del relativo intervallo di variabilità determinato nella relazione geotecnica cod. A301 00 E 07 RB GA0100 001 A. Tali parametri sono:

Coltre detritica di alterazione delle Argilliti di Palombini (da 0 m a 2.5 m):

- peso di volume $\gamma = 19 \text{ KN/m}^3$
- angolo di attrito $\phi' = 27^\circ$

- coesione $c' = 15 \text{ KPa}$
- modulo elastico $E = 10 \text{ MPa}$
- coeff. spinta attiva $K_a = 0.35$
- coeff. spinta attiva sismico $K_{ae} = 0.36$

La potenza dello strato precedente è data dal valore medio degli spessori di coltre detritica determinati nei sondaggi realizzati nella zona in esame.

Argilliti a Palombini (da 2.5 m in poi):

- peso di volume $\gamma = 23 \text{ KN/m}^3$
- angolo di attrito $\phi' = 22^\circ$
- coesione $c' = 75 \text{ KPa}$
- modulo elastico $E = 25 \text{ MPa} + 1.5 \cdot z \text{ MPa/m}$
(essendo z la profondità)
- coeff. spinta attiva $K_a = 0.426$
- coeff. spinta attiva sismico $K_{ae} = 0.439$

Ai fini del calcolo i tratti di terreno inclinati sono stati modellati mediante strisce affiancate della larghezza di 2 m e di lunghezza indefinita. Tali carichi sono stati direttamente implementati nel modello di calcolo; l'inclinazione del terreno è pari a 17° a partire da una distanza di 6.00 dalla testa della paratia analizzata. L'angolo d'influenza delle strisce rispetto alle paratie è stato considerato di 45° .

Il carico attribuito a ciascuna striscia è dato dalla seguente formula:

$$Q = \gamma \times H_m \times B$$

in cui:

γ = peso specifico del terreno

H_m = altezza media della porzione di terreno (striscia) considerata

3.1.3 Caratteristiche dei materiali

Per le opere realizzate e da realizzare, si hanno o seguenti materiali:

Calcestruzzo per micropali

- cls classe $R_{ck} \geq 25$ MPa

Tiranti con barre DYWIDAG

- $f_{ptk} \geq 1030$ MPa
- $f_{pyk} \geq 835$ MPa

La tensione ammissibile, ricavata secondo le Raccomandazioni AICAP, (cfr. par. 5.4.2.), vale:

$$\sigma_{amm} = 0.9 \times 0.60 \times f_{ptk} = 556 \text{ MPa}$$

da cui:

$$T_{amm} = 0.90 \cdot 0.60 \cdot f_{ptk} \cdot A_b$$

dove:

T_{amm} = tiro ammissibile della barra Dywidag = 249 kN

f_{ptk} = tensione caratteristica a rottura = 1030 MPa

A_b = area della barra adottata ($\phi = 26,5$ mm) = 552 mm²

Acciaio per micropali

- Fe510
- $\sigma_{f,amm} \geq 240$ MPa

Acciaio per profilati

- Fe430
- $\sigma_{f,amm} \geq 190$ MPa

Inoltre per l'iniezione dei tiranti da realizzare si dovrà prevedere una miscela cementizia così composta:

Miscela cementizia per iniezione dei tiranti

MISCELA DI GUAINA

- Cemento tipo 425
- Rapporto acqua/cemento ≈ 0.55
- Bentonite $\approx 3\% \div 5\%$
- Densità ≈ 18 KN/m³
- Viscosità Marsh $\approx 43''$ a 4 mm

MISCELA D'INIEZIONE

- Cemento tipo 425 ($\approx 4500 \text{ cm}^2/\text{g}$ Blaine)
- Rapporto acqua/cemento $\approx 0.5 \div 0.8$
- Additivo fluidificante $\approx 4\%$
- Densità $\approx 18 \text{ KN/m}^3 \div 13 \text{ KN/m}^3$
- Viscosità Marsh $\approx 23''$ a 8 mm

3.1.4 Carichi

Oltre alla spinta del terreno, data in automatico dal programma, sono stati considerati i seguenti carichi aggiuntivi:

- 1) sovraccarico accidentale laterale = 20 KN/m^2
- 2) sisma (S=6)

Nell'ambito dell'intervento in esame dovranno essere posizionati tubi drenanti al fine di evitare spinte idrostatiche.

3.1.5 Descrizione dell'intervento

L'esecuzione dell'intervento in esame dovrà avvenire secondo le seguenti fasi costruttive:

- 1) ritombamento della zona con tre ordini di tiranti, per il posizionamento della perforatrice;
- 2) scavo fino a quota -1.80 m rispetto all'estradosso della trave di coronamento del tratto di paratia con tre ordini di tiranti già realizzati;
- 3) realizzazione del primo ordine di tiranti, nel tratto di paratia con tre ordini di

tiranti, a quota -1.30 m dall'estradosso della trave di coronamento attraverso le seguenti fasi:

- perforazione secondo la geometria di progetto;
 - posa in opera del tirante, dotato di distanziatori e canne per la successiva cementazione del bulbo di ancoraggio;
 - cementazione di guaina;
 - valvola d'iniezione in pressione ogni 2 m (pressione di rifiuto \approx 40 bar con 100 lt/valvola)
 - posizionamento delle travi di correa;
 - fissaggio del tirante;
 - prima di procedere al fissaggio della testa sarà necessario attendere la completa maturazione della miscela iniettata per il bulbo di ancoraggio, per un tempo dell'ordine di almeno 72 ore;
 - pretensionamento del tirante;
- 4) scavo fino a quota -4.80 m rispetto all'estradosso della trave di coronamento del tratto di paratia con tre ordini di tiranti già realizzati;
- 5) realizzazione del secondo ordine di tiranti, nel tratto di paratia con tre ordini di tiranti già realizzati, a quota -4.30 m dall'estradosso della trave di coronamento e del primo ordine di tiranti, nel tratto di paratia con due ordini di tiranti già realizzati, a quota -1.30 m dall'estradosso della trave di coronamento. Le fasi di realizzazione dei tiranti sono identiche a quelle riportate nel precedente punto 3;
- 6) scavo fino a quota -7.80 m rispetto all'estradosso della trave di coronamento del tratto di paratia con tre ordini di tiranti già realizzati;
- 7) realizzazione del terzo ordine di tiranti, nel tratto di paratia con tre ordini di tiranti già realizzati, a quota -7.30 m dall'estradosso della trave di coronamento e del secondo ordine di tiranti, nel tratto di paratia con due

ordini di tiranti già realizzati, a quota -4.30 m dall'estradosso della trave di coronamento. Le fasi di realizzazione dei tiranti sono identiche a quelle riportate nel precedente punto 3;

8) rimozione completa del terreno riportato a valle della paratia lato sx.

3.1.6 Fasi esecutive adottate nel calcolo

Si riportano di seguito le fasi costruttive, adottate nel calcolo, relative agli interventi di stabilizzazione delle paratie di micropali per ciascuna delle due ipotesi considerate, cioè:

- a) perdita completa di funzionalità da parte di tutti i tiranti precedentemente realizzati;
- b) nessuna perdita di funzionalità da parte dei tiranti precedentemente realizzati.

Il tratto di paratia esaminato è quello di sx, con due ordini di tiranti; in tale zona la paratia è stata parzialmente ritombata a seguito dei fenomeni deformativi riscontrati per la perdita di funzionalità di alcuni tiranti.

La paratia analizzata è stata realizzata con micropali lunghi 10.50 m, aventi una lunghezza d'infissione di 3 m; questi sono stati realizzati attraverso un preforo di diametro pari a 180 mm riempito di cls e armato con un tubo metallico $\phi = 127$ mm, dello spessore di 10 mm. L'interasse fra i pali è pari a 40 cm. I tiranti sono disposti su due ordini e le travi di correa sono costituite da due profilati HEB180 accoppiati.

Le caratteristiche geometriche e meccaniche di un tubo $\varnothing 127$ mm sp.10 mm sono le seguenti:

$$A = 3676 \text{ mm}^2$$

Area

$$W = 99771 \text{ mm}^3$$

Modulo di resistenza

$$J = 6335465 \text{ mm}^4$$

Momento d'inerzia

Per la tipologia di paratia in esame, il programma 'PARATIE' provvede a calcolare uno spessore equivalente omogeneizzando rispetto alla parte metallica o alla camicia esterna in cls.

Indicando con:

E_1, E_2	i moduli elastici dei due materiali (acciaio e calcestruzzo)
E_{om}	il modulo elastico del materiale scelto per l'omogeneizzazione
J_1, J_2	i momenti d'inerzia dei due elementi considerati (somma elementi in acciaio e calcestruzzo)
N	il numero di pali per unità di profondità della paratia (nel nostro caso = 2.5)
J_{eq}	momento d'inerzia equivalente
t	lo spessore equivalente (incognita)

abbiamo:

$$J_{eq} = (E_1 J_1 + E_2 J_2) / (E_{om} N)$$

Avendo considerato nullo il contributo del cls, si ha:

$$t = \sqrt[3]{(12 J_{eq})} = 0.05646 \text{ m}$$

3.1.6.1 Perdita completa di funzionalità da parte di tutti i tiranti precedentemente realizzati

Le fasi considerate nel calcolo sono le seguenti:

- (1) Geostatica - realizzazione paratia
- (2) Scavo fino a quota -2.30 m dal p.c.
- (3) Realizzazione primo ordine di tiranti a quota -1.80 m dal p.c.
- (4) Scavo fino a quota -5.30 m dal p.c.
- (5) Realizzazione secondo ordine di tiranti a quota -4.80 m dal p.c.
- (6) Scavo fino a quota -7.50 m dal p.c. (quota fondo scavo)
- (7) Accidentali laterali
- (8) Perdita funzionalità dei tiranti del primo ordine
- (9) Perdita funzionalità dei tiranti del secondo ordine
- (10) Introduzione del terreno di riporto a valle
- (11) Realizzazione di tiranti a quota -1.30 m dal p.c.
- (12) Realizzazione di tiranti a quota -4.30 m dal p.c.
- (13) Rimozione accidentali laterali
- (14) Rimozione terreno di riporto
- (15) Sisma

Le analisi condotte si riferiscono ai tratti di paratia monitorata con 2 ordini di tiranti esistenti.

3.1.6.2 Nessuna perdita di funzionalità da parte di tutti i tiranti precedentemente realizzati

Le fasi considerate nel calcolo sono le seguenti:

- (1) Geostatica – realizzazione paratia
- (2) Scavo fino a quota -2.30 m dal p.c.
- (3) Realizzazione primo ordine di tiranti a quota -1.80 m dal p.c.
- (4) Scavo fino a quota -5.30 m dal p.c.
- (5) Realizzazione secondo ordine di tiranti a quota -4.80 m dal p.c.
- (6) Scavo fino a quota -7.50 m dal p.c. (quota fondo scavo)
- (7) Accidentali laterali
- (8) Introduzione del terreno di riporto a valle
- (9) Realizzazione di tiranti a quota -1.30 m dal p.c.
- (10) Realizzazione di tiranti a quota -4.30 m dal p.c.
- (11) Rimozione accidentali laterali
- (12) Rimozione terreno di riporto
- (13) Sisma

Le analisi condotte si riferiscono ai tratti di paratia monitorata con 2 ordini di tiranti esistenti.

3.1.7 Caratteristiche dei tiranti

I tiranti realizzati e quelli ipotizzati per essere introdotti ad integrazione di quelli esistenti, hanno le seguenti caratteristiche:

Tiranti realizzati

Quota rispetto al p.c. (m)	Trefoli da 0.6" (n°)	Inclinaz. (°)	Interasse (m)	Lunghezza libera (m)	Fondazione (m)	Pretensione (KN)
-1.80	3	20	3.00	9.50	6.00	181.05
-4.80	3	20	3.00	9.50	8.00	129.35

Tiranti da realizzare: paratia lato sx con due ordini di tiranti

Quota rispetto al p.c. (m)	Diametro barre DYWIDAG (mm)	Inclinaz. (°)	Interasse (m)	Lunghezza libera (m)	Fondazione (m)	Pretensione (KN)
-1.30	26.5	20	3.00	12	8.00	180
-4.30	26.5	20	3.00	10	6.00	120

Il dimensionamento dei tiranti relativi alla precedente tabella è riportato nei successivi paragrafi.

Tiranti da realizzare: paratia lato sx con tre ordini di tiranti

Quota rispetto al p.c. (m)	Diametro barre DYWIDAG (mm)	Inclinaz. (°)	Numero tiranti	Lunghezza libera (m)	Fondazione (m)	Pretensione (KN)
-1.30	26.5	20	1	14	8.00	60
-4.30	26.5	20	1	12	8.00	180
-7.30	26.5	20	1	10	6.00	120

I precedenti tiranti appartengono al tratto di paratia adiacente a quello ritombato; il dimensionamento di tali tiranti è stato condotto per analogia con i tiranti già realizzati (v. "Relazione tecnica paratia berlinese" doc. A300 CE ECV RO GN12IB 01 01 01 B) e con quelli, con due ordini, che dovranno essere realizzati nel tratto adiacente calcolati nella presente relazione.

3.2 RISULTATI DELLE ANALISI

3.2.1 Verifica micropali berlinese

Di seguito verranno riportati i risultati inerenti agli spostamenti e alle sollecitazioni massime di momento flettente e taglio nel tratto di paratia analizzato. Tali caratteristiche di sollecitazione, assieme al corrispondente sforzo normale, forniscono le massime tensioni a cui lavora la struttura analizzata.

I risultati delle analisi condotte, riportati in allegato, hanno evidenziato i seguenti spostamenti in sommità:

- a) nel caso di perdita completa di funzionalità da parte di tutti i tiranti precedentemente realizzati:

$$S = 15.2 \text{ cm}$$

- b) nel caso di nessuna perdita di funzionalità da parte dei tiranti precedentemente realizzati:

$$S = 0.9 \text{ cm}$$

La situazione attuale registra spostamenti massimi in sommità pari a 3.2 cm. Pertanto la situazione reale è da collocarsi fra le due schematizzazioni precedenti. Dalle analisi effettuate e dalle deformazioni registrate sulla paratia realizzata, si evince quindi una parziale perdita di efficienza dei tiranti realizzati.

Le caratteristiche di sollecitazione che danno luogo alle tensioni massime nelle sezioni dei micropali, per i due casi esaminati, sono riportate nel seguito assieme alle relative verifiche di sezione:

- a) caso di perdita completa di funzionalità da parte di tutti i tiranti precedentemente realizzati:

Elemento n° 42

Quota -7.8 m dal p.c.

$M = 23.55 \text{ KNm/m}$

$T = 13.53 \text{ KN/m}$

Per le verifiche, si ha:

$$\sigma_s = M / W = [23550000 \text{ Nmm/m} \times 0.4 \text{ m}] / (99771 \text{ mm}^3) = 94.42 \text{ MPa}$$

$$\tau = 2 \times T / A = 2 \times 13530 \text{ N/m} \times 0.40 \text{ m} / 3676 \text{ mm}^2 = 2.94 \text{ MPa}$$

essendo 0.40 m l'interasse fra i pali.

Per cui in definitiva si ha :

$$\sigma_{id} = \sqrt{(\sigma_s^2 + 3 \tau^2)} = 94.55 \text{ MPa} < \sigma_{f,amm} = 240 \text{ MPa}$$

b) caso di nessuna perdita di funzionalità da parte dei tiranti precedentemente realizzati:

Elemento n° 8

Quota -1.3 m dal p.c.

$$M = 26.31 \text{ KNm/m}$$

$$T = 40.80 \text{ KN/m}$$

Per le verifiche, si ha:

$$\sigma_s = M / W = [26310000 \text{ Nmm/m} \times 0.4 \text{ m}] / (99771 \text{ mm}^3) = 105.48 \text{ MPa}$$

$$\tau = 2 \times T / A = 2 \times 40800 \text{ N/m} \times 0.40 \text{ m} / 3676 \text{ mm}^2 = 8.88 \text{ MPa}$$

essendo 0.40 m l'interasse fra i pali.

Per cui in definitiva si ha :

$$\sigma_{id} = \sqrt{(\sigma_s^2 + 3 \tau^2)} = 106.59 \text{ MPa} < \sigma_{f,amm} = 240 \text{ MPa}$$

Pertanto in entrambe i casi analizzati le verifiche risultano soddisfatte.

3.2.2 Verifiche tiranti

I tiranti utilizzati per contrastare la paratia realizzata saranno del tipo con barre DYWIDAG.

La lunghezza di ancoraggio è stata calcolata come valore massimo ottenuto attraverso le seguenti espressioni:

Bustamante e Doix:

La lunghezza di ancoraggio viene valutata in base alle Raccomandazioni AICAP considerando due meccanismi di rottura (barra/bulbo e bulbo/terreno) ed adottando per il calcolo della L_{anc} quello fra bulbo e terreno in quanto fornisce un valore della tensione di aderenza che risulta inferiore.

La tensione di aderenza tra il bulbo ed il terreno è determinata in funzione della profondità dell'ancoraggio da piano campagna e dei parametri geomeccanici utilizzati nel calcolo.

La profondità di calcolo per la tensione verticale agente sul bulbo viene valutata con le seguenti formule:

$$d = z_i + (L_{lib} + 2.00) \tan i$$

$$\sigma_v = \gamma z + q$$

$$\tau_{ad} = c' + \sigma_v \tan \phi'$$

$$L_{anc} = P_{es} \times F_s / (\alpha \times \tau_{ad} \times \pi \times D)$$

essendo:

z_i = quota della testa del tirante

L_{lib} = lunghezza libera tirante

i = angolo di inclinazione tirante
 γ = peso di volume del terreno
 d = distanza del bulbo di ancoraggio dal p.c.
 q = sovraccarico
 c' = coesione
 ϕ' = angolo di attrito
 F_s = coefficiente di sicurezza allo sfilamento
 P_{es} = carico in esercizio del tirante
 τ_{ad} = tensione di aderenza malta/terreno
 α = coeff. funzione della modalità esecutiva dei tiranti e dei terreni
 D = diametro del bulbo

Bowles:

In questo caso la lunghezza di ancoraggio è stata determinata attraverso la seguente espressione:

$$P_{es} = \pi D \gamma d L_{anc} K \operatorname{tg} \phi' + c_a \pi D L_{anc}$$

ove:

P_{es} = carico in esercizio del tirante
 D = diametro del bulbo
 d = distanza del bulbo dal p.c.
 L_{anc} = lunghezza del bulbo (incognita)
 K = coefficiente di spinta (= K_0 per tiranti iniettati a pressione)
 ϕ' = angolo di attrito del terreno
 c_a = adesione $\approx 0.7 c'$ (coesione drenata)

Nel calcolo delle lunghezze di ancoraggio dei tiranti, a vantaggio della sicurezza, si è assunta l'inclinazione del terreno uguale a zero.

I tratti liberi sono stati calcolati andando ad ancorare il bulbo di fondazione oltre il cuneo di spinta.

Nella seguente tabella è riportato in sintesi il calcolo dei tiranti adottati per il tratto di paratia analizzato alla luce delle considerazioni appena fatte.

Le singole barre adottate hanno un diametro nominale 26.5 mm con una sezione di area pari a 552 mm².

Calcolo lunghezza tiranti paratia

$Q =$	10.50 m	Quota di testa paratia
$Q_f =$	3.00 m	Quota fondo scavo
$H_{sc} =$	7.50 m	Altezza di scavo
$H_{tot} =$	10.50 m	Altezza totale paratia
$H_{inf} =$	3.00 m	Profondità d'infissione
$\gamma =$	19.0 KN/m ³	Peso specifico terreno
$D =$	120 mm	Diametro di perforazione
$\phi =$	22 °	Angolo di attrito
$K_0 =$	0.625	Coefficiente di spinta in quiete (per tiranti iniettati a pressione)
$\beta =$	0.0 °	Angolo di inclinazione terreno
$\alpha =$	1.2	Coefficiente funzione della modalità esecutiva dei tiranti e della natura dei terreni
$F_s =$	2.0	Coefficiente di sicurezza globale
$f_{pyk} =$	835 N/mm ²	Tensione caratteristica allo snervamento dell'acciaio
$f_{ptk} =$	1030 N/mm ²	Tensione caratteristica a rottura dell'acciaio
$\Phi_b =$	26.5 mm	Diametro nominale barra DIWIDAG
$T_{am} =$	249 KN	Portata ammissibile barra

Quota asse tiranti	Quota tiranti dal p.c.	c'	i	d	N° barre	Interasse tiranti	Sollecitazioni a ml				Sollecitazioni sul tirante			Lunghezza tiranti		
							Tiro Iniziale	Tiro Esercizio	Tiro Iniziale	Tiro Esercizio	Tiro in esercizio ammisibile	Tiro in esercizio	L libera adottata	L fondaz. adottata	L totale	
m	m	KPa	°	m		m	KN/m	KN/m	KN	KN	KN	KN	m	m	m	
9.20	1.30	75	20	6.1	1	3.0	60	60	180	180	249	180	12	8	20	
6.20	4.30	75	20	8.4	1	3.0	40	40	120	120	249	120	10	6	16	

c' = coesione drenata

i = inclinazione tirante

d = distanza del tratto iniziale del bulbo di fondazione + 2.00 m di fondazione, dal p.c.

3.2.3 Dimensionamento delle longarine

Le longarine sono calcolate come travi continue; la combinazione più sfavorevole per il dimensionamento delle longarine, individuata analizzando l'intero sviluppo della paratia di imbocco, induce un carico ripartito pari a:

$$q = \frac{180 \text{ KN}}{3.0 \text{ m}} = 60 \text{ KN/m}$$

L'interasse degli appoggi vale:

$$l = 3.0 \text{ m.}$$

Ammettendo una ripartizione dei momenti su trave continua con un valore massimo all'appoggio di:

$$M_{\max} = \frac{ql^2}{10} = 45 \text{ KNm}$$

ed un taglio di:

$$T_{\max} = \frac{ql}{2} = 90 \text{ KN}$$

Utilizzando due HEB 120 accoppiate, si ha:

PROFILATI

SERIE | HEB

PROFILO | 120

FE | 430

VERIFICA DELLE SEZIONI

SFORZO NORMALE FLESSIONE E TAGLIO

N [Kg] ≈ 0

M [Kgm] ≈ 2250

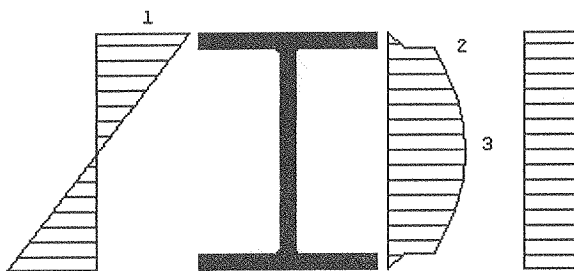
T [Kg] ≈ 4500

σ_{amm} [Kg/cm²] = 1900.00

1 σ_{max} [Kg/cm²] = 1562.50

2 σ_{id} [Kg/cm²] = 1620.23

3 σ_{id} [Kg/cm²] = 1146.37



Essendo:

$$\sigma_{id} = \sqrt{(\sigma_s^2 + 3 \tau^2)}$$

con:

$$\sigma_s = M / W$$

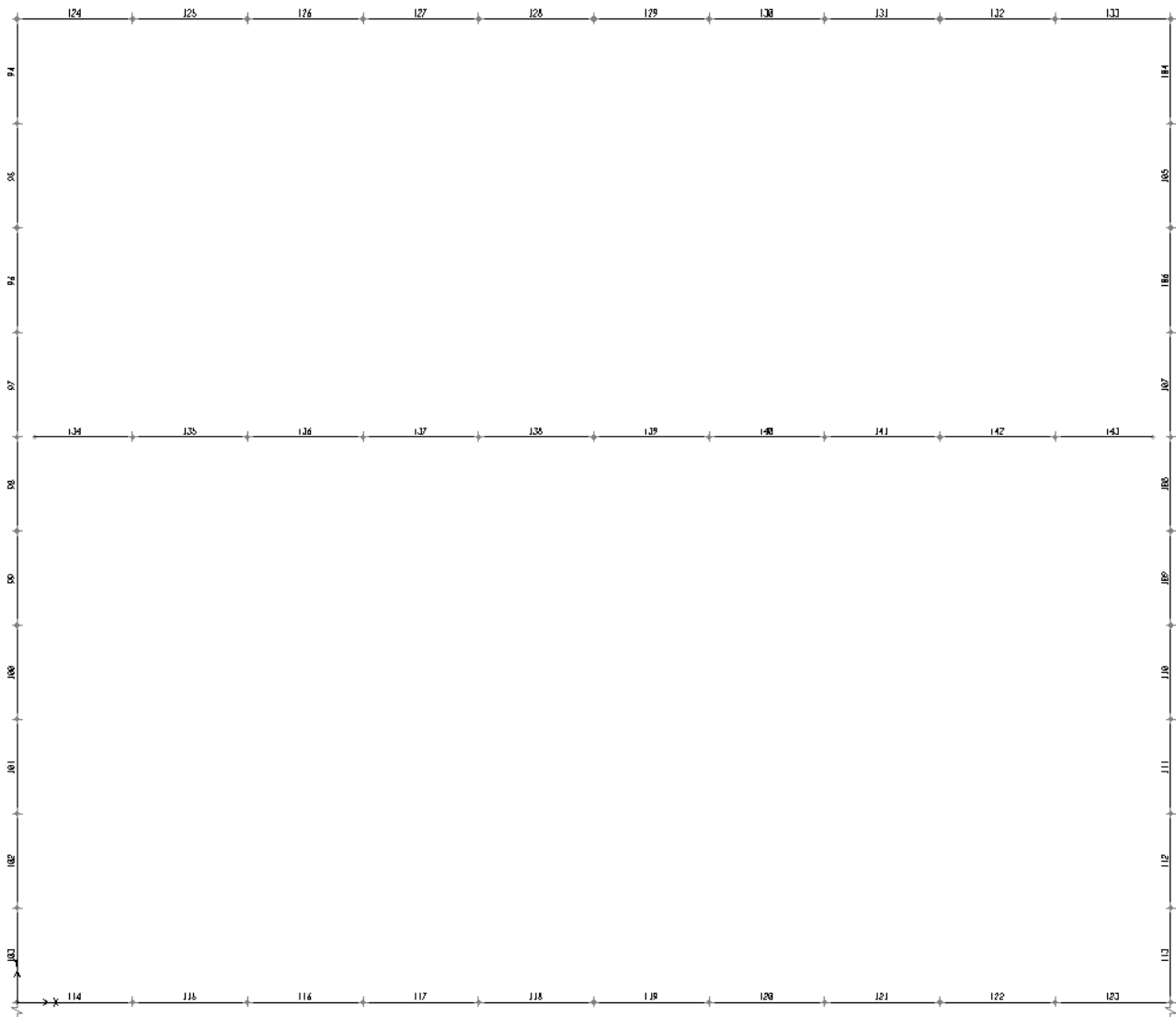
$$\tau = (T \cdot S_n) / (s_a \cdot J_n) \quad (\text{Jourawsky})$$

Per quanto visto in precedenza le sezioni risultano verificate.

4. MODELLO DI CALCOLO

Per le analisi degli interventi a L.T. sono stati impiegati modelli ad elementi finiti, attraverso l'ausilio del programma di calcolo SAP2000. Tale programma opera secondo il metodo degli spostamenti, attraverso un solutore di equazione a blocchi. È possibile così ottenere, dal calcolo, gli spostamenti della struttura in ogni elemento in cui questa è stata schematizzata e da questi risalire, attraverso la matrice di rigidezza del sistema, alle caratteristiche di sollecitazione nelle diverse condizioni di carico considerate.

La struttura è stata schematizzata con elementi frames (aste) mentre l'interazione terreno struttura è stata schematizzata attraverso l'introduzione di molle orizzontali o verticali, in corrispondenza di alcuni nodi delle aste. È stato condotto pertanto un calcolo bidimensionale della struttura, nella sezione maggiormente sollecitata.



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4.1 PARAMETRI GEOTECNICI

Di seguito si riportano i parametri geotecnici del terreno, le caratteristiche dei materiali adottati, le analisi dei carichi e le combinazioni di carico considerate.

Si riporta la caratterizzazione geotecnica della precedente revisione del Progetto Definitivo. I parametri geotecnici utilizzati per l'analisi rappresentano, a vantaggio della sicurezza, i valori minimi del relativo intervallo di variabilità determinato nella relazione geotecnica cod. A301 00 E 07 RB GAOIOO 001 A. Tali parametri sono:

Coltre detritica di alterazione Argilliti di Palombini (da 0 m a 4 m):

peso di volume $\gamma = 19 \text{ KN/m}^3$

angolo attrito $\phi' = 26^\circ$

coesione $c' = 0 \text{ KPa}$

modulo elastico $E = 10 \text{ MPa}$

coeff. spinta attiva $K_a = 0.39$

coeff. spinta attiva sismico $K_{ae} = 0.401$

Argilliti di Palombini (da 4 m in poi):

peso di volume $\gamma = 23 \text{ KN/m}^3$

angolo di attrito $\phi' = 20^\circ$

coesione $c' = 0 \text{ KPa}$

modulo elastico $E = 25 \text{ MPa} + 1.5 \text{ MPa/m} \times z \text{ (m)}$ essendo z la profondità a partire da 4 m in poi, rispetto al p.c.

coeff. spinta attiva $K_a = 0.49$

coeff. spinta attiva sismico $K_{ae} = 0.505$

4.2 VINCOLI

Si procede analogamente a quanto effettuato nella precedente revisione del Progetto Definitivo.

Per tenere conto dell'interazione terreno-struttura, sono state introdotte degli elementi elastici (springs) in corrispondenza di alcuni dei nodi del modello. Nell'analisi effettuata le molle soggette a trazione sono state eliminate. Al fine della determinazione della rigidità da

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assegnare alle molle nel modello di calcolo si è reso necessario calcolare il modulo reazione del terreno k_s , e la legge di variazione di esso con la profondità.

Tale modulo di reazione, ai fini del calcolo delle molle orizzontali relative ai piedritti, è stato calcolato attraverso la formulazione del Bowles "Fondazioni", da cui:

$$k_s = (A_s + B_s \cdot z^n) \cdot C \quad [\text{KN/m}^3]$$

essendo:

k_s =modulo di reazione del terreno

A_s =costante

B_s = coefficiente di profondità

N =esponente necessario ad ottenere un determinato andamento

$$A_s = C \times (c \times N_c + 0.5 \times \gamma \times N_\gamma)$$

$$B_s = C \times (\gamma \times N_q)$$

$C=40$

Alla luce di quanto esposto, sulla base dei coefficienti tabellati nel Bowles "Fondazioni", si sono ottenuti i seguenti valori dei moduli di reazione del terreno e quindi le seguenti rigidezze delle molle, denominate K_{sAP} , introdotte nel modello di calcolo:

$A_s = 1334$

$B_s = 5888$

$$k_s = 6919 \text{ KN/m}^3 + 8185 \text{ KN/m}^3$$

assunto pari a $k_s = 7800 \text{ KN/m}^3$

$$K_{sAP} = 6808 \text{ KN/m} + 9932 \text{ KN/m}$$

Le rigidezze delle molle assegnate al SAP2000 sono state ottenute moltiplicando il modulo di reazione per l'area d'influenza di ciascuna spring.

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Il coefficiente di sottofondo k_s , relativamente alla fondazione, è stato calcolato con la seguente formulazione di Boussinesq valida per archi rovesci piatti o con grande raggio di curvatura:

$$k_s = \frac{1}{f} \cdot \frac{E}{(1-\nu^2) \cdot B}$$

essendo:

$f = 1$ per superficie di appoggio quadrata, tipo quella in esame;

E = modulo di Young del terreno

B = larghezza della fondazione pari a circa 14.0 m

ν = modulo di Poisson pari a 0.3 per il terreno in esame

Da tale formulazione si ottengono, per la fondazione, i seguenti valori di k_s e

$$k_s = 3101 \text{ KN/m}^3 \div 3194 \text{ KN/m}^3$$

assunto pari a $k_s = 3000 \text{ KN/m}^3$

Il valore della rigidezza delle molle ai bordi della fondazione, come indicato nel testo Bowles "Fondazioni", è stato posto pari al doppio di quello ottenuto attraverso il calcolo indicato in precedenza.

4.3 ANALISI DEI CARICHI

Si procede analogamente a quanto effettuato nella precedente revisione del Progetto Definitivo.

In questo paragrafo saranno descritti i carichi applicati alla struttura in esame. Il calcolo è stato condotto in corrispondenza della sezione maggiormente sollecitata, ossia, dove l'altezza delle paratie è maggiore.

Peso proprio della struttura: il peso proprio della struttura è valutato automaticamente dal programma, attribuendo al c.a. un peso specifico pari a 25 KN/m³.

Spinta del terreno lato destro e sinistro: Si è considerato il caso in cui la paratia perda completamente di funzionalità e si mobiliti la spinta attiva in direzione della struttura analizzata. Nel calcolo sono state applicate, quindi, le spinte attive

$$\sigma_h = K_a \cdot \sigma_v$$

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essendo:

K_a = coefficiente di attiva

$\sigma_v = \gamma z$

Ricoprimento della soletta di copertura

Si considera un ricoprimento massimo di 3.5m di terreno di riporto

Sovraccarico accidentale

$Q_s = 20 \text{ KN/m}^2 \cdot K_a$

Sisma orizzontale:

per quanto riguarda le condizioni sismiche si è assunto un grado di sismicità di riferimento pari a $S = 6$. In accordo con le prescrizioni del D.M. Lavori Pubblici 16/1/1996 "Norme tecniche per le costruzioni in zone sismiche", si ottiene un coefficiente d'intensità sismica pari a $c = 0.04$

L'incremento spinta del terreno è stato calcolato in accordo con le prescrizioni del D.M. Lavori Pubblici 16/1/1996 "Norme tecniche per le costruzioni in zone sismiche", con un coefficiente d'intensità sismica pari a: $c = 0.04$

L'incremento delle spinte orizzontali dovuto al p.p. della struttura è pari al 4% del p.p. della struttura.

Sisma verticale:

In accordo con le prescrizioni del D.M. Lavori Pubblici 16/1/1996 "Norme tecniche per le costruzioni in zone sismiche", si ottiene un coefficiente d'intensità sismica pari a:

$c = 0.04$

L'incremento dei carichi verticali dovuto al p.p. della struttura è pari all' 8%.

4.4 **COMBINAZIONI DI CARICO**

Si procede analogamente a quanto effettuato nella precedente revisione del Progetto Definitivo. Sia i carichi verticali che quelli orizzontali sono stati applicati sul modello come azioni distribuite sulle varie aste e concentrate ai nodi. Le diverse combinazioni di carico adottate, per il dimensionamento e la verifica della struttura in esame, sono le seguenti:

COMBO 1: (1) +(3) +(5)

COMBO 2: (1) + (2) + (3) + (5)

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COMB0 3: (1) + (4)

COMB0 4: (1) + (3) +(4) + (5)

COMB0 5: (1) + (2) + (3) + (4) + (5)

COMB0 6: (1) + (2) + (3) + (6) + (7)

COMB0 7: (1) + (2) + (3) + (8)

COMB0 7bis: (1) + (2) + (3) + (-8)

COMB0 8: (1) + (2) + (3) + (6) + (7) + (8)

COMB0 8bis: (1) + (2) + (3) + (6) + (7) + (-8)

- (1) Peso proprio della struttura
- (2) Spinta del terreno lato destro
- (3) Spinta del terreno lato sinistro
- (4) Sovraccarichi in copertura
- (5) Sovraccarichi accidentali laterali
- (6) Sisma orizzontale dovuto al p.p. della struttura
- (7) Sisma orizzontale per incremento spinta terreno
- (8) Sisma verticale verso il basso sui pesi della struttura
- (-8) Sisma verticale verso l'alto

5. VERIFICHE STATICHE

Le verifiche statiche dell'opera in esame sono state eseguite applicando il metodo delle Tensioni Ammissibili per le sezioni caratterizzate dalle condizioni di carico più gravose riscontrate tra le varie combinazioni di carico. Nelle verifiche sono state considerate le zone rigide d'intersezione fra i diversi elementi strutturali. I materiali presentano le seguenti caratteristiche di resistenza.

Calcestruzzo Rck30 MPa

$\sigma_{camm}=9.75$ MPa

$\tau_{c0}= 0.6$ MPa

$\tau_{c1}= 1.8$ MPa

La verifica a taglio è stata effettuata con la formula di Jourawsky:

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$$\tau = (V2 \cdot S_x) / (b_0 \cdot J_x)$$

essendo:

V2 = sforzo di taglio

Sx = momento statico della sezione reagente rispetto all'asse x-x

bo = lunghezza della corda su cui agisce la 'tmax

Jx = momento d'inerzia della sezione reagente rispetto all'asse x-x

Si riporta di seguito l'esito delle analisi effettuate, considerando le massime sollecitazioni di pressoflessione e taglio (al metro).

COMBO	Aste	Elemento	H	Mmax	N	Nmax	M
[-]	[-]	[-]	[m]	[kN/m]	[kN/m]	[kN/m]	[kN/m]
1	124	Solaio Copertura	0,80	303	186	186	303
1	100-102	Parete laterale	1,00	369,6	378,9	430	82
1	138	Solaio intermedio	0,30	122,1	455	455	122,1
1	123	Solaio fondazione	2,00	606,6	467	467	606,6

COMBO	Aste	Elemento	H	Mmax	N	Nmax	M
[-]	[-]	[-]	[m]	[kN/m]	[kN/m]	[kN/m]	[kN/m]
2	124	Solaio Copertura	0,80	190	158,5	158,5	190
2	100-102	Parete laterale	1,00	284	360	411	101,53
2	138	Solaio intermedio	0,30	122	447,5	447,5	122
2	123	Solaio fondazione	2,00	450	503	503	450

COMBO	Aste	Elemento	H	Mmax	N	Nmax	M
[-]	[-]	[-]	[m]	[kN/m]	[kN/m]	[kN/m]	[kN/m]
3	124	Solaio Copertura	0,80	712	263	263	712
3	94-102	Parete laterale	1,00	860	537	813	200
3	138	Solaio intermedio	0,30	122	322	322	122
3	123	Solaio fondazione	2,00	1050	77,9	77,9	1050

COMBO	Aste	Elemento	H	Mmax	N	Nmax	M
[-]	[-]	[-]	[m]	[kN/m]	[kN/m]	[kN/m]	[kN/m]
4	124	Solaio Copertura	0,80	840	380	380	840
4	94-102	Parete laterale	1,00	949,2	557	833	32
4	139	Solaio intermedio	0,30	122	212	212	122
4	118	Solaio fondazione	2,00	669	516,7	516,7	669

COMBO	Aste	Elemento	H	Mmax	N	Nmax	M
[-]	[-]	[-]	[m]	[kN/m]	[kN/m]	[kN/m]	[kN/m]
5	124	Solaio Copertura	0,80	727	352	352	727
5	94-102	Parete laterale	1,00	857	538	814,6	217
5	139	Solaio intermedio	0,30	122	204,6	204,6	122
5	119	Solaio fondazione	2,00	635,3	552	552	635,3

COMBO	Aste	Elemento	H	Mmax	N	Nmax	M
[-]	[-]	[-]	[m]	[kN/m]	[kN/m]	[kN/m]	[kN/m]
6	124	Solaio Copertura	0,80	198	162	162	198
6	100-102	Parete laterale	1,00	306	360	411	82
6	138	Solaio intermedio	0,30	122	484	484	122
6	123	Solaio fondazione	2,00	502	563	563	502

COMBO	Aste	Elemento	H	Mmax	N	Nmax	M
[-]	[-]	[-]	[m]	[kN/m]	[kN/m]	[kN/m]	[kN/m]
7	124	Solaio Copertura	0,80	770	359	359	770
7	94-102	Parete laterale	1,00	342	581	878	240
7	138	Solaio intermedio	0,30	131	133	133	131
7	118	Solaio fondazione	2,00	747,4	527	527	747,4

COMBO	Aste	Elemento	H	Mmax	N	Nmax	M
[-]	[-]	[-]	[m]	[kN/m]	[kN/m]	[kN/m]	[kN/m]
7 bis	124	Solaio Copertura	0,80	633	317	317	633
7 bis	94-102	Parete laterale	1,00	780	495	748,3	208
7 bis	138	Solaio intermedio	0,30	122	185,4	185,4	122
7 bis	118	Solaio fondazione	2,00	578,6	515	515	578,6

COMBO	Aste	Elemento	H	Mmax	N	Nmax	M
[-]	[-]	[-]	[m]	[kN/m]	[kN/m]	[kN/m]	[kN/m]
8	124	Solaio Copertura	0,80	794	377,4	377,4	794
8	94-102	Parete laterale	1,00	925	583	880	214,3
8	138	Solaio intermedio	0,30	131	214	214	131
8	119	Solaio fondazione	2,00	694,3	586,6	586,6	694,3

COMBO	Aste	Elemento	H	Mmax	N	Nmax	M
[-]	[-]	[-]	[m]	[kN/m]	[kN/m]	[kN/m]	[kN/m]
8 bis	124	Solaio Copertura	0,80	682	377,4	377,4	682
8 bis	94-102	Parete laterale	1,00	783	583	750	183
8 bis	139	Solaio intermedio	0,30	112,3	267	267	112,3
8 bis	119	Solaio fondazione	2,00	525	527,4	527,4	525

TAGLIO				
COMBO	Aste	Elemento	H	Vmax
[-]	[-]	[-]	[m]	[kN/m]
1	124	Solaio Copertura	0,80	133
1	98	Parete laterale	1,00	354
1	143	Solaio intermedio	0,30	43
1	123	Solaio fondazione	2,00	246

COMBO	Aste	Elemento	H	Vmax
[-]	[-]	[-]	[m]	[kN/m]
2	124	Solaio Copertura	0,80	114
2	102	Parete laterale	1,00	338,6
2	143	Solaio intermedio	0,30	43
2	123	Solaio fondazione	2,00	233

COMBO	Aste	Elemento	H	Vmax
[-]	[-]	[-]	[m]	[kN/m]
3	124	Solaio	0,80	484
3	104	Parete laterale	1,00	263
3	143	Solaio intermedio	0,30	42
3	114	Solaio fondazione	2,00	489

COMBO	Aste	Elemento	H	Vmax
[-]	[-]	[-]	[m]	[kN/m]
4	124	Solaio Copertura	0,80	500
4	104	Parete laterale	1,00	352
4	143	Solaio intermedio	0,30	40
4	123	Solaio fondazione	2,00	504

COMBO	Aste	Elemento	H	Vmax
[-]	[-]	[-]	[m]	[kN/m]
5	124	Solaio Copertura	0,80	482
5	102	Parete laterale	1,00	387
5	143	Solaio intermedio	0,30	42
5	123	Solaio fondazione	2,00	491

COMBO	Aste	Elemento	H	Vmax
[-]	[-]	[-]	[m]	[kN/m]
		Solaio Copertura	0,80	116
6	124			
6	112	Parete laterale	1,00	355
		Solaio intermedio	0,30	43
6	143			
		Solaio fondazione	2,00	230
6	114			

COMBO	Aste	Elemento	H	Vmax
[-]	[-]	[-]	[m]	[kN/m]
		Solaio Copertura	0,80	522
7	124			
7	112	Parete laterale	1,00	372
		Solaio intermedio	0,30	46
7	143			
		Solaio fondazione	2,00	530
7	114			

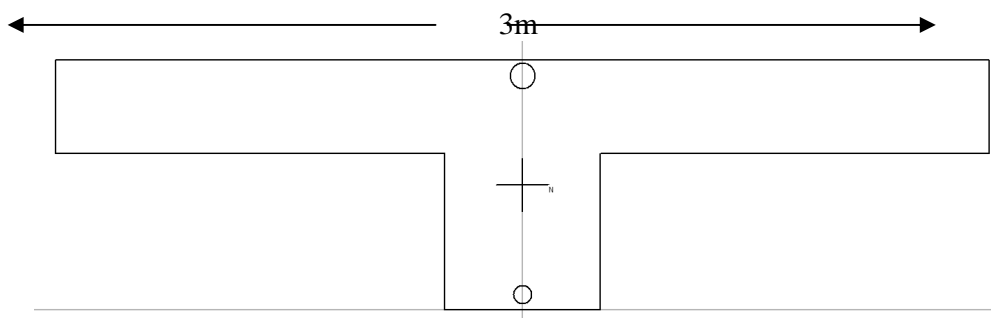
COMBO	Aste	Elemento	H	Vmax
[-]	[-]	[-]	[m]	[kN/m]
		Solaio Copertura	0,80	443,3
7 bis	124			
7 bis	102	Parete laterale	1,00	360
		Solaio intermedio	0,30	39
7 bis	143			
		Solaio fondazione	2,00	452
7 bis	114			

COMBO	Aste	Elemento	H	Vmax
[-]	[-]	[-]	[m]	[kN/m]
		Solaio Copertura	0,80	519
8	124			
8	102	Parete laterale	1,00	402
		Solaio intermedio	0,30	45
8	143			
		Solaio fondazione	2,00	527
8	114			

COMBO	Aste	Elemento	H	Vmax
[-]	[-]	[-]	[m]	[kN/m]
		Solaio Copertura	0,80	446
8 bis	124			
8 bis	112	Parete laterale	1,00	399
		Solaio intermedio	0,30	39
8 bis	143			
		Solaio fondazione	2,00	448
8 bis	114			

GENERAL CONTRACTOR  Consorzio Collegamenti Integrati Veloci	ALTA SORVEGLIANZA  GRUPPO FERROVIE DELLO STATO ITALIANE
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Per la soletta intermedia si è considerata la seguente sezione reagente e quindi le sollecitazioni del SAP calcolate al metro sono state moltiplicate per 3m.



VERIFICHE TENSIONALI A PRESSO FLESSIONE										
COMBO	Aste	Elemento	H	N	Mmax	e	Af	A'f	σ_f	σ_{cls}
[-]	[-]	[-]	[m]	[kN/m]	[kN/m]	[m]	[cm ² /m]	[cm ² /m]	[MPa]	[MPa]
4	124	Solaio Copertura	0,8	380	840	2,2	10 ϕ 26	10 ϕ 26	202,28 / -7,43	7,43
4	94	Parete laterale	1	557	949,2	1,7	8 ϕ 26	8 ϕ 26	-186,81 / 80,84	6,8
7	138	Solaio intermedio	a T	133	131	1,0	10 ϕ 26	5 ϕ 26	-81,96	6,2
3	123	Solaio fondazione	2	77,9	1050	13,5	5 ϕ 26	5 ϕ 26	-201,93/36,42	2,96

COMBO	Aste	Elemento	H	Nmax	M	e	Af	A'f	σ_f	σ_{cls}
[-]	[-]	[-]	[m]	[kN/m]	[kN/m]	[m]	[cm ² /m]	[cm ² /m]	[MPa]	[MPa]
4	102	Parete laterale	1	880	214,3	0,24	4 ϕ 26	4 ϕ 26	-2,54 / 27,3	1,95

VERIFICA AL TAGLIO

COMBO	Aste	Elemento	H	Vmax	τ
[-]	[-]	[-]	[m]	[kN/m]	[MPa]
7	124	Solaio Copertura	0,8	522	1,0
8	102	Parete laterale	1	402	0,6
7	143	Solaio intermedio	0,8	46	0,1
7	114	Solaio fondazione	2	530	0,4

Per il solaio di copertura si arma al taglio in corrispondenza degli appoggi con staffe a due braccia ϕ 18/15/m. Per gli altri elementi le sollecitazioni sono inferiori a τ_{c0} .

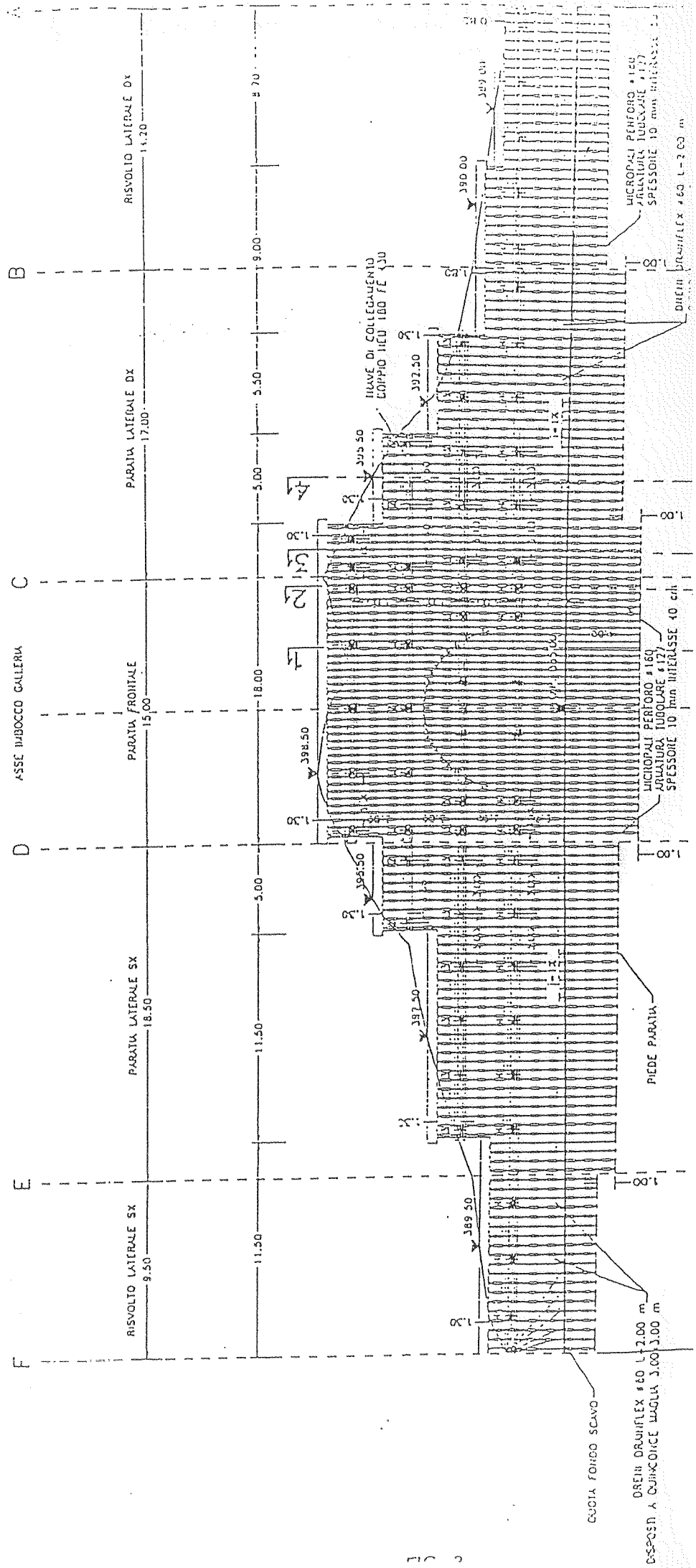
GENERAL CONTRACTOR  Consorzio Collegamenti Integrati Veloci	ALTA SORVEGLIANZA  GRUPPO FERROVIE DELLO STATO ITALIANE	
	a301-00-d-cv-ro-gn00-0x-013-e00	Foglio 20 di 289

6. ALLEGATI

ALLEGATO 1
Schema paratia esistente

SVILUPPO FRONTALE PARATIA BERLINESE

SCALA 1:200



ALLEGATO 2
Schema intervento

CUNICOLO ESPLORATIVO VAL DI LEMME
INTERVENTI DI MESSA IN SICUREZZA DELL'IMBOCCO
INTEGRAZIONE DEI TIRANTI PARATIA LATO SX

SVILUPPATA "A-A"

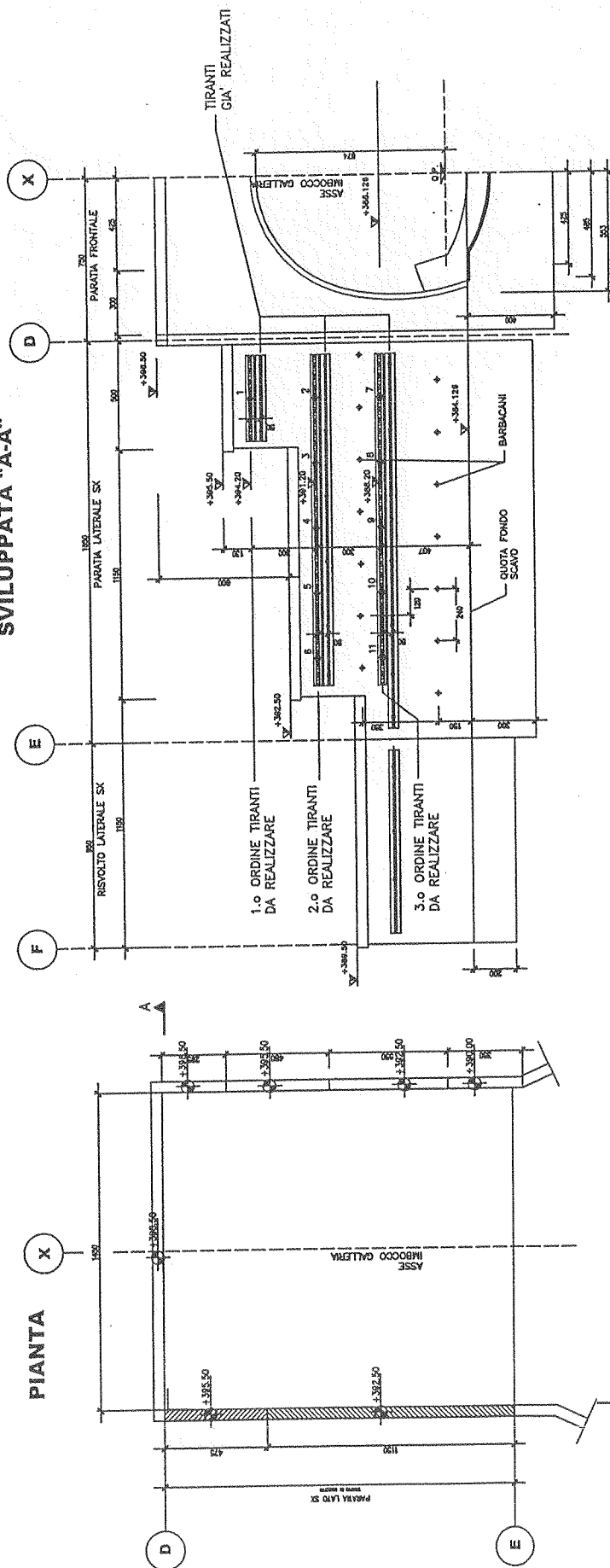


TABELLA MATERIALI

TIRANTI CON BARE D'INIEZIONE
 835/1030 N/mm²
 Fe430

ACCIAIO PER PROFILATI

MISCELA PER INIEZIONI
MISCELA DI GUAINA (Composizione media, eventualmente da tarare in corso d'opera)
 - cemento tipo 425
 - rapporto acqua/cemento ~0.55
 - bentonite 3% - 5%
 - denatita' ~1.80 t/mc
 - viscoita' Merah ~43" a 4mm

MISCELA D'INIEZIONE (Composizione media, eventualmente da tarare in corso d'opera)
 - cemento tipo 425 (~4500 cm³/g Blaina)
 - rapporto acqua/cemento 0.5 - 0.8
 - additivo fluidificante ~4%
 - denatita' ~1.30±1.80 t/mc
 - viscoita' Merah ~23" e 8mm

BARBACANI
 - tubi in PVC Ø2 = 110 Sp >= 3mm (secondo normativa UNI 4464 e 4465)

TIRANTE NUMERO	QUOTA (m)	DIAMETRO BARRA (mm)	INCLINAZIONE (°)	LUNGH. LIBERA (m)	LUNGH. FONDAZ. (m)	PRESSIONE (KN)
1	394.20	26.5	20	14.00	8.00	60
2	391.20	26.5	20	12.00	8.00	180
7	388.20	26.5	20	10.00	6.00	120
3-4-5-6	391.20	26.5	20	12.00	8.00	180
8-9-10-11	388.20	26.5	20	10.00	6.00	120

TRAVI DI CORREA:
 N.2. HEB120

L.tot. = 34.50m x 2 = 69.00m

BARBACANI IN P.V.C.	LUNGHEZZA >= 2.20m
	INCLINAZIONE SULL'ORIZZONTALE 11.1119

NOTA BENE
 LA PROTEZIONE ALLA CORROSIONE DELLE TESTATE DI ANCORAGGIO DEVE ESSERE REALIZZATA ANCHE PER I TIRANTI GIÀ ESEGUITI

ALLEGATO 3

**Calcolo paratie: caso di perdita completa di funzionalità da
parte di tutti i tiranti realizzati**

PARATIE 6.0 Ce.A.S. s.r.l. - Milano
12 MAGGIO 2003 12:16:42
PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

PAG. 1

```
*****  
**  
** P A R A T I E **  
**  
** RELEASE 6.0 VERSIONE WIN **  
**  
** Ce.A.S. s.r.l. - Viale Giustiniano, 10 **  
** 20129 MILANO **  
**  
*****
```

JOBNAME D:\In lavorazione\Genova-Milano\Imbocco cunicolo Val di Lemme\Parat

12 MAGGIO 2003 12:16:42

PARATIE 6.0

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

PAG. 2

12 MAGGIO 2003 12:16:42

PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

ELENCO DEI DATI DI INPUT(PARAGEN)

Per il significato dei vari comandi
si faccia riferimento al manuale di
input PARAGEN, versione 6.0 .

N. comando

```
1: * Paratie for Windows version 6.0
2: * Filename= <d:\in lavorazione\genova-milano\imbocco cunicolo val di
  lemme\parat
3: * project with "run time" parameters
4: * Force=kN Lenght=m
5: *
6: units m kN
7: title PARATIA MICROPALI IMBOCCO - GENOVA-MILANO
8: delta 0.2
9: option param itemax 40
10: option noprint echo
11: option noprint displ
12: option noprint react
13: option noprint stresses
14: wall LeftWall 0 -10.5 0
15: *
16: soil UHLeft LeftWall -10.5 0 1 0
17: soil DHLeft LeftWall -10.5 0 2 180
18: *
19: init LeftWall found boussineq 6 2 0 5.81 45
20: init LeftWall found boussineq 8 2 0 17.43 45
21: init LeftWall found boussineq 10 2 0 29.04 45
22: init LeftWall found boussineq 12 2 0 40.66 45
23: init LeftWall found boussineq 14 2 0 52.28 45
24: init LeftWall found boussineq 16 2 0 63.9 45
25: init LeftWall found boussineq 18 2 0 75.52 45
26: init LeftWall found boussineq 20 2 0 87.13 45
27: init LeftWall found boussineq 22 2 0 98.75 45
28: init LeftWall found boussineq 24 2 0 110.37 45
29: init LeftWall found boussineq 26 2 0 121.99 45
30: init LeftWall found boussineq 28 2 0 133.6 45
31: init LeftWall found boussineq 30 2 0 145.22 45
32: init LeftWall found boussineq 32 2 0 156.84 45
33: init LeftWall found boussineq 34 2 0 168.46 45
34: *
35: material Acciaio 2.0594E+008
36: material Tiranti 2.101E+008
37: *
38: beam Paratia LeftWall -10.5 0 Acciaio 0.0564622
```

PARATIE 6.0

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

PAG. 3

12 MAGGIO 2003 12:16:42

PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

N. comando

```
39: *
40: wire PrimOrd LeftWall -1.8 Tiranti 1.5E-005 60.35 20
41: wire SecOrd LeftWall -4.8 Tiranti 1.5E-005 43.12 20
42: wire PrimOrd_2 LeftWall -1.3 Tiranti 1.53333E-005 60 20
43: wire SecOrd_2 LeftWall -4.3 Tiranti 1.84E-005 40 20
44: *
45: * Soil Profile
46: *
47:   ldata          Strato1 0
48:     weight       19 9 10
49:     atrest       0.54601 0.5 1
50:     resistance   15 27 0.347 1.656
51:     young        10000 10000
52:   endlayer
53:   ldata          Strato2 -2.5
54:     weight       23 13 10
55:     atrest       0.625393 0.5 1
56:     resistance   75 22 0.423 1.3005
57:     young        25000 25000
58:   endlayer
59:   ldata          Strato3 -3.5
60:     weight       23 13 10
61:     atrest       0.625393 0.5 1
62:     resistance   75 22 0.423 1.3005
63:     young        26500 26500
64:   endlayer
65:   ldata          Strato4 -4.5
66:     weight       23 13 10
67:     atrest       0.625393 0.5 1
68:     resistance   75 22 0.423 1.3005
69:     young        28000 28000
70:   endlayer
71:   ldata          Strato5 -5.5
72:     weight       23 13 10
73:     atrest       0.625393 0.5 1
74:     resistance   75 22 0.423 1.3005
75:     young        29500 29500
76:   endlayer
77:   ldata          Strato6 -6.5
78:     weight       23 13 10
79:     atrest       0.625393 0.5 1
80:     resistance   75 22 0.423 1.3005
81:     young        31000 31000
82:   endlayer
83:   ldata          Strato7 -7.5
84:     weight       23 13 10
```

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

N. comando

```
85:      atrest      0.625393 0.5 1
86:      resistance  75 22 0.423 1.3005
87:      young       32500 32500
88:      endlayer
89:      ldata        Strato8 -8.5
90:      weight       23 13 10
91:      atrest      0.625393 0.5 1
92:      resistance  75 22 0.423 1.3005
93:      young       34000 34000
94:      endlayer
95:      ldata        Strato9 -9.5
96:      weight       23 13 10
97:      atrest      0.625393 0.5 1
98:      resistance  75 22 0.423 1.3005
99:      young       35500 35500
100:     endlayer
101:     ldata        Strato10 -10.5
102:     weight       23 13 10
103:     atrest      0.625393 0.5 1
104:     resistance  75 22 0.423 1.3005
105:     young       37000 37000
106:     endlayer
107:     ldata        Strato11 -11.5
108:     weight       23 13 10
109:     atrest      0.625393 0.5 1
110:     resistance  75 22 0.423 1.3005
111:     young       38500 38500
112:     endlayer
113: *
114: step 1 : Geostatica
115:     setwall LeftWall
116:     geom 0 0
117:     add Paratia
118: endstep
119: *
120: step 2 : Scavo fino a quota -2.3 m
121:     setwall LeftWall
122:     geom 0 -2.3
123: endstep
124: *
125: step 3 : Primo ordine di tiranti
126:     setwall LeftWall
127:     add PrimOrd
128: endstep
129: *
130: step 4 : Scavo fino a quota -5.3 m
```

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

N. comando

```
131: setwall LeftWall
132: geom 0 -5.3
133: endstep
134: *
135: step 5 : Secondo ordine di tiranti
136: setwall LeftWall
137: add SecOrd
138: endstep
139: *
140: step 6 : Scavo fino a quota -7.50 m
141: setwall LeftWall
142: geom 0 -7.5
143: endstep
144: *
145: step 7 : Accidentali laterali
146: setwall LeftWall
147: surcharge 20 0 0 0
148: endstep
149: *
150: step 8 : Perdita di funzionalità dei tiranti del primo ordine
151: setwall LeftWall
152: remove PrimOrd
153: endstep
154: *
155: step 9 : Perdita di funzionalità dei tiranti del secondo ordine
156: setwall LeftWall
157: remove SecOrd
158: endstep
159: *
160: step 10 : Introduzione del terreno di riporto a valle
161: setwall LeftWall
162: geom 0 -6
163: endstep
164: *
165: step 11 : Introduzione tiranti a livello di quelli del primo ordine
166: setwall LeftWall
167: add PrimOrd_2
168: endstep
169: *
170: step 12 : Introduzione tiranti a livello di quelli del secondo ordine
171: setwall LeftWall
172: add SecOrd_2
173: endstep
174: *
175: step 13 : Rimozione accidentali laterali
176: setwall LeftWall
```

PARATIE 6.0 Ce.A.S. s.r.l. - Milano
12 MAGGIO 2003 12:16:42
PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

PAG. 6

N. comando

177: surcharge 0 0 0 0
178: endstep
179: *
180: step 14 : Rimozione terreno di riporto
181: setwall LeftWall
182: geom 0 -7.5
183: endstep
184: *
185: step 15 : Sisma
186: dload constant LeftWall -10.5 0 0 2.2
187: setwall LeftWall
188: endstep
189: *
190: *

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 1

LAYER Stratol			
natura 1=granulare, 2=argilla	= 1.0000		
quota superiore	= 0.0000	m	
quota inferiore	= -2.5000	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	= 15.000	kPa	(A MONTE)
angolo di attrito	= 27.000	DEG	(A MONTE)
coeff. spinta attiva ka	= 0.34700		(A MONTE)
coeff. spinta passiva kp	= 1.6560		(A MONTE)
Konc normal consolidato	= 0.54601		
esponente di OCR	= 0.50000		
OCR: grado di sovraconsolidazione	= 1.0000		
modello di rigidezza	= 1.0000		
modulo el. compr. vergine	= 10000.	kPa	
modulo el. scarico/ricarico	= 10000.	kPa	
natura 1=granulare, 2=argilla	= 1.0000		(A VALLE)
coesione	= 15.000	kPa	(A VALLE)
angolo di attrito	= 27.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.34700		(A VALLE)
coeff. spinta passiva kp	= 1.6560		(A VALLE)
LAYER Strato2			
natura 1=granulare, 2=argilla	= 1.0000		
quota superiore	= -2.5000	m	
quota inferiore	= -3.5000	m	
peso fuori falda	= 23.000	kN/m ³	
peso efficace in falda	= 13.000	kN/m ³	
peso dell'acqua	= 10.000	kN/m ³	
coesione	= 75.000	kPa	(A MONTE)
angolo di attrito	= 22.000	DEG	(A MONTE)
coeff. spinta attiva ka	= 0.42300		(A MONTE)
coeff. spinta passiva kp	= 1.3005		(A MONTE)
Konc normal consolidato	= 0.62539		
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	= 25000.	kPa	
natura 1=granulare, 2=argilla	= 1.0000		(A VALLE)
coesione	= 75.000	kPa	(A VALLE)

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 1

angolo di attrito	= 22.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.42300		(A VALLE)
coeff. spinta passiva kp	= 1.3005		(A VALLE)
LAYER Strato3			
natura 1=granulare, 2=argilla	= 1.0000		
quota superiore	= -3.5000	m	
quota inferiore	= -4.5000	m	
peso fuori falda	= 23.000	kN/m ³	
peso efficace in falda	= 13.000	kN/m ³	
peso dell'acqua	= 10.000	kN/m ³	
coesione	= 75.000	kPa	(A MONTE)
angolo di attrito	= 22.000	DEG	(A MONTE)
coeff. spinta attiva ka	= 0.42300		(A MONTE)
coeff. spinta passiva kp	= 1.3005		(A MONTE)
Konc normal consolidato	= 0.62539		
esponente di OCR	= 0.50000		
OCR: grado di sovraconsolidazione	= 1.0000		
modello di rigidezza	= 1.0000		
modulo el. compr. vergine	= 26500.	kPa	
modulo el. scarico/ricarico	= 26500.	kPa	
natura 1=granulare, 2=argilla	= 1.0000		(A VALLE)
coesione	= 75.000	kPa	(A VALLE)
angolo di attrito	= 22.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.42300		(A VALLE)
coeff. spinta passiva kp	= 1.3005		(A VALLE)
LAYER Strato4			
natura 1=granulare, 2=argilla	= 1.0000		
quota superiore	= -4.5000	m	
quota inferiore	= -5.5000	m	
peso fuori falda	= 23.000	kN/m ³	
peso efficace in falda	= 13.000	kN/m ³	
peso dell'acqua	= 10.000	kN/m ³	
coesione	= 75.000	kPa	(A MONTE)
angolo di attrito	= 22.000	DEG	(A MONTE)
coeff. spinta attiva ka	= 0.42300		(A MONTE)
coeff. spinta passiva kp	= 1.3005		(A MONTE)
Konc normal consolidato	= 0.62539		
esponente di OCR	= 0.50000		
OCR: grado di sovraconsolidazione	= 1.0000		
modello di rigidezza	= 1.0000		
modulo el. compr. vergine	= 28000.	kPa	
modulo el. scarico/ricarico	= 28000.	kPa	
natura 1=granulare, 2=argilla	= 1.0000		(A VALLE)
coesione	= 75.000	kPa	(A VALLE)

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 1

angolo di attrito	= 22.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.42300		(A VALLE)
coeff. spinta passiva kp	= 1.3005		(A VALLE)
LAYER Strato5			
natura 1=granulare, 2=argilla	= 1.0000		
quota superiore	= -5.5000	m	
quota inferiore	= -6.5000	m	
peso fuori falda	= 23.000	kN/m ³	
peso efficace in falda	= 13.000	kN/m ³	
peso dell'acqua	= 10.000	kN/m ³	
coesione	= 75.000	kPa	(A MONTE)
angolo di attrito	= 22.000	DEG	(A MONTE)
coeff. spinta attiva ka	= 0.42300		(A MONTE)
coeff. spinta passiva kp	= 1.3005		(A MONTE)
Konc normal consolidato	= 0.62539		
esponente di OCR	= 0.50000		
OCR: grado di sovraconsolidazione	= 1.0000		
modello di rigidezza	= 1.0000		
modulo el. compr. vergine	= 29500.	kPa	
modulo el. scarico/ricarico	= 29500.	kPa	
natura 1=granulare, 2=argilla	= 1.0000		(A VALLE)
coesione	= 75.000	kPa	(A VALLE)
angolo di attrito	= 22.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.42300		(A VALLE)
coeff. spinta passiva kp	= 1.3005		(A VALLE)
LAYER Strato6			
natura 1=granulare, 2=argilla	= 1.0000		
quota superiore	= -6.5000	m	
quota inferiore	= -7.5000	m	
peso fuori falda	= 23.000	kN/m ³	
peso efficace in falda	= 13.000	kN/m ³	
peso dell'acqua	= 10.000	kN/m ³	
coesione	= 75.000	kPa	(A MONTE)
angolo di attrito	= 22.000	DEG	(A MONTE)
coeff. spinta attiva ka	= 0.42300		(A MONTE)
coeff. spinta passiva kp	= 1.3005		(A MONTE)
Konc normal consolidato	= 0.62539		
esponente di OCR	= 0.50000		
OCR: grado di sovraconsolidazione	= 1.0000		
modello di rigidezza	= 1.0000		
modulo el. compr. vergine	= 31000.	kPa	
modulo el. scarico/ricarico	= 31000.	kPa	
natura 1=granulare, 2=argilla	= 1.0000		(A VALLE)
coesione	= 75.000	kPa	(A VALLE)

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 1

angolo di attrito	= 22.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.42300		(A VALLE)
coeff. spinta passiva kp	= 1.3005		(A VALLE)
LAYER Strato7			
natura 1=granulare, 2=argilla	= 1.0000		
quota superiore	= -7.5000	m	
quota inferiore	= -8.5000	m	
peso fuori falda	= 23.000	kN/m ³	
peso efficace in falda	= 13.000	kN/m ³	
peso dell'acqua	= 10.000	kN/m ³	
coesione	= 75.000	kPa	(A MONTE)
angolo di attrito	= 22.000	DEG	(A MONTE)
coeff. spinta attiva ka	= 0.42300		(A MONTE)
coeff. spinta passiva kp	= 1.3005		(A MONTE)
Konc normal consolidato	= 0.62539		
esponente di OCR	= 0.50000		
OCR: grado di sovraconsolidazione	= 1.0000		
modello di rigidezza	= 1.0000		
modulo el. compr. vergine	= 32500.	kPa	
modulo el. scarico/ricarico	= 32500.	kPa	
natura 1=granulare, 2=argilla	= 1.0000		(A VALLE)
coesione	= 75.000	kPa	(A VALLE)
angolo di attrito	= 22.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.42300		(A VALLE)
coeff. spinta passiva kp	= 1.3005		(A VALLE)
LAYER Strato8			
natura 1=granulare, 2=argilla	= 1.0000		
quota superiore	= -8.5000	m	
quota inferiore	= -9.5000	m	
peso fuori falda	= 23.000	kN/m ³	
peso efficace in falda	= 13.000	kN/m ³	
peso dell'acqua	= 10.000	kN/m ³	
coesione	= 75.000	kPa	(A MONTE)
angolo di attrito	= 22.000	DEG	(A MONTE)
coeff. spinta attiva ka	= 0.42300		(A MONTE)
coeff. spinta passiva kp	= 1.3005		(A MONTE)
Konc normal consolidato	= 0.62539		
esponente di OCR	= 0.50000		
OCR: grado di sovraconsolidazione	= 1.0000		
modello di rigidezza	= 1.0000		
modulo el. compr. vergine	= 34000.	kPa	
modulo el. scarico/ricarico	= 34000.	kPa	
natura 1=granulare, 2=argilla	= 1.0000		(A VALLE)
coesione	= 75.000	kPa	(A VALLE)

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 1

angolo di attrito	= 22.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.42300		(A VALLE)
coeff. spinta passiva kp	= 1.3005		(A VALLE)
LAYER Stratoll			
natura 1=granulare, 2=argilla	= 1.0000		
quota superiore	= -11.500	m	
quota inferiore	= -0.10000E+31	m	
peso fuori falda	= 23.000	kN/m ³	
peso efficace in falda	= 13.000	kN/m ³	
peso dell'acqua	= 10.000	kN/m ³	
coesione	= 75.000	kPa	(A MONTE)
angolo di attrito	= 22.000	DEG	(A MONTE)
coeff. spinta attiva ka	= 0.42300		(A MONTE)
coeff. spinta passiva kp	= 1.3005		(A MONTE)
Konc normal consolidato	= 0.62539		
esponente di OCR	= 0.50000		
OCR: grado di sovraconsolidazione	= 1.0000		
modello di rigidezza	= 1.0000		
modulo el. compr. vergine	= 38500.	kPa	
modulo el. scarico/ricarico	= 38500.	kPa	
natura 1=granulare, 2=argilla	= 1.0000		(A VALLE)
coesione	= 75.000	kPa	(A VALLE)
angolo di attrito	= 22.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.42300		(A VALLE)
coeff. spinta passiva kp	= 1.3005		(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

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 1

angolo di attrito	= 22.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.42300		(A VALLE)
coeff. spinta passiva kp	= 1.3005		(A VALLE)
LAYER Strato9			
natura 1=granulare, 2=argilla	= 1.0000		
quota superiore	= -9.5000	m	
quota inferiore	= -10.500	m	
peso fuori falda	= 23.000	kN/m ³	
peso efficace in falda	= 13.000	kN/m ³	
peso dell'acqua	= 10.000	kN/m ³	
coesione	= 75.000	kPa	(A MONTE)
angolo di attrito	= 22.000	DEG	(A MONTE)
coeff. spinta attiva ka	= 0.42300		(A MONTE)
coeff. spinta passiva kp	= 1.3005		(A MONTE)
Konc normal consolidato	= 0.62539		
esponente di OCR	= 0.50000		
OCR: grado di sovraconsolidazione	= 1.0000		
modello di rigidezza	= 1.0000		
modulo el. compr. vergine	= 35500.	kPa	
modulo el. scarico/ricarico	= 35500.	kPa	
natura 1=granulare, 2=argilla	= 1.0000		(A VALLE)
coesione	= 75.000	kPa	(A VALLE)
angolo di attrito	= 22.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.42300		(A VALLE)
coeff. spinta passiva kp	= 1.3005		(A VALLE)
LAYER Stratol0			
natura 1=granulare, 2=argilla	= 1.0000		
quota superiore	= -10.500	m	
quota inferiore	= -11.500	m	
peso fuori falda	= 23.000	kN/m ³	
peso efficace in falda	= 13.000	kN/m ³	
peso dell'acqua	= 10.000	kN/m ³	
coesione	= 75.000	kPa	(A MONTE)
angolo di attrito	= 22.000	DEG	(A MONTE)
coeff. spinta attiva ka	= 0.42300		(A MONTE)
coeff. spinta passiva kp	= 1.3005		(A MONTE)
Konc normal consolidato	= 0.62539		
esponente di OCR	= 0.50000		
OCR: grado di sovraconsolidazione	= 1.0000		
modello di rigidezza	= 1.0000		
modulo el. compr. vergine	= 37000.	kPa	
modulo el. scarico/ricarico	= 37000.	kPa	
natura 1=granulare, 2=argilla	= 1.0000		(A VALLE)
coesione	= 75.000	kPa	(A VALLE)

(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 PARAMETRI GEOTECNICI PER LA FASE 10

(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE
RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 11

(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE
RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 12

(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 13

(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 14

(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 15

(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

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RIASSUNTO DATI RELATIVI ALLA FASE 1

WALL LeftWall	=	0.0000	m
coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	0.0000	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	=	-10.500	m
indicatore comportamento acqua	=	0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	=	0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 2

WALL LeftWall	=	0.0000	m
coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-2.3000	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	=	-10.500	m
indicatore comportamento acqua	=	0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	=	0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 3

WALL LeftWall	=	0.0000	m
coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-2.3000	m
quota della falda	=	-0.99900E+30	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	= 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	= -10.500	m
indicatore comportamento acqua	= 0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	= 0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 4

WALL LeftWall

coordinata y	= 0.0000	m
quota piano campagna	= 0.0000	m
quota del fondo scavo	= -5.3000	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	= -10.500	m
indicatore comportamento acqua	= 0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	= 0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 5

WALL LeftWall

coordinata y	= 0.0000	m
quota piano campagna	= 0.0000	m
quota del fondo scavo	= -5.3000	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	= -10.500	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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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

WALL LeftWall

coordinata y	= 0.0000	m
quota piano campagna	= 0.0000	m
quota del fondo scavo	= -7.5000	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	= -10.500	m
indicatore comportamento acqua	= 0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	= 0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 7

WALL LeftWall

coordinata y	= 0.0000	m
quota piano campagna	= 0.0000	m
quota del fondo scavo	= -7.5000	m
quota della falda	=-0.99900E+30	m
sovraccarico a monte	= 20.000	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	= 0.0000	m
quota di taglio	= 0.0000	m
quota di equil. pressioni dell'acqua	= -10.500	m
indicatore comportamento acqua	= 0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	= 0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 8

WALL LeftWall

coordinata y	= 0.0000	m
quota piano campagna	= 0.0000	m
quota del fondo scavo	= -7.5000	m
quota della falda	=-0.99900E+30	m
sovraccarico a monte	= 20.000	kPa
quota del sovraccarico a monte	= 0.0000	m
depressione falda a valle	= 0.0000	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	= -10.500	m
indicatore comportamento acqua	= 0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	= 0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 9

WALL LeftWall

coordinata y	= 0.0000	m
quota piano campagna	= 0.0000	m
quota del fondo scavo	= -7.5000	m
quota della falda	= -0.99900E+30	m
sovraccarico a monte	= 20.000	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	= 0.0000	m
quota di taglio	= 0.0000	m
quota di equil. pressioni dell'acqua	= -10.500	m
indicatore comportamento acqua	= 0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	= 0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 10

WALL LeftWall

coordinata y	= 0.0000	m
quota piano campagna	= 0.0000	m
quota del fondo scavo	= -6.0000	m
quota della falda	= -0.99900E+30	m
sovraccarico a monte	= 20.000	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	= 0.0000	m
quota di taglio	= 0.0000	m
quota di equil. pressioni dell'acqua	= -10.500	m
indicatore comportamento acqua	= 0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	= 0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 11

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RIASSUNTO DATI RELATIVI ALLA FASE 11

WALL LeftWall

coordinata y	= 0.0000	m
quota piano campagna	= 0.0000	m
quota del fondo scavo	= -6.0000	m
quota della falda	= -0.99900E+30	m
sovraccarico a monte	= 20.000	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	= 0.0000	m
quota di taglio	= 0.0000	m
quota di equil. pressioni dell'acqua	= -10.500	m
indicatore comportamento acqua	= 0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	= 0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 12

WALL LeftWall

coordinata y	= 0.0000	m
quota piano campagna	= 0.0000	m
quota del fondo scavo	= -6.0000	m
quota della falda	= -0.99900E+30	m
sovraccarico a monte	= 20.000	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	= 0.0000	m
quota di taglio	= 0.0000	m
quota di equil. pressioni dell'acqua	= -10.500	m
indicatore comportamento acqua	= 0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	= 0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 13

WALL LeftWall

coordinata y	= 0.0000	m
quota piano campagna	= 0.0000	m
quota del fondo scavo	= -6.0000	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	= 0.0000	m
quota di taglio	= 0.0000	m

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RIASSUNTO DATI RELATIVI ALLA FASE 13

quota di equil. pressioni dell'acqua	= -10.500	m
indicatore comportamento acqua	= 0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	= 0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 14

WALL LeftWall

coordinata y	= 0.0000	m
quota piano campagna	= 0.0000	m
quota del fondo scavo	= -7.5000	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	= 0.0000	m
quota di taglio	= 0.0000	m
quota di equil. pressioni dell'acqua	= -10.500	m
indicatore comportamento acqua	= 0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	= 0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 15

WALL LeftWall

coordinata y	= 0.0000	m
quota piano campagna	= 0.0000	m
quota del fondo scavo	= -7.5000	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	= 0.0000	m
quota di taglio	= 0.0000	m
quota di equil. pressioni dell'acqua	= -10.500	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	
UHLeft	LeftWall	0.	-10.50	UPHILL	0.	
DHLeft	LeftWall	0.	-10.50	DOWNHILL	180.0	

RIASSUNTO ELEMENTI BEAM						
Name	Wall	Z1	Z2	Mat	thick	
		m	m		m	
Paratia	LeftWall	0.	-10.50	_	0.5646E-01	

RIASSUNTO ELEMENTI WIRE							
Name	Wall	Zeta	Mat	A/L	Pinit	Angle	
		m			kN/m	deg	
PrimOrd	LeftWall	-1.800	_	0.1500E-04	60.35	20.00	
SecOrd	LeftWall	-4.800	_	0.1500E-04	43.12	20.00	
PrimOrd_2	LeftWall	-1.300	_	0.1533E-04	60.00	20.00	
SecOrd_2	LeftWall	-4.300	_	0.1840E-04	40.00	20.00	

PARATIE 6.0

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

RIASSUNTO DATI VARI

MATERIALI	
Name	YOUNG MODULUS
	kPa
Acci	2.0594E+008
Tira	2.101E+008

FONDAZIONI NASTRIFORMI						
Wall	Formula	Dy	Width B	Elev.	Qf	Diff. Angle
		m	m	m	kPa	deg
Left	boussineq	6	2	0	5.81	45
Left	boussineq	8	2	0	17.43	45
Left	boussineq	10	2	0	29.04	45
Left	boussineq	12	2	0	40.66	45
Left	boussineq	14	2	0	52.28	45
Left	boussineq	16	2	0	63.9	45
Left	boussineq	18	2	0	75.52	45
Left	boussineq	20	2	0	87.13	45
Left	boussineq	22	2	0	98.75	45
Left	boussineq	24	2	0	110.37	45
Left	boussineq	26	2	0	121.99	45
Left	boussineq	28	2	0	133.6	45
Left	boussineq	30	2	0	145.22	45
Left	boussineq	32	2	0	156.84	45
Left	boussineq	34	2	0	168.46	45

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

DISTRIBUTED LOAD SUMMARY

Wall	From step	To step	Z1	P1	Z2	P2
Left	15	15	-10.500	0.0000	0.0000	2.2000

UNITS FOR Z1 , Z2 =m

UNITS FOR P1 , P2 =kPa

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

RIASSUNTO ANALISI INCREMENTALE

FASE	N. DI ITERAZIONI	CONVERGENZA
1	2	SI
2	5	SI
3	2	SI
4	2	SI
5	2	SI
6	2	SI
7	2	SI
8	5	SI
9	7	SI
10	5	SI
11	3	SI
12	3	SI
13	3	SI
14	3	SI
15	3	SI

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

MASSIMI SPOSTAMENTI LATERALI

TUTTI I PASSI

* PARETE LeftWall*

* I PASSI NON EQUILIBRATI SONO ESCLUSI *

* NOTA: LE QUOTE ESPRESSE IN m
E GLI SPOSTAMENTI IN m

NODO	QUOTA ZETA	SPOSTAMENTO MASSIMO	FASE PARETE LeftWall
1	0.0000	0.15217	10
2	-0.20000	0.14781	10
3	-0.40000	0.14346	10
4	-0.60000	0.13911	10
5	-0.80000	0.13475	10
6	-1.0000	0.13040	10
7	-1.2000	0.12604	10
8	-1.3000	0.12387	10
9	-1.5000	0.11951	10
10	-1.7000	0.11516	10
11	-1.8000	0.11298	10
12	-2.0000	0.10863	10
13	-2.2000	0.10427	10
14	-2.4000	0.99924E-01	10
15	-2.6000	0.95581E-01	10
16	-2.8000	0.91251E-01	10
17	-3.0000	0.86941E-01	10
18	-3.2000	0.82658E-01	10
19	-3.4000	0.78407E-01	10
20	-3.6000	0.74196E-01	10
21	-3.8000	0.70032E-01	10
22	-4.0000	0.66000E-01	11
23	-4.2000	0.62169E-01	11
24	-4.3000	0.60254E-01	11
25	-4.5000	0.56435E-01	11
26	-4.7000	0.52641E-01	11
27	-4.8000	0.50758E-01	11
28	-5.0000	0.47027E-01	11
29	-5.2000	0.43355E-01	11
30	-5.4000	0.39756E-01	11
31	-5.6000	0.36243E-01	11
32	-5.8000	0.32830E-01	11
33	-6.0000	0.29531E-01	11
34	-6.2000	0.26480E-01	9
35	-6.4000	0.23685E-01	9
36	-6.6000	0.21030E-01	9
37	-6.8000	0.18520E-01	9
38	-7.0000	0.16161E-01	9

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

NODO	QUOTA ZETA	SPOSTAMENTO MASSIMO	FASE PARETE LeftWall
39	-7.2000	0.13962E-01	9
40	-7.4000	0.11939E-01	9
41	-7.6000	0.10123E-01	9
42	-7.8000	0.86931E-02	7
43	-8.0000	0.77177E-02	7
44	-8.2000	0.68624E-02	7
45	-8.4000	0.61466E-02	8
46	-8.6000	0.55654E-02	8
47	-8.8000	0.51063E-02	8
48	-9.0000	0.47540E-02	8
49	-9.2000	0.44898E-02	8
50	-9.4000	0.42942E-02	8
51	-9.6000	0.41495E-02	8
52	-9.8000	0.40402E-02	8
53	-10.000	0.39531E-02	8
54	-10.200	0.39202E-02	9
55	-10.400	0.39361E-02	9
56	-10.500	0.39442E-02	9

PARATIE 6.0

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

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

* PARETE LeftWall GRUPPO Paratia*

STEP 1 - 15

* 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.	0.1478E-10	0.5116E-11	2.112
	B	-0.2000	0.4225	0.7276E-11	2.112
2	A	-0.2000	0.4225	0.1194E-10	6.375
	B	-0.4000	1.697	0.1978E-10	6.375
3	A	-0.4000	1.697	0.1614E-10	10.67
	B	-0.6000	3.832	0.3001E-10	10.67
4	A	-0.6000	3.832	0.1558E-10	14.99
	B	-0.8000	6.830	0.2706E-10	14.99
5	A	-0.8000	6.830	0.2422E-10	19.31
	B	-1.000	10.69	0.4616E-10	19.31
6	A	-1.000	10.69	0.4547E-10	23.58
	B	-1.200	15.41	0.4002E-10	23.58
7	A	-1.200	15.41	0.7435E-10	26.71
	B	-1.300	18.08	0.5502E-10	26.71
8	A	-1.300	18.08	0.4127E-10	27.71
	B	-1.500	15.19	0.1933E-10	27.71
9	A	-1.500	15.19	0.1762E-10	25.51
	B	-1.700	20.29	0.3024E-10	25.51
10	A	-1.700	20.29	0.4525E-10	29.11
	B	-1.800	23.20	0.5808E-16	29.11
11	A	-1.800	23.20	0.5808E-16	35.99
	B	-2.000	16.01	0.9216E-16	35.99
12	A	-2.000	16.01	0.9216E-16	30.27
	B	-2.200	9.952	1.911	30.27
13	A	-2.200	9.952	1.911	24.74
	B	-2.400	5.116	4.070	24.74
14	A	-2.400	5.116	4.070	19.67
	B	-2.600	4.012	5.640	19.67
15	A	-2.600	4.012	5.640	16.09
	B	-2.800	4.586	6.218	16.09
16	A	-2.800	4.586	6.218	12.90
	B	-3.000	4.568	6.849	12.90
17	A	-3.000	4.568	6.849	10.55
	B	-3.200	4.176	8.770	10.55

PARATIE 6.0

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

BEAM EL.	ESTREMO	QUOTA	MOMENTO SX	MOMENTO DX	TAGLIO
18	A	-3.200	4.176	8.770	8.654
	B	-3.400	4.399	10.07	8.654
19	A	-3.400	4.399	10.07	11.71
	B	-3.600	5.162	10.75	11.71
20	A	-3.600	5.162	10.75	14.82
	B	-3.800	5.922	11.09	14.82
21	A	-3.800	5.922	11.09	17.78
	B	-4.000	6.881	11.88	17.78
22	A	-4.000	6.881	11.88	20.71
	B	-4.200	9.911	12.33	20.71
23	A	-4.200	9.911	12.33	22.99
	B	-4.300	12.21	12.39	22.99
24	A	-4.300	12.21	12.39	16.41
	B	-4.500	11.36	12.15	16.41
25	A	-4.500	11.36	12.15	19.86
	B	-4.700	14.25	11.38	19.86
26	A	-4.700	14.25	11.38	24.57
	B	-4.800	15.97	10.73	24.57
27	A	-4.800	15.97	10.73	33.93
	B	-5.000	9.180	8.801	33.93
28	A	-5.000	9.180	8.801	29.83
	B	-5.200	7.647	5.794	29.83
29	A	-5.200	7.647	5.794	25.66
	B	-5.400	8.156	4.652	25.66
30	A	-5.400	8.156	4.652	21.48
	B	-5.600	8.666	8.220	21.48
31	A	-5.600	8.666	8.220	18.13
	B	-5.800	9.176	11.23	18.13
32	A	-5.800	9.176	11.23	14.68
	B	-6.000	9.828	13.66	14.68
33	A	-6.000	9.828	13.66	10.98
	B	-6.200	10.75	15.45	10.98
34	A	-6.200	10.75	15.45	6.824
	B	-6.400	11.62	16.49	6.824
35	A	-6.400	11.62	16.49	5.481
	B	-6.600	12.44	16.73	5.481
36	A	-6.600	12.44	16.73	5.727
	B	-6.800	13.23	16.16	5.727
37	A	-6.800	13.23	16.16	9.557
	B	-7.000	13.99	14.36	9.557
38	A	-7.000	13.99	14.36	16.95
	B	-7.200	15.29	11.04	16.95
39	A	-7.200	15.29	11.04	26.13
	B	-7.400	17.81	5.849	26.13
40	A	-7.400	17.81	5.849	37.28
	B	-7.600	22.17	0.	37.28

PARATIE 6.0

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

BEAM EL.	ESTREMO	QUOTA	MOMENTO SX	MOMENTO DX	TAGLIO
41	A	-7.600	22.17	0.	24.18
	B	-7.800	23.55	0.	24.18
42	A	-7.800	23.55	0.	13.53
	B	-8.000	22.84	0.3367E-17	13.53
43	A	-8.000	22.84	0.3367E-17	10.66
	B	-8.200	20.71	0.6253E-17	10.66
44	A	-8.200	20.71	0.6253E-17	14.66
	B	-8.400	17.77	0.7912E-17	14.66
45	A	-8.400	17.77	0.7912E-17	15.99
	B	-8.600	14.62	0.8585E-17	15.99
46	A	-8.600	14.62	0.8585E-17	15.98
	B	-8.800	11.46	0.8462E-17	15.98
47	A	-8.800	11.46	0.8462E-17	14.67
	B	-9.000	8.548	0.7758E-17	14.67
48	A	-9.000	8.548	0.7758E-17	12.57
	B	-9.200	6.041	0.3100E-01	12.57
49	A	-9.200	6.041	0.3100E-01	10.16
	B	-9.400	4.063	0.5414E-01	10.16
50	A	-9.400	4.063	0.5414E-01	7.647
	B	-9.600	2.721	0.2652E-01	7.647
51	A	-9.600	2.721	0.2652E-01	5.598
	B	-9.800	1.688	0.1422E-01	5.598
52	A	-9.800	1.688	0.1422E-01	4.082
	B	-10.00	0.8713	0.1122E-01	4.082
53	A	-10.00	0.8713	0.1122E-01	2.818
	B	-10.20	0.3080	0.1100E-01	2.818
54	A	-10.20	0.3080	0.1100E-01	1.412
	B	-10.40	0.2558E-01	0.6578E-02	1.412
55	A	-10.40	0.2558E-01	0.6578E-02	0.2558
	B	-10.50	0.1513E-11	0.9379E-12	0.2558

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

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

TIRANTE	PrimOrd	1 PARETE LeftWall	QUOTA	-1.8000
		FASE 1 inattivo		
		FASE 2 inattivo		
		FASE 3 FORZA 60.350	kN/m	
		FASE 4 FORZA 65.992	kN/m	
		FASE 5 FORZA 66.087	kN/m	
		FASE 6 FORZA 64.947	kN/m	
		FASE 7 FORZA 73.396	kN/m	
		FASE 8 inattivo		
		FASE 9 inattivo		
		FASE 10 inattivo		
		FASE 11 inattivo		
		FASE 12 inattivo		
		FASE 13 inattivo		
		FASE 14 inattivo		
		FASE 15 inattivo		
TIRANTE	SecOrd	1 PARETE LeftWall	QUOTA	-4.8000
		FASE 1 inattivo		
		FASE 2 inattivo		
		FASE 3 inattivo		
		FASE 4 inattivo		
		FASE 5 FORZA 43.120	kN/m	
		FASE 6 FORZA 52.612	kN/m	
		FASE 7 FORZA 57.897	kN/m	
		FASE 8 FORZA 57.511	kN/m	
		FASE 9 inattivo		
		FASE 10 inattivo		
		FASE 11 inattivo		
		FASE 12 inattivo		
		FASE 13 inattivo		
		FASE 14 inattivo		
		FASE 15 inattivo		
TIRANTE	PrimOrd_2	1 PARETE LeftWall	QUOTA	-1.3000
		FASE 1 inattivo		
		FASE 2 inattivo		
		FASE 3 inattivo		
		FASE 4 inattivo		
		FASE 5 inattivo		
		FASE 6 inattivo		
		FASE 7 inattivo		
		FASE 8 inattivo		
		FASE 9 inattivo		

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

FASE 10	inattivo		
FASE 11	FORZA	60.000	kN/m
FASE 12	FORZA	60.137	kN/m
FASE 13	FORZA	54.627	kN/m
FASE 14	FORZA	54.622	kN/m
FASE 15	FORZA	56.202	kN/m

TIRANTE SecOrd_2

1	PARETE LeftWall	QUOTA	-4.3000
FASE 1	inattivo		
FASE 2	inattivo		
FASE 3	inattivo		
FASE 4	inattivo		
FASE 5	inattivo		
FASE 6	inattivo		
FASE 7	inattivo		
FASE 8	inattivo		
FASE 9	inattivo		
FASE 10	inattivo		
FASE 11	inattivo		
FASE 12	FORZA	40.000	kN/m
FASE 13	FORZA	36.750	kN/m
FASE 14	FORZA	36.593	kN/m
FASE 15	FORZA	37.268	kN/m

INVILUPPO RISULTATI NEGLI ELEMENTI TERRENO

* PARETE LeftWall GRUPPO UHLeft*

STEP 1 - 15

* 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.	21.12	10.00	0.	0.
2	-0.2000	21.31	11.90	0.	0.
3	-0.4000	21.48	13.80	0.	0.
4	-0.6000	21.60	15.70	0.	0.
5	-0.8000	21.59	17.60	0.	0.
6	-1.000	21.38	19.51	0.	0.
7	-1.200	20.83	21.41	0.	0.
8	-1.300	20.40	22.37	0.	0.
9	-1.500	20.82	24.28	0.	0.
10	-1.700	23.96	25.94	0.	0.
11	-1.800	25.83	26.56	0.	0.
12	-2.000	28.84	27.81	0.	0.
13	-2.200	31.67	29.07	0.	0.
14	-2.400	33.96	30.32	0.	0.
15	-2.600	40.44	35.03	0.	0.
16	-2.800	43.38	37.36	0.	0.
17	-3.000	46.83	39.69	0.	0.
18	-3.200	50.26	42.03	0.	0.
19	-3.400	53.68	44.37	0.	0.
20	-3.600	57.08	46.71	0.	0.
21	-3.800	60.47	49.06	0.	0.
22	-4.000	63.84	51.41	0.	0.
23	-4.200	67.19	53.76	0.	0.
24	-4.300	68.85	54.94	0.	0.
25	-4.500	72.18	57.30	0.	0.
26	-4.700	75.49	59.66	0.	0.
27	-4.800	77.13	60.85	0.	0.
28	-5.000	80.42	63.21	0.	0.
29	-5.200	83.68	65.58	0.	0.
30	-5.400	86.93	67.95	0.	0.
31	-5.600	90.17	70.33	0.	0.
32	-5.800	93.39	72.70	0.	0.
33	-6.000	96.59	75.08	0.	0.
34	-6.200	99.78	77.46	0.	0.
35	-6.400	103.0	79.85	0.	0.

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
36	-6.600	106.1	82.24	0.	0.
37	-6.800	109.3	84.67	0.	0.
38	-7.000	112.4	79.87	0.	0.
39	-7.200	115.5	73.49	0.	0.
40	-7.400	118.6	67.69	0.	0.
41	-7.600	121.7	64.30	0.	0.
42	-7.800	124.8	60.24	0.	0.
43	-8.000	127.8	57.75	0.	0.
44	-8.200	130.9	55.64	0.	0.
45	-8.400	133.9	54.02	0.	0.
46	-8.600	137.0	53.87	0.	0.
47	-8.800	140.0	53.16	0.	0.
48	-9.000	143.0	52.85	0.	0.
49	-9.200	146.0	52.85	0.	0.
50	-9.400	149.0	53.11	0.	0.
51	-9.600	152.0	54.30	0.	0.
52	-9.800	155.0	54.85	0.	0.
53	-10.00	157.9	55.49	0.	0.
54	-10.20	160.9	56.25	0.	0.
55	-10.40	163.8	57.20	0.	0.
56	-10.50	165.3	58.39	0.	0.

PARATIE 6.0

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

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12 MAGGIO 2003 12:16:42

PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

INVILUPPO RISULTATI NEGLI ELEMENTI TERRENO

* PARETE LeftWall GRUPPO DHLeft*

STEP 1 - 15

* 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	2.790	0.5050	0.	0.
3	-0.4000	5.578	1.011	0.	0.
4	-0.6000	8.364	1.518	0.	0.
5	-0.8000	11.14	2.028	0.	0.
6	-1.000	13.92	2.541	0.	0.
7	-1.200	16.69	3.057	0.	0.
8	-1.300	18.07	3.317	0.	0.
9	-1.500	20.82	3.841	0.	0.
10	-1.700	23.56	4.370	0.	0.
11	-1.800	24.93	4.637	0.	0.
12	-2.000	27.65	5.175	0.	0.
13	-2.200	30.36	5.720	0.	0.
14	-2.400	33.06	10.02	0.	0.
15	-2.600	39.91	16.65	0.	0.
16	-2.800	43.38	14.91	0.	0.
17	-3.000	46.83	13.25	0.	0.
18	-3.200	50.26	11.77	0.	0.
19	-3.400	53.68	10.51	0.	0.
20	-3.600	57.08	9.679	0.	0.
21	-3.800	60.47	8.759	0.	0.
22	-4.000	63.84	9.082	0.	0.
23	-4.200	67.19	9.707	0.	0.
24	-4.300	68.85	10.02	0.	0.
25	-4.500	72.18	10.66	0.	0.
26	-4.700	75.49	11.31	0.	0.
27	-4.800	77.13	11.63	0.	0.
28	-5.000	80.42	12.29	0.	0.
29	-5.200	83.68	12.96	0.	0.
30	-5.400	86.93	32.75	0.	0.
31	-5.600	90.17	33.66	0.	0.
32	-5.800	93.39	32.44	0.	0.
33	-6.000	96.59	30.95	0.	0.
34	-6.200	99.78	29.42	0.	0.
35	-6.400	103.0	27.95	0.	0.

PARATIE 6.0

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12:16:42

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

PAG. 36

PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
36	-6.600	106.1	27.23	0.	0.
37	-6.800	109.3	25.95	0.	0.
38	-7.000	112.4	24.80	0.	0.
39	-7.200	115.5	23.84	0.	0.
40	-7.400	118.6	23.04	0.	0.
41	-7.600	144.8	65.33	0.	0.
42	-7.800	137.6	60.04	0.	0.
43	-8.000	132.9	55.90	0.	0.
44	-8.200	130.9	51.87	0.	0.
45	-8.400	133.9	48.30	0.	0.
46	-8.600	137.0	46.48	0.	0.
47	-8.800	140.0	43.85	0.	0.
48	-9.000	143.0	41.71	0.	0.
49	-9.200	146.0	40.00	0.	0.
50	-9.400	149.0	38.61	0.	0.
51	-9.600	152.0	38.33	0.	0.
52	-9.800	155.0	37.31	0.	0.
53	-10.00	157.9	36.37	0.	0.
54	-10.20	160.9	35.73	0.	0.
55	-10.40	163.8	35.34	0.	0.
56	-10.50	165.3	35.98	0.	0.

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 -->	UHLe	DHLe
SPINTA EFFICACE VERA			872.04	872.04
SPINTA ACQUA			0.	0.
SPINTA TOTALE VERA			872.04	872.04
SPINTA ATTIVA (POSSIBILE)			0.72131	0.18341E-01
SPINTA PASSIVA (POSSIBILE)			3048.0	3014.7
RAPPORTO PASSIVA/VERA			3.4953	3.4570
SPINTA PASSIVA MOBILITATA			29.%	29.%
RAPPORTO VERA/ATTIVA			1209.0	47545.

PARATIE 6.0
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 PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

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

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FASE	2	GRUPPO -->	UHLe	DHLe
		SPINTA EFFICACE VERA	771.83	771.83
		SPINTA ACQUA	0.	0.
		SPINTA TOTALE VERA	771.83	771.83
		SPINTA ATTIVA (POSSIBILE)	0.72131	0.
		SPINTA PASSIVA (POSSIBILE)	3048.0	2373.7
		RAPPORTO PASSIVA/VERA	3.9490	3.0754
		SPINTA PASSIVA MOBILITATA	25.%	33.%
		RAPPORTO VERA/ATTIVA	1070.0	0.10000E+06

FASE	3	GRUPPO -->	UHLe	DHLe
		SPINTA EFFICACE VERA	817.30	760.59
		SPINTA ACQUA	0.	0.
		SPINTA TOTALE VERA	817.30	760.59
		SPINTA ATTIVA (POSSIBILE)	0.72131	0.
		SPINTA PASSIVA (POSSIBILE)	3048.0	2373.7
		RAPPORTO PASSIVA/VERA	3.7293	3.1208
		SPINTA PASSIVA MOBILITATA	27.%	32.%
		RAPPORTO VERA/ATTIVA	1133.1	0.10000E+06

FASE	4	GRUPPO -->	UHLe	DHLe
		SPINTA EFFICACE VERA	603.32	541.30
		SPINTA ACQUA	0.	0.
		SPINTA TOTALE VERA	603.32	541.30
		SPINTA ATTIVA (POSSIBILE)	0.72131	0.
		SPINTA PASSIVA (POSSIBILE)	3048.0	1294.1
		RAPPORTO PASSIVA/VERA	5.0521	2.3906
		SPINTA PASSIVA MOBILITATA	20.%	42.%
		RAPPORTO VERA/ATTIVA	836.42	0.10000E+06

FASE	5	GRUPPO -->	UHLe	DHLe
		SPINTA EFFICACE VERA	636.82	534.20
		SPINTA ACQUA	0.	0.
		SPINTA TOTALE VERA	636.82	534.20
		SPINTA ATTIVA (POSSIBILE)	0.72131	0.
		SPINTA PASSIVA (POSSIBILE)	3048.0	1294.1
		RAPPORTO PASSIVA/VERA	4.7863	2.4224
		SPINTA PASSIVA MOBILITATA	21.%	41.%
		RAPPORTO VERA/ATTIVA	882.86	0.10000E+06

PARATIE 6.0

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

FASE	6	GRUPPO -->	UHLe	DHLe
			457.66	347.19
			0.	0.
			457.66	347.19
			0.72131	0.
			3048.0	647.93
			6.6599	1.8662
			15.%	54.%
			634.49	0.10000E+06

FASE	7	GRUPPO -->	UHLe	DHLe
			495.66	372.28
			0.	0.
			495.66	372.28
			9.8354	0.
			3338.9	647.93
			6.7363	1.7404
			15.%	57.%
			50.395	0.10000E+06

FASE	8	GRUPPO -->	UHLe	DHLe
			426.30	372.24
			0.	0.
			426.30	372.24
			9.8354	0.
			3338.9	647.93
			7.8323	1.7406
			13.%	57.%
			43.343	0.10000E+06

FASE	9	GRUPPO -->	UHLe	DHLe
			362.62	362.62
			0.	0.
			362.62	362.62
			9.8354	0.
			3338.9	647.93
			9.2077	1.7868
			11.%	56.%
			36.868	0.10000E+06

PARATIE 6.0
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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

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

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FASE 10	GRUPPO -->	UHLe	DHLe
	SPINTA EFFICACE VERA	401.81	401.81
	SPINTA ACQUA	0.	0.
	SPINTA TOTALE VERA	401.81	401.81
	SPINTA ATTIVA (POSSIBILE)	9.8354	0.
	SPINTA PASSIVA (POSSIBILE)	3338.9	1089.7
	RAPPORTO PASSIVA/VERA	8.3096	2.7121
	SPINTA PASSIVA MOBILITATA	12.%	37.%
	RAPPORTO VERA/ATTIVA	40.853	0.10000E+06

FASE 11	GRUPPO -->	UHLe	DHLe
	SPINTA EFFICACE VERA	459.62	403.24
	SPINTA ACQUA	0.	0.
	SPINTA TOTALE VERA	459.62	403.24
	SPINTA ATTIVA (POSSIBILE)	9.8354	0.
	SPINTA PASSIVA (POSSIBILE)	3338.9	1089.7
	RAPPORTO PASSIVA/VERA	7.2644	2.7024
	SPINTA PASSIVA MOBILITATA	14.%	37.%
	RAPPORTO VERA/ATTIVA	46.731	0.10000E+06

FASE 12	GRUPPO -->	UHLe	DHLe
	SPINTA EFFICACE VERA	496.60	402.50
	SPINTA ACQUA	0.	0.
	SPINTA TOTALE VERA	496.60	402.50
	SPINTA ATTIVA (POSSIBILE)	9.8354	0.
	SPINTA PASSIVA (POSSIBILE)	3338.9	1089.7
	RAPPORTO PASSIVA/VERA	6.7234	2.7074
	SPINTA PASSIVA MOBILITATA	15.%	37.%
	RAPPORTO VERA/ATTIVA	50.491	0.10000E+06

FASE 13	GRUPPO -->	UHLe	DHLe
	SPINTA EFFICACE VERA	474.88	389.01
	SPINTA ACQUA	0.	0.
	SPINTA TOTALE VERA	474.88	389.01
	SPINTA ATTIVA (POSSIBILE)	0.72131	0.
	SPINTA PASSIVA (POSSIBILE)	3048.0	1089.7
	RAPPORTO PASSIVA/VERA	6.4185	2.8013
	SPINTA PASSIVA MOBILITATA	16.%	36.%
	RAPPORTO VERA/ATTIVA	658.36	0.10000E+06

PARATIE 6.0
12 MAGGIO 2003 12:16:42
PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

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

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FASE 14	GRUPPO -->	UHLe	DHLe
	SPINTA EFFICACE VERA	441.96	356.25
	SPINTA ACQUA	0.	0.
	SPINTA TOTALE VERA	441.96	356.25
	SPINTA ATTIVA (POSSIBILE)	0.72131	0.
	SPINTA PASSIVA (POSSIBILE)	3048.0	647.93
	RAPPORTO PASSIVA/VERA	6.8965	1.8188
	SPINTA PASSIVA MOBILITATA	15.%	55.%
	RAPPORTO VERA/ATTIVA	612.72	0.10000E+06

FASE 15	GRUPPO -->	UHLe	DHLe
	SPINTA EFFICACE VERA	433.29	357.01
	SPINTA ACQUA	0.	0.
	SPINTA TOTALE VERA	433.29	357.01
	SPINTA ATTIVA (POSSIBILE)	0.72131	0.
	SPINTA PASSIVA (POSSIBILE)	3048.0	647.93
	RAPPORTO PASSIVA/VERA	7.0345	1.8149
	SPINTA PASSIVA MOBILITATA	14.%	55.%
	RAPPORTO VERA/ATTIVA	600.71	0.10000E+06

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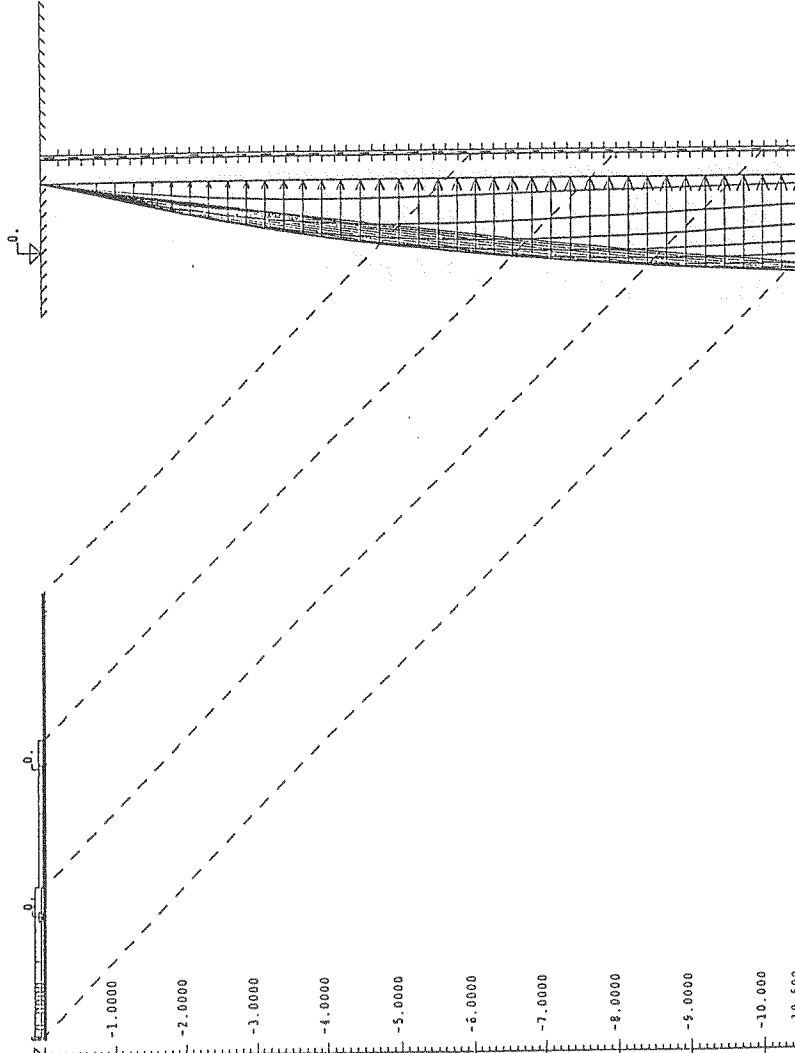
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- Stato01
- Stato02
- Stato03
- Stato04
- Stato05
- Stato06
- Stato07
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- Stato09
- Stato10
- Stato11
- Stato12
- Stato13
- Stato14
- Stato15

FASE 1

PARATIA MICROPALI IMBOCCO - GENOVA-HILANO
P:\Vio Lavorazioni\Genova-Milano\Imbocco unificato Val di Lomne\Paratia\Caso ANTH_GE-MI

Forse units= KN
Lenghi units= M

* Ce.A.S. S.r.l. Milano *

PARATIE 6.0

12 MAGGIO 2003

13:01:02

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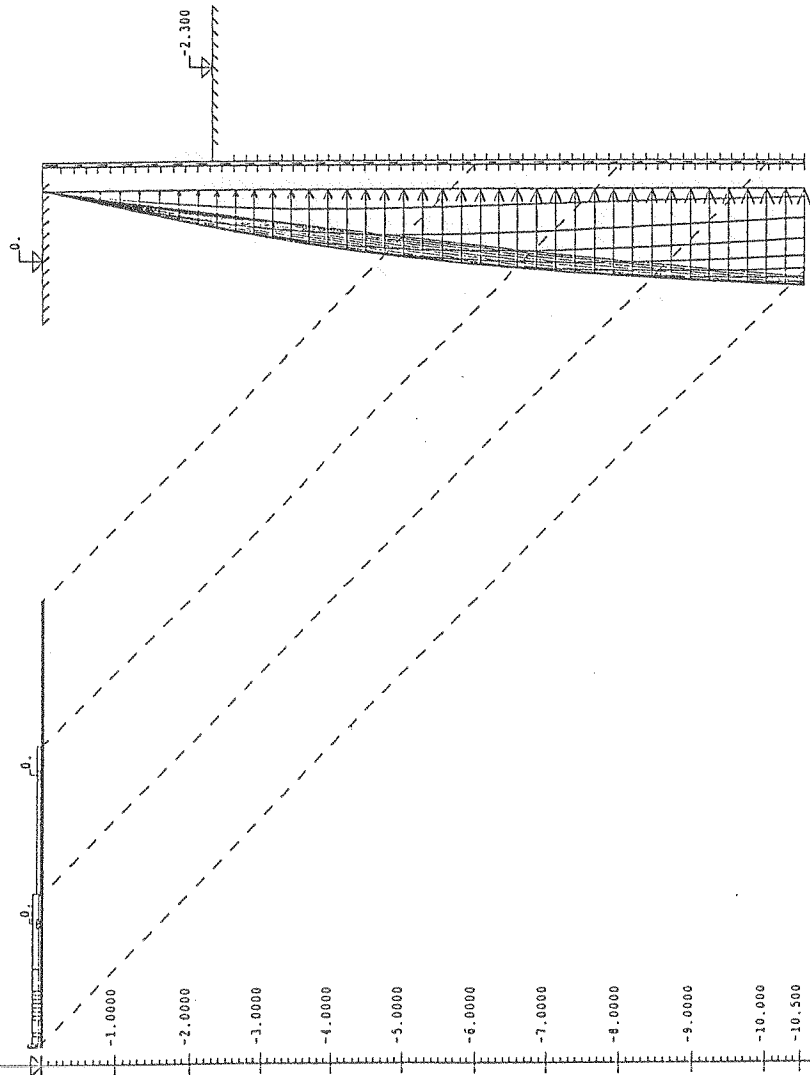
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STRATIGRAFIA

- Strat01
- Strat02
- Strat03
- Strat04
- Strat05
- Strat06
- Strat07
- Strat08
- Strat09
- Strat10

* Ce.A.S. S.r.l. MILANO *

P A R T I E 6.0

12 MAGGIO 2003 15:01:02

FASE 2

PRODOTTORE: PAVATIA MICROPALI IMBUCCO - GENOVA-MILANO
PRODOTTORE: PAVATIA MICROPALI IMBUCCO - GENOVA-MILANO

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STEAFIGRATA

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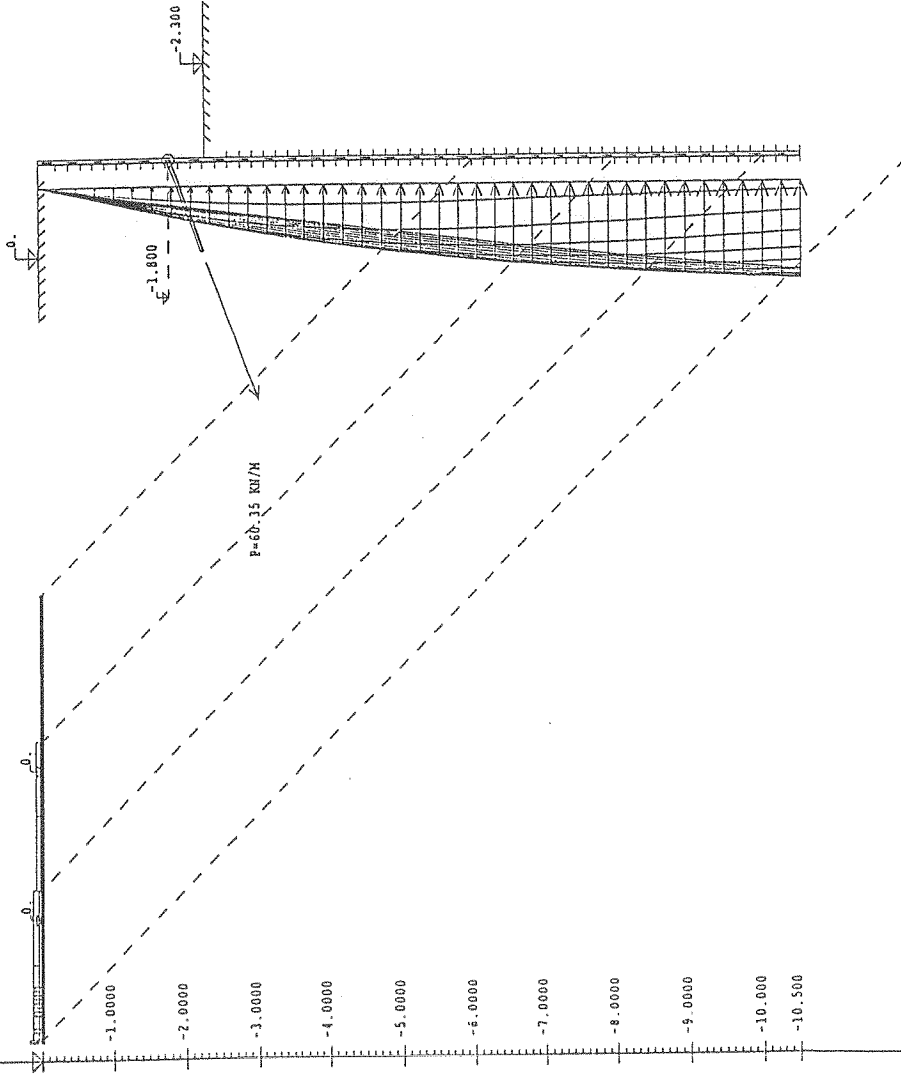
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- Stato:1
- Stato:2
- Stato:3
- Stato:4
- Stato:5
- Stato:6
- Stato:7
- Stato:8
- Stato:9

* Ce.A.S. S.r.l. Milano *

P A R A T I E 6.0

12 MAGGIO 2003 13:01:02

FASE 3

PAVANTIA MICHELE PIRUCCI - GENOVA-MILANO
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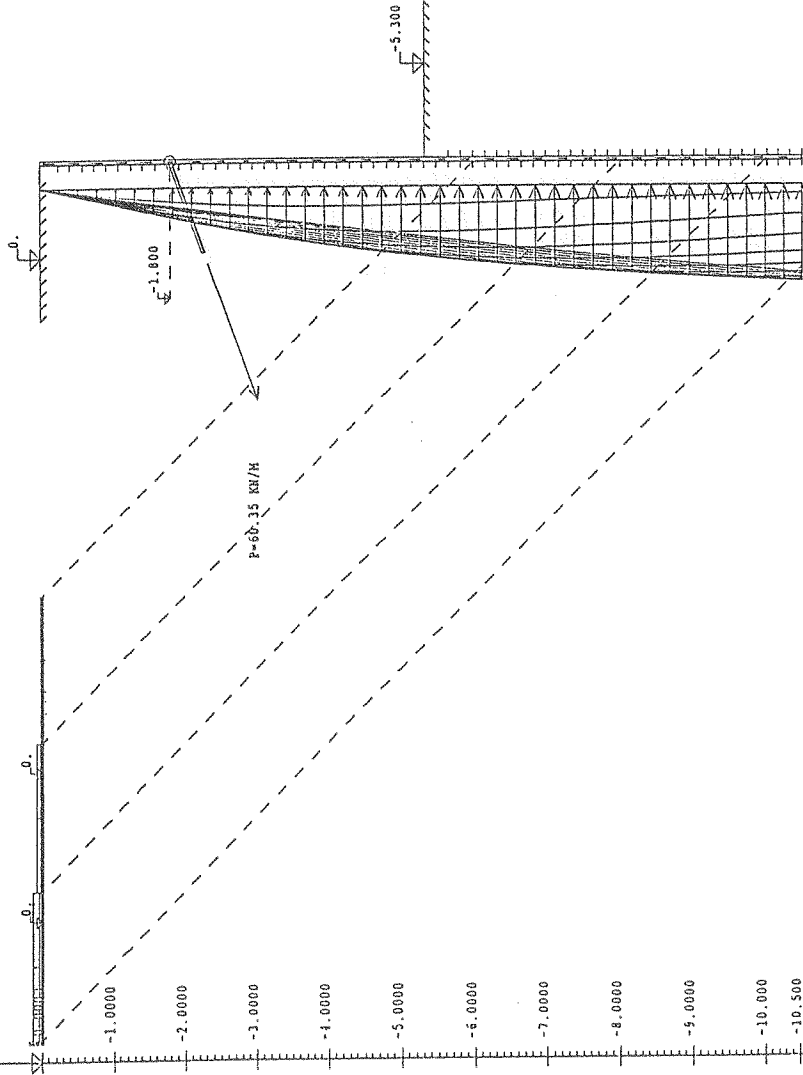
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STATISTICA

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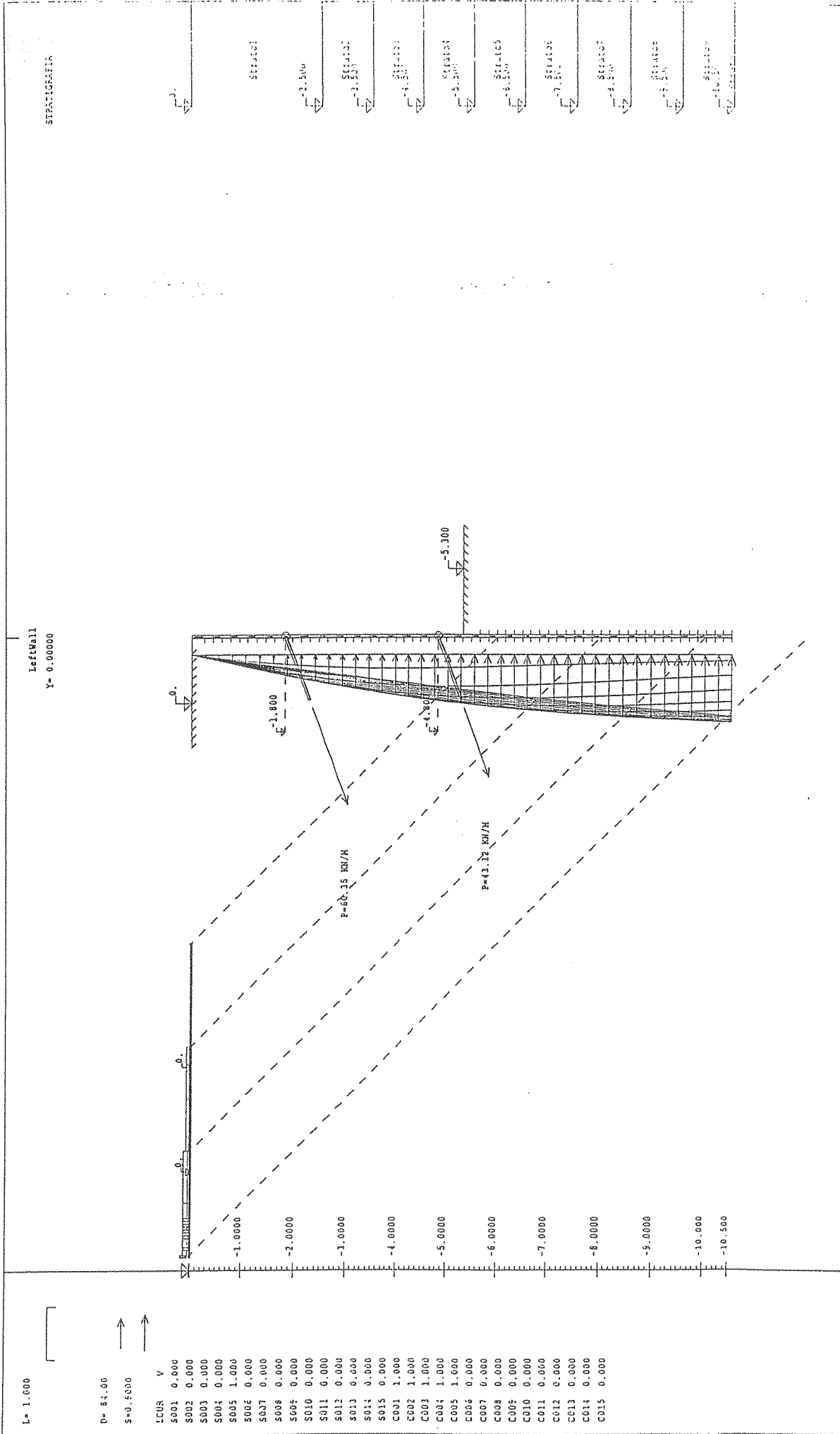
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FASE 4



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PARATIE 6.0

12 MAGGIO 2003 13:01:02

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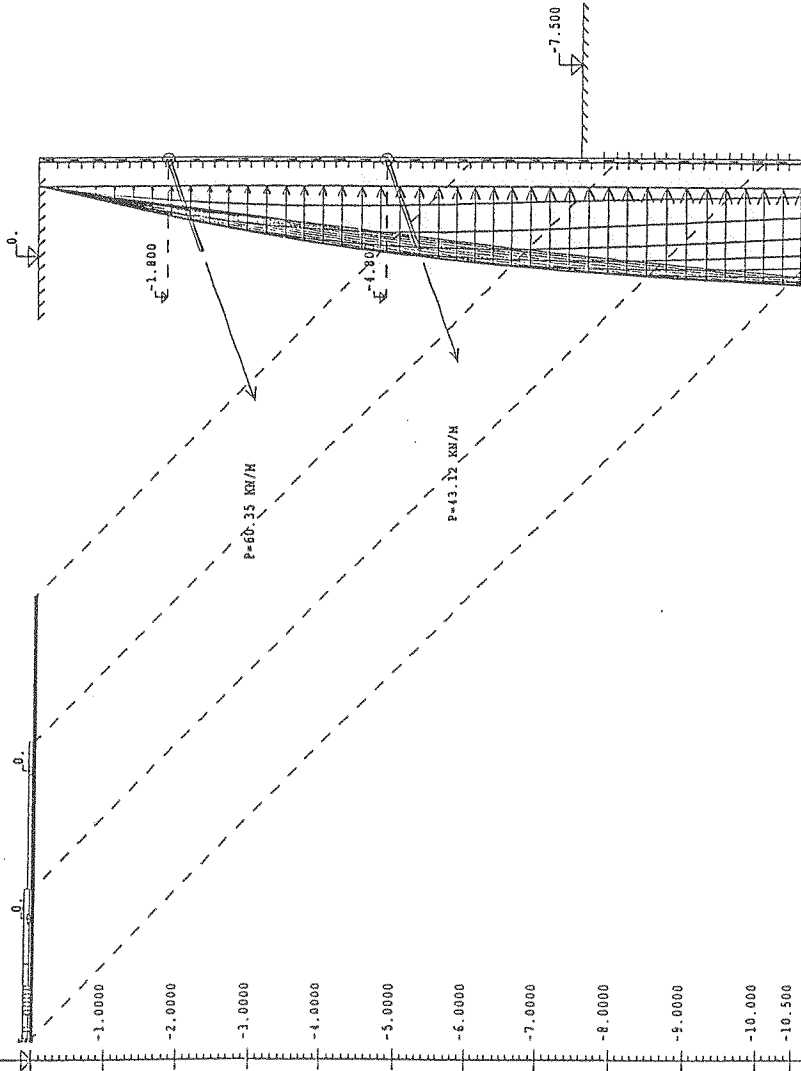
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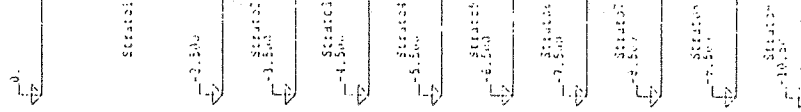
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STRATIGRAFIA



STABILIZZAZIONE

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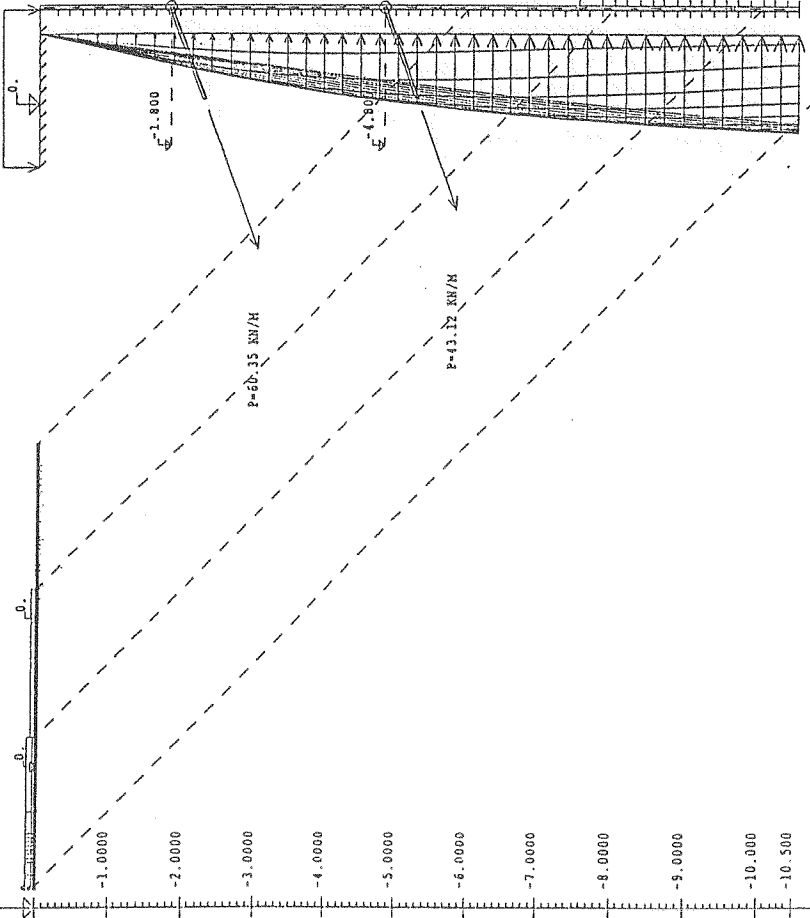
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5006 0.000
5007 1.000
5008 6.000
5009 0.000
5010 0.000
5011 0.000
5012 0.000
5013 0.000
5014 0.000
5015 1.000
5016 1.000
5017 1.500
5018 1.000
5019 1.000
5020 1.000
5021 0.000
5022 0.000
5023 0.000
5024 0.000
5025 0.000
5026 0.000
5027 0.000
5028 0.000
5029 0.000
5030 0.000



Sezioni:
1-1
2-2
3-3
4-4
5-5
6-6
7-7
8-8
9-9
10-10
11-11
12-12

* Ge.A.S. S.r.l. Milano

PARATE 6.0

12 MAGGIO 2003 13:01:02

FASE 7

PROGETTO: PARATE MICROPALE IMBOCCO - GERUSA-MILANO
 PIA: C:\Programmi\Gerusa\Milano\Imbocca\unicolo Val di Lemme\Paratia\Caso A\IM GE-MI

Force units= KN
 Length units= M

L= 1.000

V= 8.000

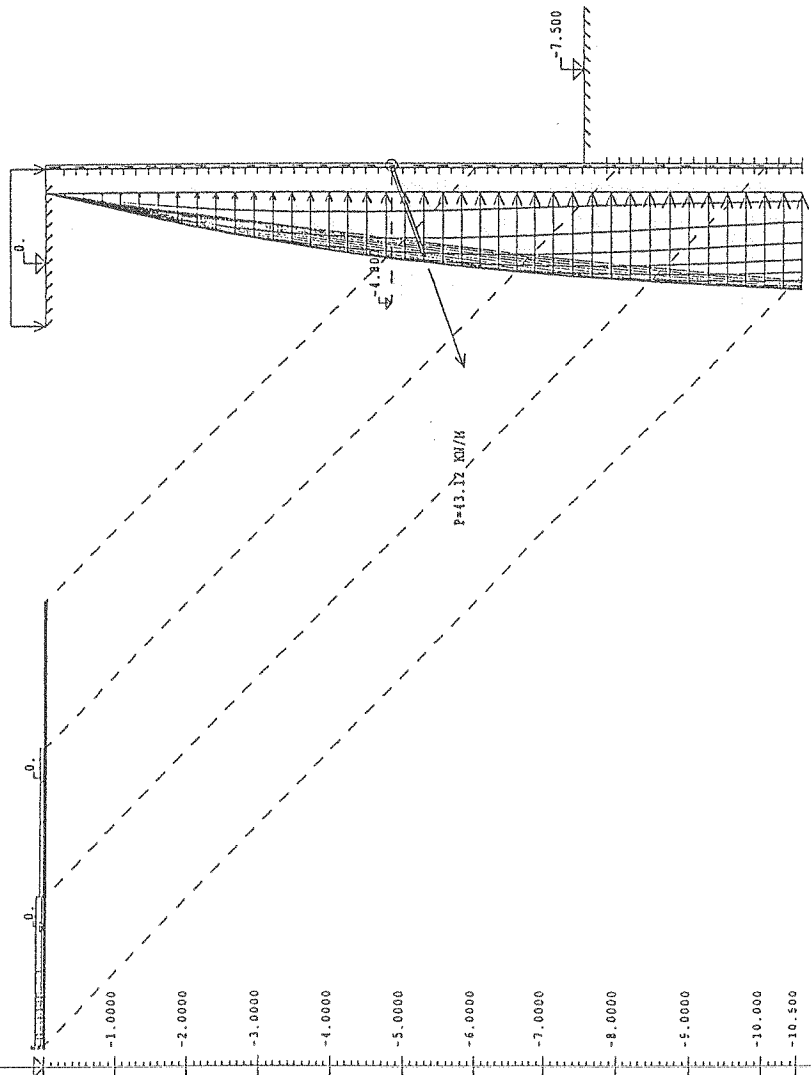
P= 84.00

Q= 0.0000

LCOR V

- 2001 0.000
- 2002 0.000
- 2003 0.000
- 2004 0.000
- 2005 0.000
- 2006 0.000
- 2007 0.000
- 2008 1.000
- 2009 0.000
- 2010 0.000
- 2011 0.000
- 2012 0.000
- 2013 0.000
- 2014 0.000
- 2015 0.000
- 2016 0.000
- 2017 1.000
- 2018 1.000
- 2019 1.000
- 2020 1.000
- 2021 1.000
- 2022 1.000
- 2023 1.000
- 2024 1.000
- 2025 1.000
- 2026 1.000
- 2027 1.000
- 2028 1.000
- 2029 1.000
- 2030 1.000
- 2031 1.000
- 2032 1.000
- 2033 1.000
- 2034 1.000
- 2035 1.000
- 2036 1.000
- 2037 1.000
- 2038 1.000
- 2039 1.000
- 2040 1.000
- 2041 1.000
- 2042 1.000
- 2043 1.000
- 2044 1.000
- 2045 1.000
- 2046 1.000
- 2047 1.000
- 2048 1.000
- 2049 1.000
- 2050 1.000

LeftWall
Y= 0.00000



- 2.500
- 3.500
- 4.500
- 5.500
- 6.500
- 7.500
- 8.500
- 9.500
- 10.500
- 11.500
- 12.500
- 13.500
- 14.500
- 15.500
- 16.500
- 17.500
- 18.500
- 19.500
- 20.500
- 21.500
- 22.500
- 23.500
- 24.500
- 25.500
- 26.500
- 27.500
- 28.500
- 29.500
- 30.500
- 31.500
- 32.500
- 33.500
- 34.500
- 35.500
- 36.500
- 37.500
- 38.500
- 39.500
- 40.500
- 41.500
- 42.500
- 43.500
- 44.500
- 45.500
- 46.500
- 47.500
- 48.500
- 49.500
- 50.500
- 51.500
- 52.500
- 53.500
- 54.500
- 55.500
- 56.500
- 57.500
- 58.500
- 59.500
- 60.500
- 61.500
- 62.500
- 63.500
- 64.500
- 65.500
- 66.500
- 67.500
- 68.500
- 69.500
- 70.500
- 71.500
- 72.500
- 73.500
- 74.500
- 75.500
- 76.500
- 77.500
- 78.500
- 79.500
- 80.500
- 81.500
- 82.500
- 83.500
- 84.500
- 85.500
- 86.500
- 87.500
- 88.500
- 89.500
- 90.500
- 91.500
- 92.500
- 93.500
- 94.500
- 95.500
- 96.500
- 97.500
- 98.500
- 99.500
- 100.500

FASE

8

PARAFIA MICROVALI INHOCO - GENOVA-MILANO
DALLO: \Ingegneria\Genova-Milano\Inboco\cunicolo Val di Lemme\Parafial\Caso A\IM_65-MT

Force units= KN
Length units= M

* Ce.A.S. S.r.l. Milano *
PARAFIA E.O
12 MAGGIO 2003 13:01:02

STATISGRAFIA

LeftWall
Y= 0.00000

L= 1.000

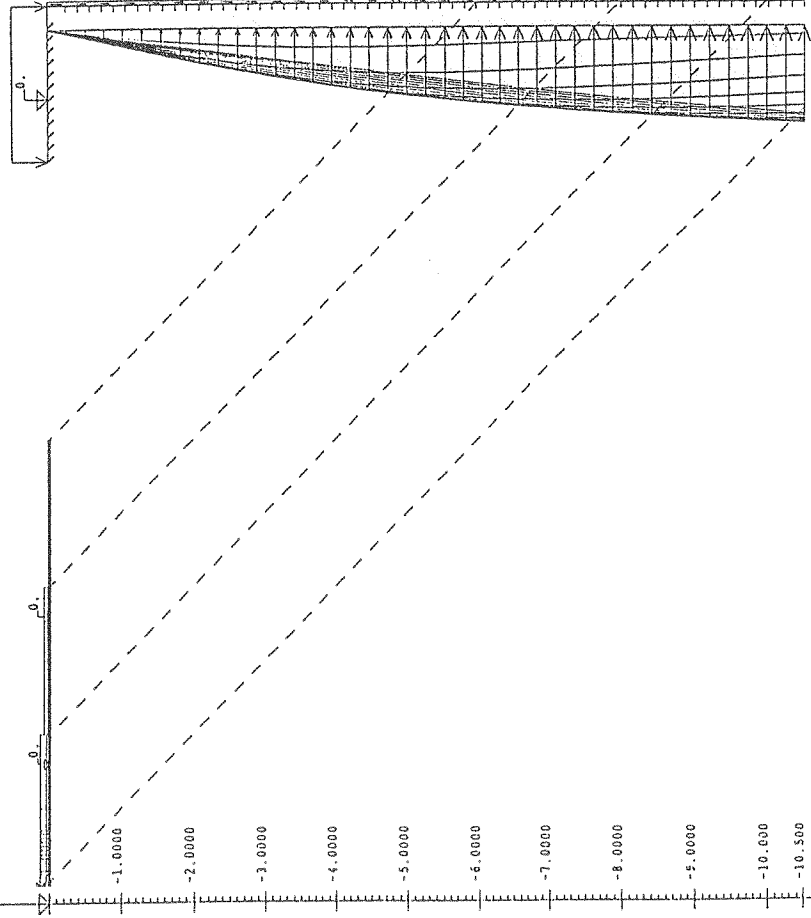
V= 4.000

D= 44.000

S= 0.00000

LCMk v

- 2001 0.000
- 2002 0.000
- 2003 0.000
- 2004 0.000
- 2005 0.000
- 2006 0.000
- 2007 0.000
- 2008 0.000
- 2009 1.000
- 2010 0.000
- 2011 0.000
- 2012 0.000
- 2013 0.000
- 2014 0.000
- 2015 0.000
- 2016 1.000
- 2017 0.000
- 2018 1.000
- 2019 1.000
- 2020 1.000
- 2021 1.000
- 2022 1.000
- 2023 1.000
- 2024 1.000
- 2025 1.000
- 2026 1.000
- 2027 1.000
- 2028 1.000
- 2029 1.000
- 2030 1.000
- 2031 1.000
- 2032 1.000
- 2033 1.000
- 2034 1.000
- 2035 1.000
- 2036 1.000
- 2037 1.000
- 2038 1.000
- 2039 1.000
- 2040 1.000
- 2041 1.000
- 2042 1.000
- 2043 1.000
- 2044 1.000
- 2045 1.000
- 2046 1.000
- 2047 1.000
- 2048 1.000
- 2049 1.000
- 2050 1.000



* Ce.A.S. S.R.L. Milano *

P A R T I E 6.0

12 MAGGIO 2003 13:01:CC

FASE 9

PALETTA MICROFALLI IRRANCO - GENOVA-MILANO
 D:\In Lavorazione\Genova-Milano\Tabocco cunicolo Val di Lemme\Paratia\Caso A1M_GE-MI

Force units= KN
 Length units= M

STRUTTURAZIONE

LeftWall
Y= 0.00000

L= 1.000

V= 8.0000

D= 80.00

S= 0.0000

LCRK V

S001 0.000

S002 0.000

S003 0.000

S004 0.000

S005 0.000

S006 0.000

S007 0.000

S008 0.000

S009 0.000

S010 1.000

S011 0.000

S012 0.000

S013 0.000

S014 0.000

S015 0.000

C001 1.000

C002 1.000

C003 1.000

C004 1.000

C005 1.000

C006 1.000

C007 1.000

C008 1.000

C009 1.000

C010 1.000

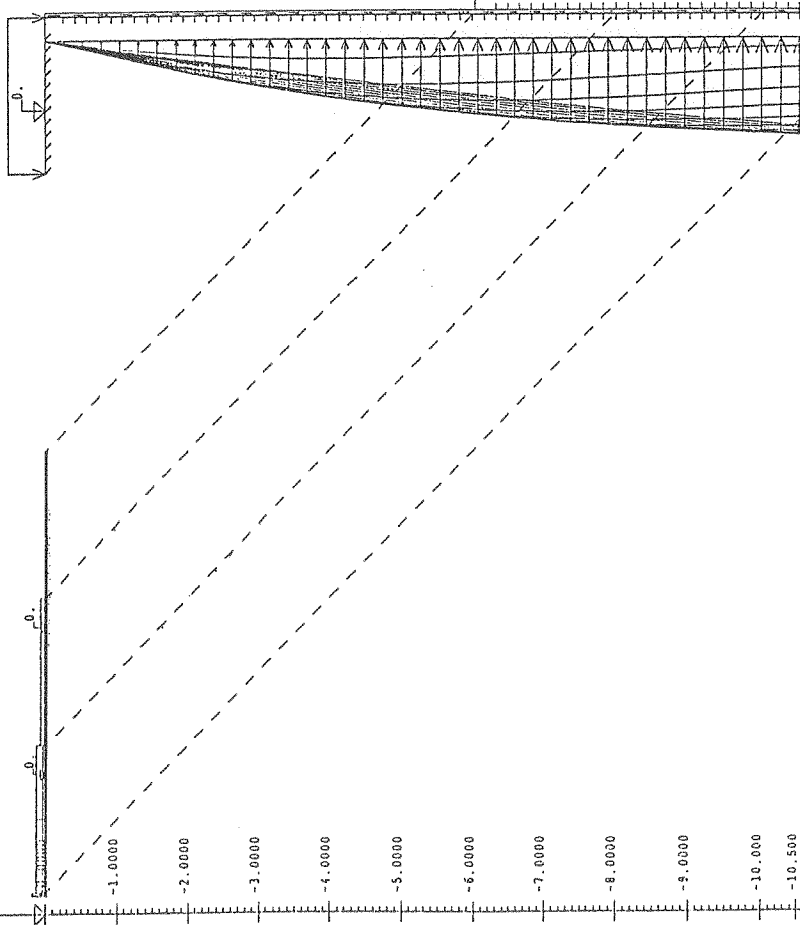
C011 0.000

C012 0.000

C013 0.000

C014 0.000

C015 0.000



Stato:

-2.500

Stato:

-3.500

Stato:

-4.500

Stato:

-5.500

Stato:

-6.500

Stato:

-7.500

* Ce.A.S. S.r.l. Milano *

P A R T I E 6.0

12 MAGGIO 2003 13:01:02

EASE 10

FILE: E:\In_Ivestigazione\Abovno-Milano\Inibudo conico\0 Val di Lemme\Paratia\Caso A\IM_GE.MI

Force units= KN
Length units= M

PARATIA MICRUPALI PROECO - GENOVA-MILANO

STRATIPIRETTA

LeftWall
Y= 0.00000

L= 1.000

V= 8.000

D= 84.00

S= 0.0000

LCOR V

S001 0.000

S002 0.000

S003 0.000

S004 0.000

S005 0.000

S006 0.000

S007 0.000

S008 0.000

S009 0.000

S010 0.000

S011 1.000

S012 0.000

S013 0.000

S014 0.000

S015 0.000

C001 1.000

C002 1.000

C003 1.000

C004 1.000

C005 1.000

C006 1.000

C007 1.000

C008 1.000

C009 1.000

C010 1.000

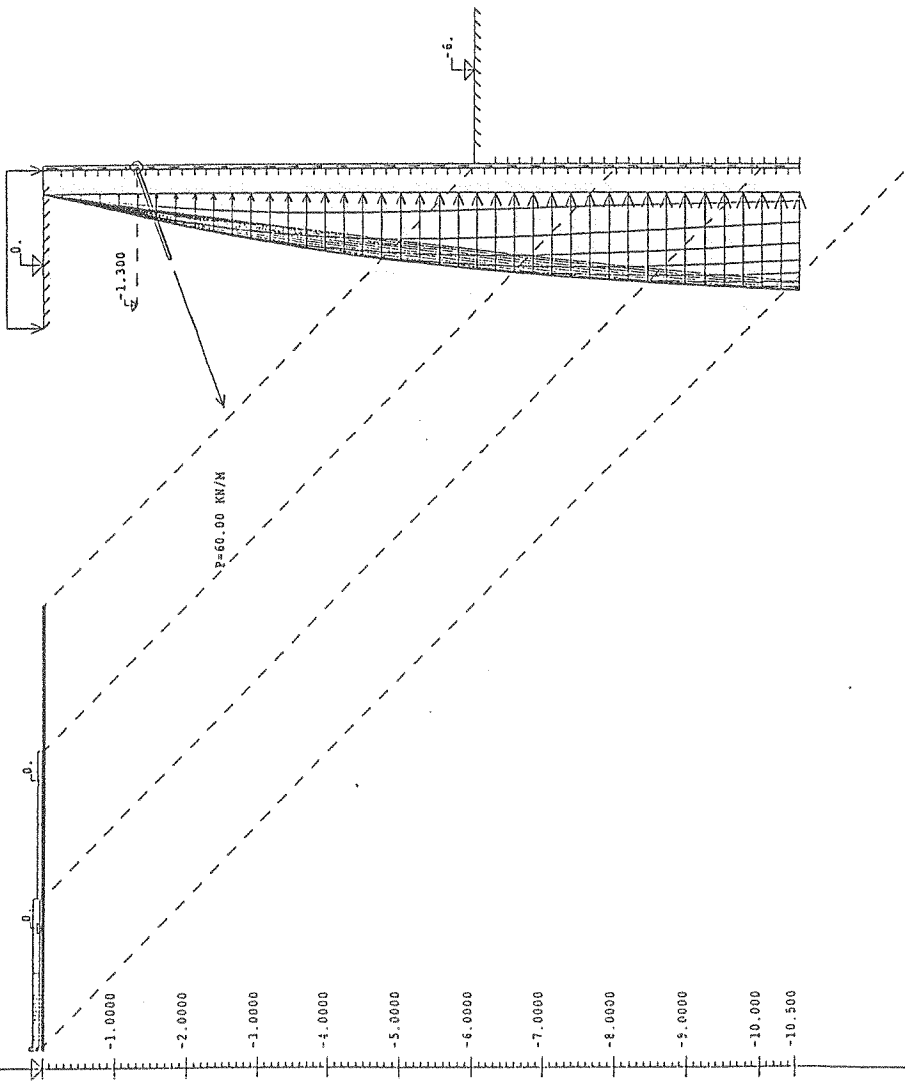
C011 1.000

C012 0.000

C013 0.000

C014 0.000

C015 0.000



* Ce.A.S. S.r.l. Milano *

P A R A T I E 6.0

12 MAGGIO 2003 13:01:22

Force units= KN
Length units= M

FASE 11

PARATIA MICHIALE PUNICO - GENOVA-MILANO

File: I:\mazzoni\Ambrogi-Milano\Imbucco\unicolo Val di Lemme\Paratia\Caso A\IM GE-MI

JOB:

STRUTTURALE

LeftWall
Y= 0.00000

L= 1.000

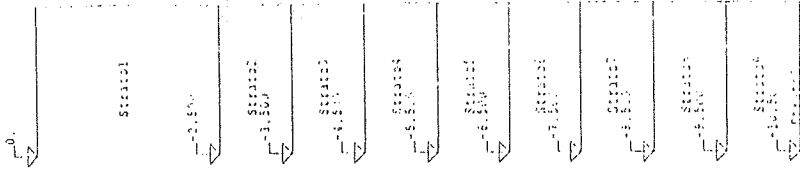
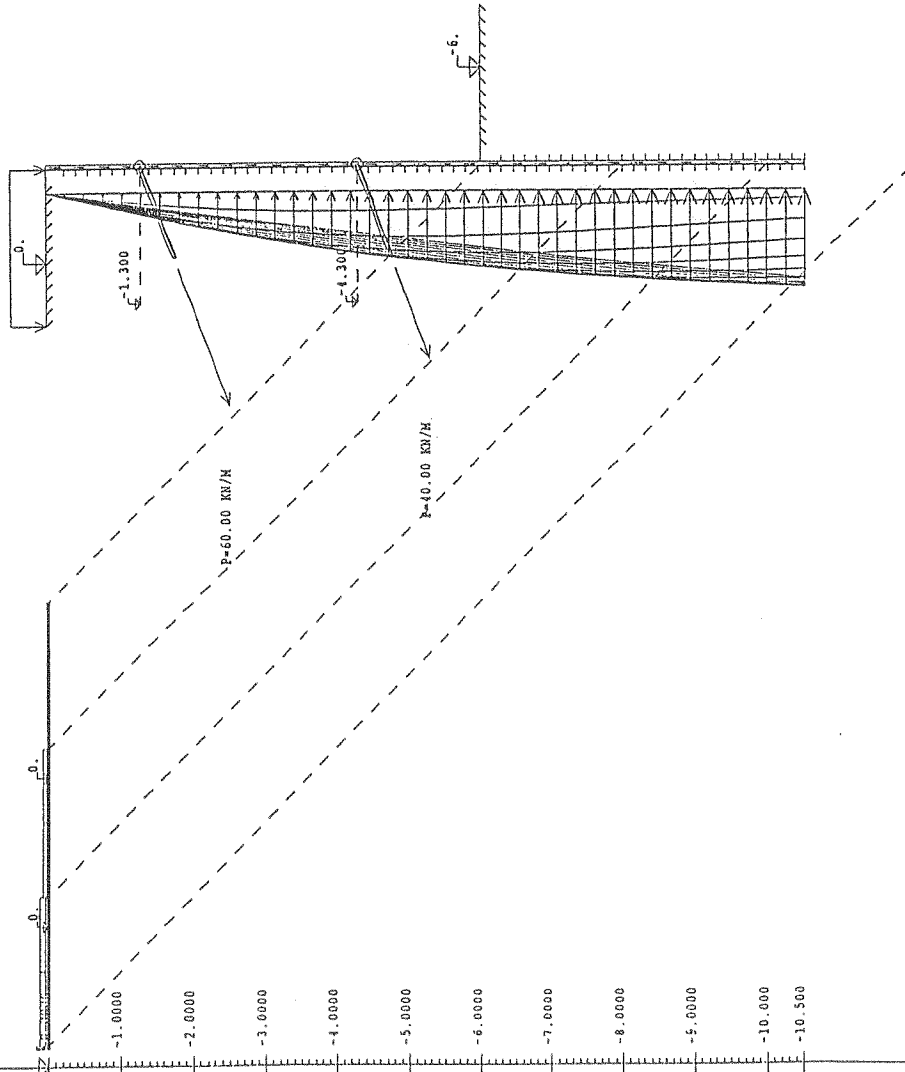
U= 8.000

P= 84.00

S= 0.0000

LCR V

- S001 0.000
- S002 0.000
- S003 0.000
- S004 0.000
- S005 0.000
- S006 0.000
- S007 0.000
- S008 0.000
- S009 0.000
- S010 0.000
- S011 0.000
- S012 1.000
- S013 0.000
- S014 0.000
- S015 0.000
- C001 1.000
- C002 1.000
- C003 1.000
- C004 1.000
- C005 1.000
- C006 1.000
- C007 1.000
- C008 1.000
- C009 1.000
- C010 1.000
- C011 1.000
- C012 1.000
- C013 0.000
- C014 0.000
- C015 0.000



LeftWall
Y= 0.00000

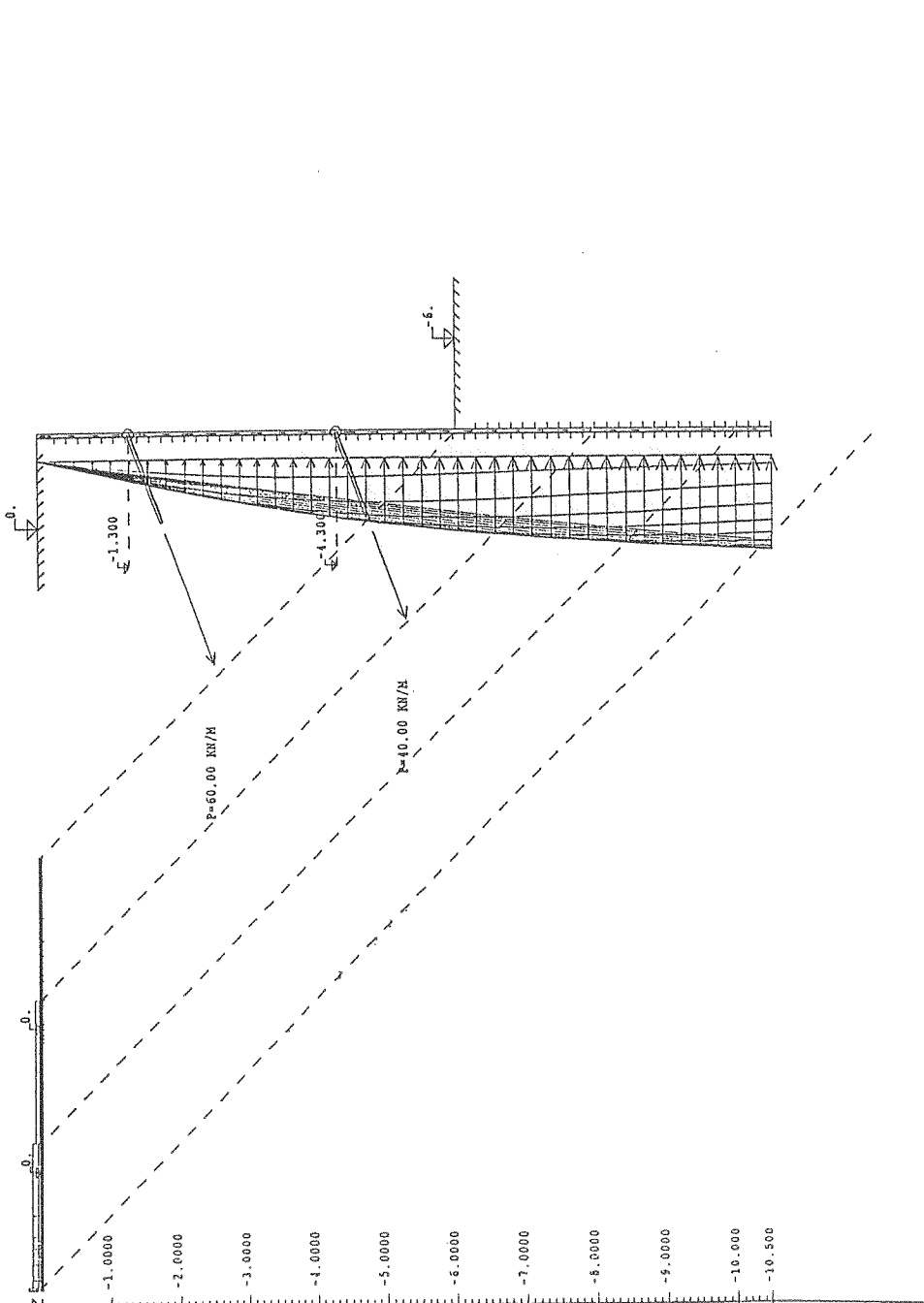
STRATI GRAFIA

1= 1.000

D= 84.00
S= 0.5000

ICUR V

- S001 0.000
- S002 0.000
- S003 0.000
- S004 0.000
- S005 0.000
- S006 0.000
- S007 0.000
- S008 0.000
- S009 0.000
- S010 0.000
- S011 0.000
- S012 0.000
- S013 1.000
- S014 0.000
- S015 0.000
- C001 1.000
- C002 1.000
- C003 1.000
- C004 1.000
- C005 1.000
- C006 1.000
- C007 1.000
- C008 1.000
- C009 1.000
- C010 1.000
- C011 1.000
- C012 1.000
- C013 1.000
- C014 0.000
- C015 0.000



- Strato1
- Strato2
- Strato3
- Strato4
- Strato5
- Strato6
- Strato7
- Strato8
- Strato9
- Strato10
- Strato11

l = 1.000

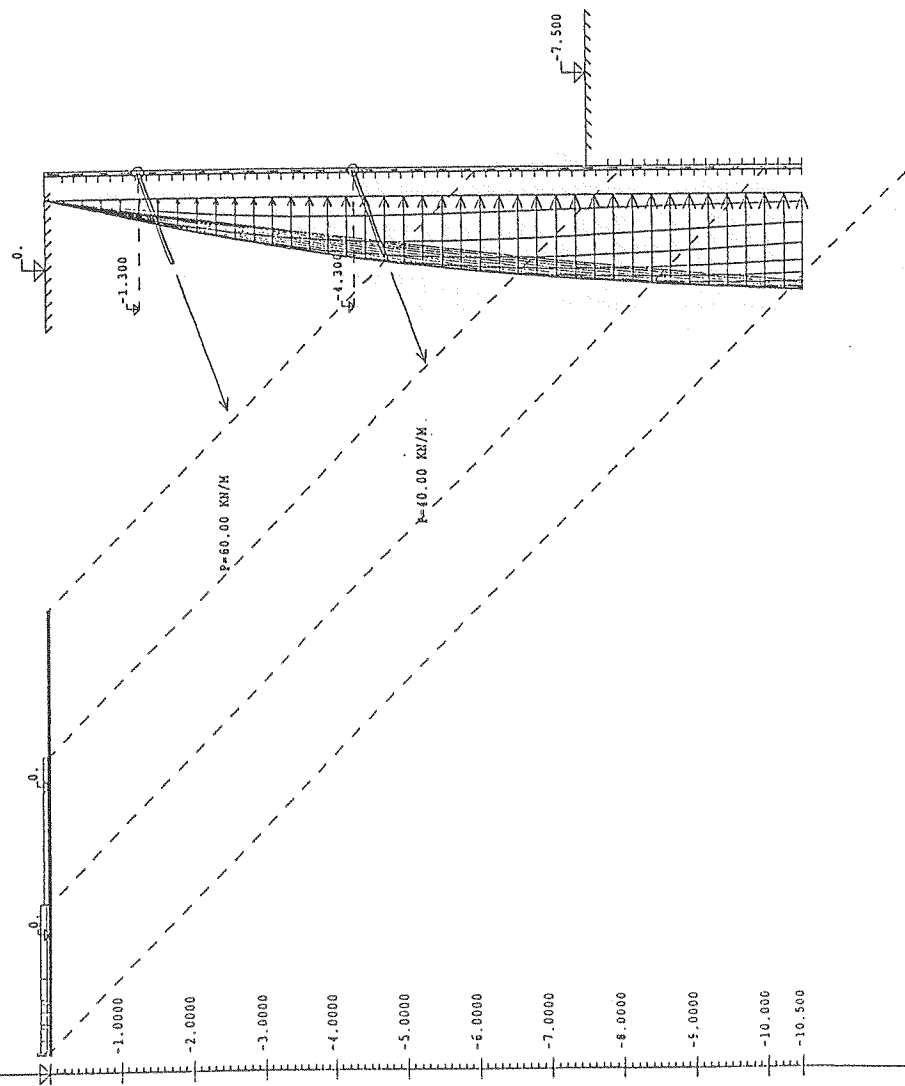
P = 64.00

S = 0.5000

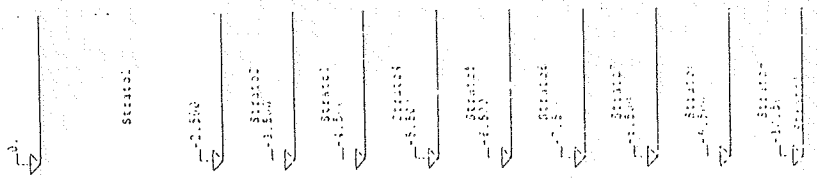
ICUR V

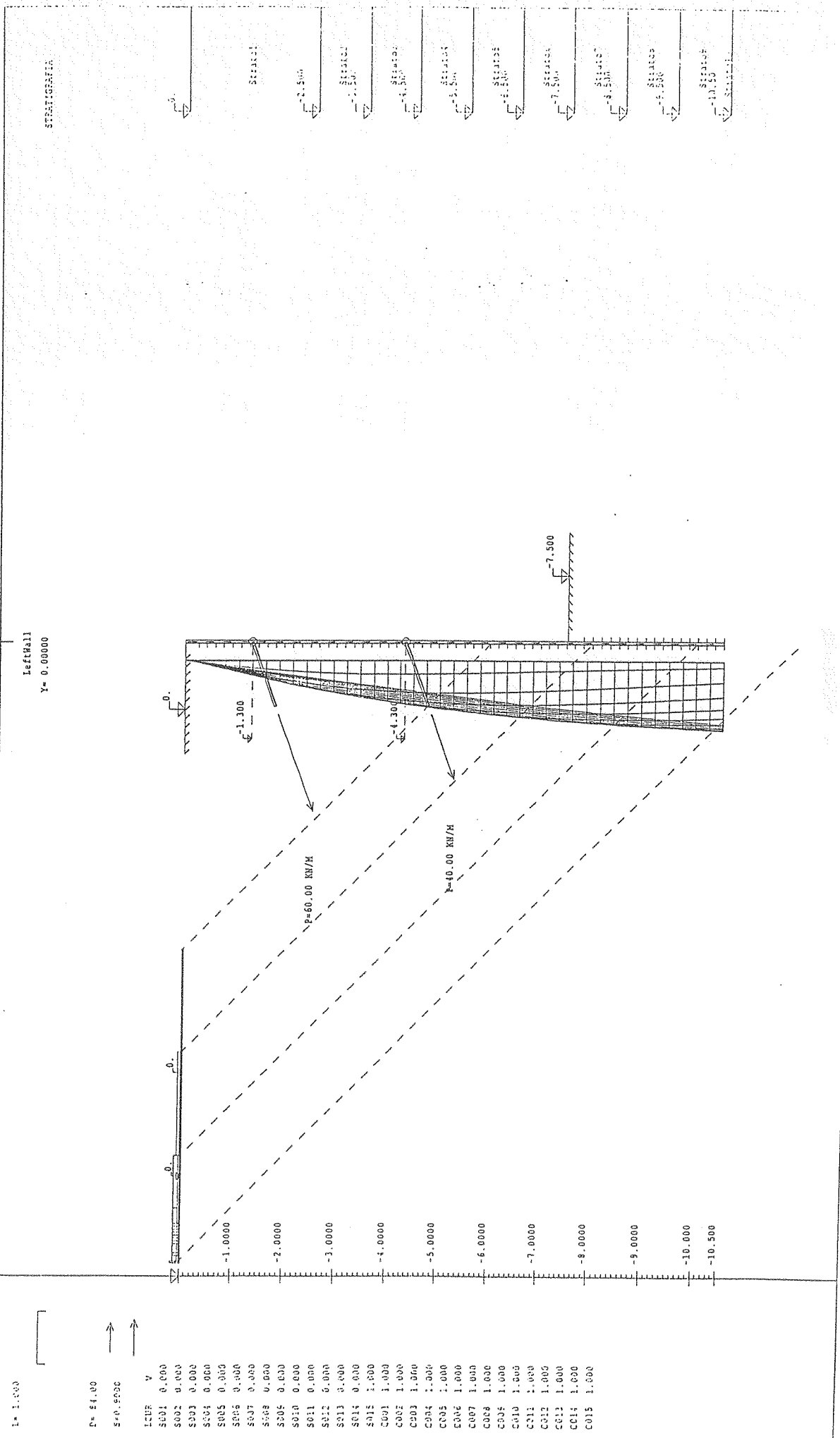
- S001 0.800
- S002 0.000
- S003 0.000
- S004 0.000
- S005 0.000
- S006 0.000
- S007 0.000
- S008 0.000
- S009 0.000
- S010 0.000
- S011 0.000
- S012 0.000
- S013 0.000
- S014 1.000
- S015 0.000
- C001 1.000
- C002 1.000
- C003 1.000
- C004 1.000
- C005 1.000
- C006 1.000
- C007 1.000
- C008 1.000
- C009 1.000
- C010 1.000
- C011 1.000
- C012 1.000
- C013 1.000
- C014 1.000
- C015 0.000

LeftWall
Y = 0.00000



STRUTTURALE



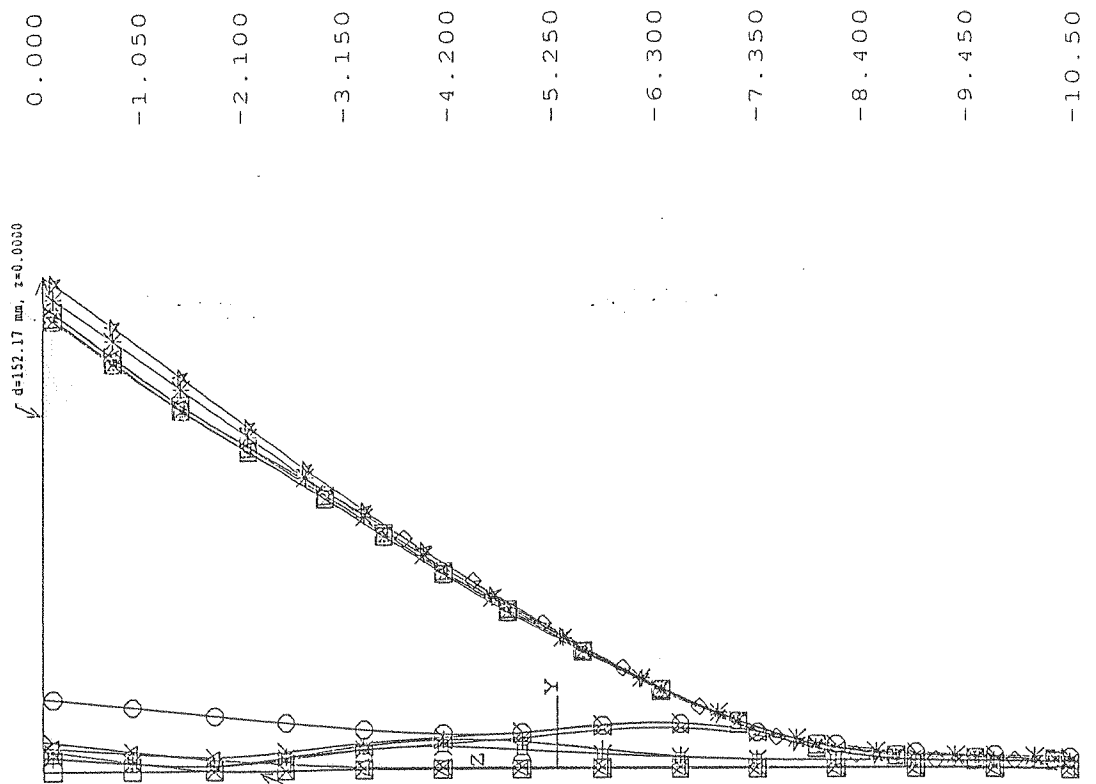


* Ce.A.S. S.r.l. Milano
PARATIE 6.0
12 MAGGIO 2003 15:01:03

FASE 15

PROGETTO: PARATIE 6.0 - GENOVA-MILANO
 DATA: 12 MAGGIO 2003
 AUTORE: Ce.A.S. S.r.l. Milano

Force units= KN
 Length units= M

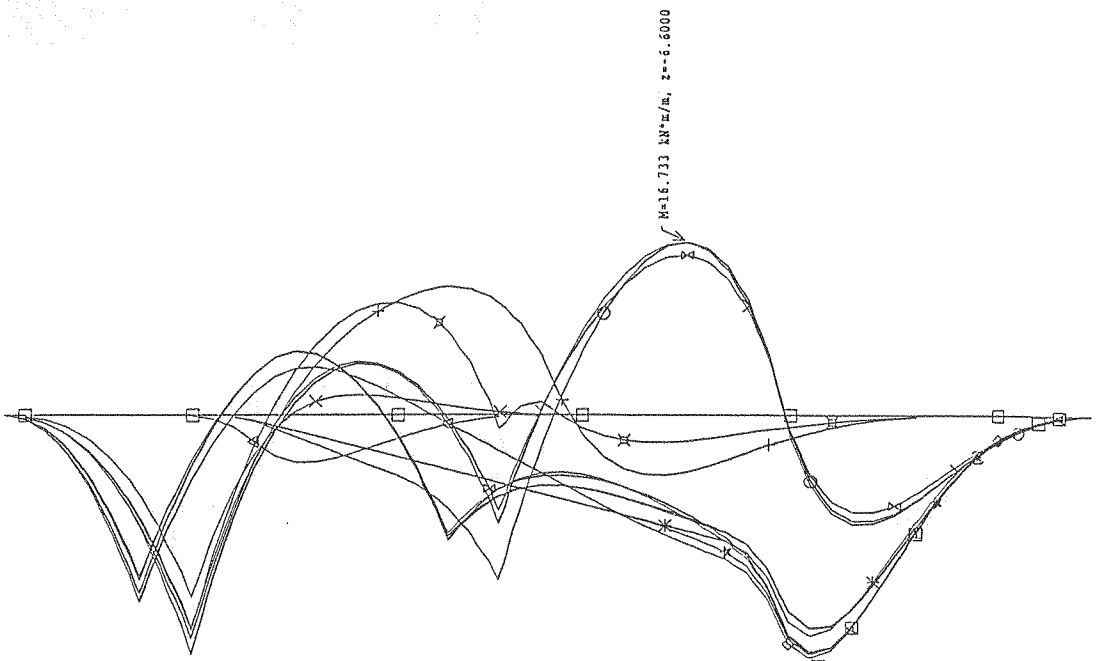


- step 15
- step 14
- E- step 13
- Z- step 12
- ◇- step 11
- *- step 10
- *- step 9
- step 8
- >- step 7
- I- step 6
- X- step 5
- +- step 4
- X- step 3
- Δ- step 2
- step 1

FATTORE SCALAG.74 - FATTORE AMPLIF 33.00
 DEFORMATA PASSI 1 / 15 [m]

* Ce.A.S. S.r.l. Milano
 P A R A T I E 6.0
 12 MAGGIO 2003 13:02:26

0.000
 -1.050
 -2.100
 -3.150
 -4.200
 -5.250
 -6.300
 -7.350
 -8.400
 -9.450
 -10.50

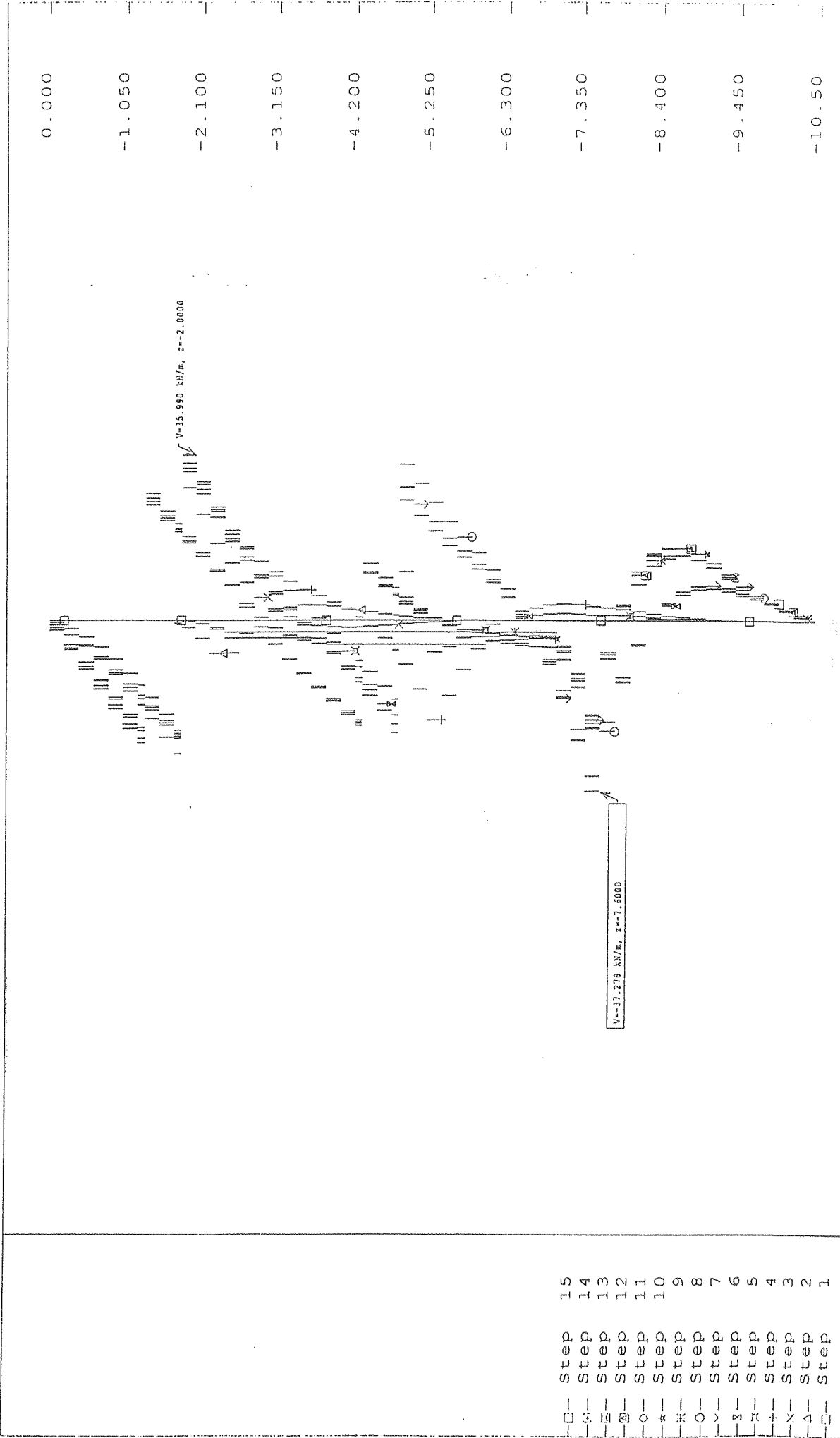


- Step 15
- Step 14
- △ Step 13
- ◇ Step 12
- × Step 11
- ⋈ Step 10
- Step 9
- > Step 8
- ∩ Step 7
- ∪ Step 6
- ∩ Step 5
- ∪ Step 4
- × Step 3
- △ Step 2
- Step 1

MOMENTI FLETTENTI [kN*m/m]
 INVILUPPO DA 1 A 15 SCALA GEOM.0.70

24.000 STRESS
 UNITS

* Ce.A.S. S.r.l. Milano *
 P A R A T I E 6.0
 12 MAGGIO 2003 13:02:14



□ Step 15
 ○ Step 14
 □ Step 13
 □ Step 12
 ○ Step 11
 * Step 10
 * Step 9
 ○ Step 8
 > Step 7
 > Step 6
 > Step 5
 + Step 4
 - Step 3
 - Step 2
 □ Step 1

TAGLI [kN/m]
 INVILUPPO DA 1 A 15 SCALA GEOM.0.70

37.000 STRESS
 UNITS

* Ce.A.S. S.r.l. Milano *
 P A R T I E 6.0
 12 MAGGIO 2003 13:02:15

ALLEGATO 4

**Calcolo paratie: caso di nessuna perdita di funzionalità da
parte dei tiranti realizzati**

PARATIE 6.0
12 MAGGIO 2003
PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

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

PAG. 1

```
*****  
**  
**          P A R A T I E          **  
**  
**          RELEASE 6.0    VERSIONE WIN    **  
**  
** Ce.A.S. s.r.l. - Viale Giustiniano, 10 **  
**                   20129 MILANO         **  
**  
*****
```

JOBNAME D:\In lavorazione\Genova-Milano\Imbocco cunicolo Val di Lemme\Parat

12 MAGGIO 2003 12:19:47

12 MAGGIO 2003 12:19:47

PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

ELENCO DEI DATI DI INPUT(PARAGEN)

Per il significato dei vari comandi
si faccia riferimento al manuale di
input PARAGEN, versione 6.0 .

N. comando

```
1: * Paratie for Windows version 6.0
2: * Filename= <d:\in lavorazione\genova-milano\imbocco cunicolo val di
  lemme\parat
3: * project with "run time" parameters
4: * Force=kN Lenght=m
5: *
6: units m kN
7: title PARATIA MICROPALI IMBOCCO - GENOVA-MILANO
8: delta 0.2
9: option param itemax 40
10: option noprint echo
11: option noprint displ
12: option noprint react
13: option noprint stresses
14: wall LeftWall 0 -10.5 0
15: *
16: soil UHLeft LeftWall -10.5 0 1 0
17: soil DHLeft LeftWall -10.5 0 2 180
18: *
19: init LeftWall found boussineq 6 2 0 5.81 45
20: init LeftWall found boussineq 8 2 0 17.43 45
21: init LeftWall found boussineq 10 2 0 29.04 45
22: init LeftWall found boussineq 12 2 0 40.66 45
23: init LeftWall found boussineq 14 2 0 52.28 45
24: init LeftWall found boussineq 16 2 0 63.9 45
25: init LeftWall found boussineq 18 2 0 75.52 45
26: init LeftWall found boussineq 20 2 0 87.13 45
27: init LeftWall found boussineq 22 2 0 98.75 45
28: init LeftWall found boussineq 24 2 0 110.37 45
29: init LeftWall found boussineq 26 2 0 121.99 45
30: init LeftWall found boussineq 28 2 0 133.6 45
31: init LeftWall found boussineq 30 2 0 145.22 45
32: init LeftWall found boussineq 32 2 0 156.84 45
33: init LeftWall found boussineq 34 2 0 168.46 45
34: *
35: material Acciaio 2.0594E+008
36: material Tiranti 2.101E+008
37: *
38: beam Paratia LeftWall -10.5 0 Acciaio 0.0564622
```


N. comando

```
39: *
40: wire PrimOrd LeftWall -1.8 Tiranti 1.5E-005 60.35 20
41: wire SecOrd LeftWall -4.8 Tiranti 1.5E-005 43.12 20
42: wire PrimOrd_2 LeftWall -1.3 Tiranti 1.53333E-005 60 20
43: wire SecOrd_2 LeftWall -4.3 Tiranti 1.84E-005 40 20
44: *
45: * Soil Profile
46: *
47:   ldata          Strato1 0
48:     weight        19 9 10
49:     atrest         0.54601 0.5 1
50:     resistance     15 27 0.347 1.656
51:     young          10000 10000
52:   endlayer
53:   ldata          Strato2 -2.5
54:     weight        23 13 10
55:     atrest         0.625393 0.5 1
56:     resistance     75 22 0.423 1.3005
57:     young          25000 25000
58:   endlayer
59:   ldata          Strato3 -3.5
60:     weight        23 13 10
61:     atrest         0.625393 0.5 1
62:     resistance     75 22 0.423 1.3005
63:     young          26500 26500
64:   endlayer
65:   ldata          Strato4 -4.5
66:     weight        23 13 10
67:     atrest         0.625393 0.5 1
68:     resistance     75 22 0.423 1.3005
69:     young          28000 28000
70:   endlayer
71:   ldata          Strato5 -5.5
72:     weight        23 13 10
73:     atrest         0.625393 0.5 1
74:     resistance     75 22 0.423 1.3005
75:     young          29500 29500
76:   endlayer
77:   ldata          Strato6 -6.5
78:     weight        23 13 10
79:     atrest         0.625393 0.5 1
80:     resistance     75 22 0.423 1.3005
81:     young          31000 31000
82:   endlayer
83:   ldata          Strato7 -7.5
84:     weight        23 13 10
```

PARATIE 6.0 Ce.A.S. s.r.l. - Milano
12 MAGGIO 2003 12:19:47
PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

PAG. 4

N. comando

```
85:      atrest      0.625393 0.5 1
86:      resistance  75 22 0.423 1.3005
87:      young       32500 32500
88:      endlayer
89:      ldata        Strato8 -8.5
90:      weight       23 13 10
91:      atrest      0.625393 0.5 1
92:      resistance  75 22 0.423 1.3005
93:      young       34000 34000
94:      endlayer
95:      ldata        Strato9 -9.5
96:      weight       23 13 10
97:      atrest      0.625393 0.5 1
98:      resistance  75 22 0.423 1.3005
99:      young       35500 35500
100:     endlayer
101:     ldata        Strato10 -10.5
102:     weight       23 13 10
103:     atrest      0.625393 0.5 1
104:     resistance  75 22 0.423 1.3005
105:     young       37000 37000
106:     endlayer
107:     ldata        Stratol1 -11.5
108:     weight       23 13 10
109:     atrest      0.625393 0.5 1
110:     resistance  75 22 0.423 1.3005
111:     young       38500 38500
112:     endlayer
113: *
114: step 1 : Geostatica
115:     setwall LeftWall
116:     geom 0 0
117:     add Paratia
118: endstep
119: *
120: step 2 : Scavo fino a quota -2.3 m
121:     setwall LeftWall
122:     geom 0 -2.3
123: endstep
124: *
125: step 3 : Primo ordine di tiranti
126:     setwall LeftWall
127:     add PrimOrd
128: endstep
129: *
130: step 4 : Scavo fino a quota -5.3 m
```

PARATIE 6.0 Ce.A.S. s.r.l. - Milano
12 MAGGIO 2003 12:19:47
PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

PAG. 5

```
N. comando

131: setwall LeftWall
132: geom 0 -5.3
133: endstep
134: *
135: step 5 : Secondo ordine di tiranti
136: setwall LeftWall
137: add SecOrd
138: endstep
139: *
140: step 6 : Scavo fino a quota -7.50 m
141: setwall LeftWall
142: geom 0 -7.5
143: endstep
144: *
145: step 7 : Accidentali laterali
146: setwall LeftWall
147: surcharge 20 0 0 0
148: endstep
149: *
150: step 8 : Introduzione del terreno di riporto a valle
151: setwall LeftWall
152: geom 0 -6
153: endstep
154: *
155: step 9 : Introduzione tiranti a livello di quelli del primo ordine
156: setwall LeftWall
157: add PrimOrd_2
158: endstep
159: *
160: step 10 : Introduzione tiranti a livello di quelli del secondo ordine
161: setwall LeftWall
162: add SecOrd_2
163: endstep
164: *
165: step 11 : Rimozione accidentali laterali
166: setwall LeftWall
167: surcharge 0 0 0 0
168: endstep
169: *
170: step 12 : Rimozione terreno di riporto
171: setwall LeftWall
172: geom 0 -7.5
173: endstep
174: *
175: step 13 : Sisma
176: dload constant LeftWall -10.5 0 0 2.2
```

PARATIE 6.0

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

N. comando

177: setwall LeftWall

178: endstep

179: *

180: *

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

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PAG. 7

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 1

LAYER Stratol			
natura 1=granulare, 2=argilla	= 1.0000		
quota superiore	= 0.0000	m	
quota inferiore	= -2.5000	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	= 15.000	kPa	(A MONTE)
angolo di attrito	= 27.000	DEG	(A MONTE)
coeff. spinta attiva ka	= 0.34700		(A MONTE)
coeff. spinta passiva kp	= 1.6560		(A MONTE)
Konc normal consolidato	= 0.54601		
esponente di OCR	= 0.50000		
OCR: grado di sovraconsolidazione	= 1.0000		
modello di rigidezza	= 1.0000		
modulo el. compr. vergine	= 10000.	kPa	
modulo el. scarico/ricarico	= 10000.	kPa	
natura 1=granulare, 2=argilla	= 1.0000		(A VALLE)
coesione	= 15.000	kPa	(A VALLE)
angolo di attrito	= 27.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.34700		(A VALLE)
coeff. spinta passiva kp	= 1.6560		(A VALLE)
LAYER Strato2			
natura 1=granulare, 2=argilla	= 1.0000		
quota superiore	= -2.5000	m	
quota inferiore	= -3.5000	m	
peso fuori falda	= 23.000	kN/m ³	
peso efficace in falda	= 13.000	kN/m ³	
peso dell'acqua	= 10.000	kN/m ³	
coesione	= 75.000	kPa	(A MONTE)
angolo di attrito	= 22.000	DEG	(A MONTE)
coeff. spinta attiva ka	= 0.42300		(A MONTE)
coeff. spinta passiva kp	= 1.3005		(A MONTE)
Konc normal consolidato	= 0.62539		
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	= 25000.	kPa	
natura 1=granulare, 2=argilla	= 1.0000		(A VALLE)
coesione	= 75.000	kPa	(A VALLE)

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 1

angolo di attrito	= 22.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.42300		(A VALLE)
coeff. spinta passiva kp	= 1.3005		(A VALLE)
LAYER Strato3			
natura 1=granulare, 2=argilla	= 1.0000		
quota superiore	= -3.5000	m	
quota inferiore	= -4.5000	m	
peso fuori falda	= 23.000	kN/m ³	
peso efficace in falda	= 13.000	kN/m ³	
peso dell'acqua	= 10.000	kN/m ³	
coesione	= 75.000	kPa	(A MONTE)
angolo di attrito	= 22.000	DEG	(A MONTE)
coeff. spinta attiva ka	= 0.42300		(A MONTE)
coeff. spinta passiva kp	= 1.3005		(A MONTE)
Konc normal consolidato	= 0.62539		
esponente di OCR	= 0.50000		
OCR: grado di sovraconsolidazione	= 1.0000		
modello di rigidezza	= 1.0000		
modulo el. compr. vergine	= 26500.	kPa	
modulo el. scarico/ricarico	= 26500.	kPa	
natura 1=granulare, 2=argilla	= 1.0000		(A VALLE)
coesione	= 75.000	kPa	(A VALLE)
angolo di attrito	= 22.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.42300		(A VALLE)
coeff. spinta passiva kp	= 1.3005		(A VALLE)
LAYER Strato4			
natura 1=granulare, 2=argilla	= 1.0000		
quota superiore	= -4.5000	m	
quota inferiore	= -5.5000	m	
peso fuori falda	= 23.000	kN/m ³	
peso efficace in falda	= 13.000	kN/m ³	
peso dell'acqua	= 10.000	kN/m ³	
coesione	= 75.000	kPa	(A MONTE)
angolo di attrito	= 22.000	DEG	(A MONTE)
coeff. spinta attiva ka	= 0.42300		(A MONTE)
coeff. spinta passiva kp	= 1.3005		(A MONTE)
Konc normal consolidato	= 0.62539		
esponente di OCR	= 0.50000		
OCR: grado di sovraconsolidazione	= 1.0000		
modello di rigidezza	= 1.0000		
modulo el. compr. vergine	= 28000.	kPa	
modulo el. scarico/ricarico	= 28000.	kPa	
natura 1=granulare, 2=argilla	= 1.0000		(A VALLE)
coesione	= 75.000	kPa	(A VALLE)

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 1

angolo di attrito	= 22.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.42300		(A VALLE)
coeff. spinta passiva kp	= 1.3005		(A VALLE)
LAYER Strato5			
natura 1=granulare, 2=argilla	= 1.0000		
quota superiore	= -5.5000	m	
quota inferiore	= -6.5000	m	
peso fuori falda	= 23.000	kN/m ³	
peso efficace in falda	= 13.000	kN/m ³	
peso dell'acqua	= 10.000	kN/m ³	
coesione	= 75.000	kPa	(A MONTE)
angolo di attrito	= 22.000	DEG	(A MONTE)
coeff. spinta attiva ka	= 0.42300		(A MONTE)
coeff. spinta passiva kp	= 1.3005		(A MONTE)
Konc normal consolidato	= 0.62539		
esponente di OCR	= 0.50000		
OCR: grado di sovraconsolidazione	= 1.0000		
modello di rigidezza	= 1.0000		
modulo el. compr. vergine	= 29500.	kPa	
modulo el. scarico/ricarico	= 29500.	kPa	
natura 1=granulare, 2=argilla	= 1.0000		(A VALLE)
coesione	= 75.000	kPa	(A VALLE)
angolo di attrito	= 22.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.42300		(A VALLE)
coeff. spinta passiva kp	= 1.3005		(A VALLE)
LAYER Strato6			
natura 1=granulare, 2=argilla	= 1.0000		
quota superiore	= -6.5000	m	
quota inferiore	= -7.5000	m	
peso fuori falda	= 23.000	kN/m ³	
peso efficace in falda	= 13.000	kN/m ³	
peso dell'acqua	= 10.000	kN/m ³	
coesione	= 75.000	kPa	(A MONTE)
angolo di attrito	= 22.000	DEG	(A MONTE)
coeff. spinta attiva ka	= 0.42300		(A MONTE)
coeff. spinta passiva kp	= 1.3005		(A MONTE)
Konc normal consolidato	= 0.62539		
esponente di OCR	= 0.50000		
OCR: grado di sovraconsolidazione	= 1.0000		
modello di rigidezza	= 1.0000		
modulo el. compr. vergine	= 31000.	kPa	
modulo el. scarico/ricarico	= 31000.	kPa	
natura 1=granulare, 2=argilla	= 1.0000		(A VALLE)
coesione	= 75.000	kPa	(A VALLE)

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 1

angolo di attrito	= 22.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.42300		(A VALLE)
coeff. spinta passiva kp	= 1.3005		(A VALLE)
LAYER Strato7			
natura 1=granulare, 2=argilla	= 1.0000		
quota superiore	= -7.5000	m	
quota inferiore	= -8.5000	m	
peso fuori falda	= 23.000	kN/m ³	
peso efficace in falda	= 13.000	kN/m ³	
peso dell'acqua	= 10.000	kN/m ³	
coesione	= 75.000	kPa	(A MONTE)
angolo di attrito	= 22.000	DEG	(A MONTE)
coeff. spinta attiva ka	= 0.42300		(A MONTE)
coeff. spinta passiva kp	= 1.3005		(A MONTE)
Konc normal consolidato	= 0.62539		
esponente di OCR	= 0.50000		
OCR: grado di sovraconsolidazione	= 1.0000		
modello di rigidezza	= 1.0000		
modulo el. compr. vergine	= 32500.	kPa	
modulo el. scarico/ricarico	= 32500.	kPa	
natura 1=granulare, 2=argilla	= 1.0000		(A VALLE)
coesione	= 75.000	kPa	(A VALLE)
angolo di attrito	= 22.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.42300		(A VALLE)
coeff. spinta passiva kp	= 1.3005		(A VALLE)
LAYER Strato8			
natura 1=granulare, 2=argilla	= 1.0000		
quota superiore	= -8.5000	m	
quota inferiore	= -9.5000	m	
peso fuori falda	= 23.000	kN/m ³	
peso efficace in falda	= 13.000	kN/m ³	
peso dell'acqua	= 10.000	kN/m ³	
coesione	= 75.000	kPa	(A MONTE)
angolo di attrito	= 22.000	DEG	(A MONTE)
coeff. spinta attiva ka	= 0.42300		(A MONTE)
coeff. spinta passiva kp	= 1.3005		(A MONTE)
Konc normal consolidato	= 0.62539		
esponente di OCR	= 0.50000		
OCR: grado di sovraconsolidazione	= 1.0000		
modello di rigidezza	= 1.0000		
modulo el. compr. vergine	= 34000.	kPa	
modulo el. scarico/ricarico	= 34000.	kPa	
natura 1=granulare, 2=argilla	= 1.0000		(A VALLE)
coesione	= 75.000	kPa	(A VALLE)

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 1

angolo di attrito	= 22.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.42300		(A VALLE)
coeff. spinta passiva kp	= 1.3005		(A VALLE)
LAYER Strato9			
natura 1=granulare, 2=argilla	= 1.0000		
quota superiore	= -9.5000	m	
quota inferiore	= -10.500	m	
peso fuori falda	= 23.000	kN/m ³	
peso efficace in falda	= 13.000	kN/m ³	
peso dell'acqua	= 10.000	kN/m ³	
coesione	= 75.000	kPa	(A MONTE)
angolo di attrito	= 22.000	DEG	(A MONTE)
coeff. spinta attiva ka	= 0.42300		(A MONTE)
coeff. spinta passiva kp	= 1.3005		(A MONTE)
Konc normal consolidato	= 0.62539		
esponente di OCR	= 0.50000		
OCR: grado di sovraconsolidazione	= 1.0000		
modello di rigidezza	= 1.0000		
modulo el. compr. vergine	= 35500.	kPa	
modulo el. scarico/ricarico	= 35500.	kPa	
natura 1=granulare, 2=argilla	= 1.0000		(A VALLE)
coesione	= 75.000	kPa	(A VALLE)
angolo di attrito	= 22.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.42300		(A VALLE)
coeff. spinta passiva kp	= 1.3005		(A VALLE)
LAYER Stratol0			
natura 1=granulare, 2=argilla	= 1.0000		
quota superiore	= -10.500	m	
quota inferiore	= -11.500	m	
peso fuori falda	= 23.000	kN/m ³	
peso efficace in falda	= 13.000	kN/m ³	
peso dell'acqua	= 10.000	kN/m ³	
coesione	= 75.000	kPa	(A MONTE)
angolo di attrito	= 22.000	DEG	(A MONTE)
coeff. spinta attiva ka	= 0.42300		(A MONTE)
coeff. spinta passiva kp	= 1.3005		(A MONTE)
Konc normal consolidato	= 0.62539		
esponente di OCR	= 0.50000		
OCR: grado di sovraconsolidazione	= 1.0000		
modello di rigidezza	= 1.0000		
modulo el. compr. vergine	= 37000.	kPa	
modulo el. scarico/ricarico	= 37000.	kPa	
natura 1=granulare, 2=argilla	= 1.0000		(A VALLE)
coesione	= 75.000	kPa	(A VALLE)

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 1

angolo di attrito	= 22.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.42300		(A VALLE)
coeff. spinta passiva kp	= 1.3005		(A VALLE)
LAYER Stratoli			
natura 1=granulare, 2=argilla	= 1.0000		
quota superiore	= -11.500	m	
quota inferiore	= -0.10000E+31	m	
peso fuori falda	= 23.000	kN/m ³	
peso efficace in falda	= 13.000	kN/m ³	
peso dell'acqua	= 10.000	kN/m ³	
coesione	= 75.000	kPa	(A MONTE)
angolo di attrito	= 22.000	DEG	(A MONTE)
coeff. spinta attiva ka	= 0.42300		(A MONTE)
coeff. spinta passiva kp	= 1.3005		(A MONTE)
Konc normal consolidato	= 0.62539		
esponente di OCR	= 0.50000		
OCR: grado di sovraconsolidazione	= 1.0000		
modello di rigidezza	= 1.0000		
modulo el. compr. vergine	= 38500.	kPa	
modulo el. scarico/ricarico	= 38500.	kPa	
natura 1=granulare, 2=argilla	= 1.0000		(A VALLE)
coesione	= 75.000	kPa	(A VALLE)
angolo di attrito	= 22.000	DEG	(A VALLE)
coeff. spinta attiva ka	= 0.42300		(A VALLE)
coeff. spinta passiva kp	= 1.3005		(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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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

(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 PARAMETRI GEOTECNICI PER LA FASE 10

(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 11

(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 12

(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

RIASSUNTO PARAMETRI GEOTECNICI PER LA FASE 13

(SOLO I PARAMETRI CHE POSSONO VARIARE)

NESSUN CAMBIAMENTO RISPETTO AL PASSO PRECEDENTE

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

RIASSUNTO DATI RELATIVI ALLA FASE 1

WALL LeftWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	0.0000	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	=	-10.500	m
indicatore comportamento acqua	=	0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	=	0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 2

WALL LeftWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-2.3000	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	=	-10.500	m
indicatore comportamento acqua	=	0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	=	0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 3

WALL LeftWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-2.3000	m
quota della falda	=	-0.99900E+30	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	= 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	= -10.500	m
indicatore comportamento acqua	= 0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	= 0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 4

WALL LeftWall

coordinata y	= 0.0000	m
quota piano campagna	= 0.0000	m
quota del fondo scavo	= -5.3000	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	= -10.500	m
indicatore comportamento acqua	= 0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	= 0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 5

WALL LeftWall

coordinata y	= 0.0000	m
quota piano campagna	= 0.0000	m
quota del fondo scavo	= -5.3000	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	= -10.500	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 LeftWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-7.5000	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	=	-10.500	m
indicatore comportamento acqua	=	0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	=	0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 7

WALL LeftWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-7.5000	m
quota della falda	=	-0.99900E+30	m
sovraccarico a monte	=	20.000	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	=	0.0000	m
quota di taglio	=	0.0000	m
quota di equil. pressioni dell'acqua	=	-10.500	m
indicatore comportamento acqua	=	0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	=	0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 8

WALL LeftWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-6.0000	m
quota della falda	=	-0.99900E+30	m
sovraccarico a monte	=	20.000	kPa
quota del sovraccarico a monte	=	0.0000	m
depressione falda a valle	=	0.0000	m
sovraccarico a valle	=	0.0000	kPa

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	= -10.500	m
indicatore comportamento acqua	= 0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	= 0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 9

WALL LeftWall

coordinata y	= 0.0000	m
quota piano campagna	= 0.0000	m
quota del fondo scavo	= -6.0000	m
quota della falda	= -0.99900E+30	m
sovraccarico a monte	= 20.000	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	= 0.0000	m
quota di taglio	= 0.0000	m
quota di equil. pressioni dell'acqua	= -10.500	m
indicatore comportamento acqua	= 0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	= 0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 10

WALL LeftWall

coordinata y	= 0.0000	m
quota piano campagna	= 0.0000	m
quota del fondo scavo	= -6.0000	m
quota della falda	= -0.99900E+30	m
sovraccarico a monte	= 20.000	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	= 0.0000	m
quota di taglio	= 0.0000	m
quota di equil. pressioni dell'acqua	= -10.500	m
indicatore comportamento acqua	= 0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	= 0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 11

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

RIASSUNTO DATI RELATIVI ALLA FASE 11

WALL LeftWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-6.0000	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	=	0.0000	m
quota di taglio	=	0.0000	m
quota di equil. pressioni dell'acqua	=	-10.500	m
indicatore comportamento acqua	=	0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	=	0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 12

WALL LeftWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-7.5000	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	=	0.0000	m
quota di taglio	=	0.0000	m
quota di equil. pressioni dell'acqua	=	-10.500	m
indicatore comportamento acqua	=	0.0000	(1=REMOVE)
opzione aggiornamento pressioni acqua	=	0.0000	(1=NO UPD)

RIASSUNTO DATI RELATIVI ALLA FASE 13

WALL LeftWall

coordinata y	=	0.0000	m
quota piano campagna	=	0.0000	m
quota del fondo scavo	=	-7.5000	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	=	0.0000	m
quota di taglio	=	0.0000	m

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

RIASSUNTO DATI RELATIVI ALLA FASE 13

quota di equil. pressioni dell'acqua	= -10.500	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	
UHLeft	LeftWall	0.	-10.50	UPHILL	0.	
DHLeft	LeftWall	0.	-10.50	DOWNHILL	180.0	

RIASSUNTO ELEMENTI BEAM						
Name	Wall	Z1	Z2	Mat	thick	
		m	m		m	
Paratia	LeftWall	0.	-10.50	_	0.5646E-01	

RIASSUNTO ELEMENTI WIRE							
Name	Wall	Zeta	Mat	A/L	Pinit	Angle	
		m			kN/m	deg	
PrimOrd	LeftWall	-1.800	_	0.1500E-04	60.35	20.00	
SecOrd	LeftWall	-4.800	_	0.1500E-04	43.12	20.00	
PrimOrd_2	LeftWall	-1.300	_	0.1533E-04	60.00	20.00	
SecOrd_2	LeftWall	-4.300	_	0.1840E-04	40.00	20.00	

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

RIASSUNTO DATI VARI

MATERIALI	
Name	YOUNG MODULUS
	kPa
Acci	2.0594E+008
Tira	2.101E+008

FONDAZIONI NASTRIFORMI						
Wall	Formula	Dy	Width B	Elev.	Qf	Diff. Angle
		m	m	m	kPa	deg
Left	boussineq	6	2	0	5.81	45
Left	boussineq	8	2	0	17.43	45
Left	boussineq	10	2	0	29.04	45
Left	boussineq	12	2	0	40.66	45
Left	boussineq	14	2	0	52.28	45
Left	boussineq	16	2	0	63.9	45
Left	boussineq	18	2	0	75.52	45
Left	boussineq	20	2	0	87.13	45
Left	boussineq	22	2	0	98.75	45
Left	boussineq	24	2	0	110.37	45
Left	boussineq	26	2	0	121.99	45
Left	boussineq	28	2	0	133.6	45
Left	boussineq	30	2	0	145.22	45
Left	boussineq	32	2	0	156.84	45
Left	boussineq	34	2	0	168.46	45

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

DISTRIBUTED LOAD SUMMARY

Wall	From step	To step	Z1	P1	Z2	P2
Left	13	13	-10.500	0.0000	0.0000	2.2000

UNITS FOR Z1 , Z2 =m

UNITS FOR P1 , P2 =kPa

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

RIASSUNTO ANALISI INCREMENTALE

FASE	N. DI ITERAZIONI	CONVERGENZA
1	2	SI
2	5	SI
3	2	SI
4	2	SI
5	2	SI
6	2	SI
7	2	SI
8	3	SI
9	2	SI
10	3	SI
11	3	SI
12	2	SI
13	2	SI

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

MASSIMI SPOSTAMENTI LATERALI

TUTTI I PASSI

* PARETE LeftWall*

* I PASSI NON EQUILIBRATI SONO ESCLUSI *

* NOTA: LE QUOTE ESPRESSE IN m
E GLI SPOSTAMENTI IN m

NODO	QUOTA ZETA	SPOSTAMENTO MASSIMO	FASE PARETE LeftWall
1	0.0000	0.94153E-02	7
2	-0.20000	0.86600E-02	7
3	-0.40000	0.79080E-02	7
4	-0.60000	0.71671E-02	7
5	-0.80000	0.64520E-02	7
6	-1.0000	0.57850E-02	7
7	-1.2000	0.51969E-02	7
8	-1.3000	0.49453E-02	8
9	-1.5000	0.45572E-02	8
10	-1.7000	0.43679E-02	8
11	-1.8000	0.43681E-02	8
12	-2.0000	0.45755E-02	8
13	-2.2000	0.49930E-02	8
14	-2.4000	0.55425E-02	8
15	-2.6000	0.61613E-02	8
16	-2.8000	0.68020E-02	8
17	-3.0000	0.74286E-02	8
18	-3.2000	0.80150E-02	8
19	-3.4000	0.85447E-02	8
20	-3.6000	0.90104E-02	8
21	-3.8000	0.94137E-02	8
22	-4.0000	0.97660E-02	9
23	-4.2000	0.10187E-01	9
24	-4.3000	0.10378E-01	9
25	-4.5000	0.10745E-01	9
26	-4.7000	0.11136E-01	9
27	-4.8000	0.11358E-01	9
28	-5.0000	0.11869E-01	9
29	-5.2000	0.12421E-01	9
30	-5.4000	0.12950E-01	9
31	-5.6000	0.13439E-01	7
32	-5.8000	0.13881E-01	7
33	-6.0000	0.14180E-01	7
34	-6.2000	0.14302E-01	7
35	-6.4000	0.14226E-01	7
36	-6.6000	0.13939E-01	7
37	-6.8000	0.13438E-01	7
38	-7.0000	0.12733E-01	7

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

NODO	QUOTA ZETA	SPOSTAMENTO MASSIMO	FASE PARETE LeftWall
39	-7.2000	0.11850E-01	7
40	-7.4000	0.10834E-01	7
41	-7.6000	0.97530E-02	7
42	-7.8000	0.86931E-02	7
43	-8.0000	0.77177E-02	7
44	-8.2000	0.68624E-02	7
45	-8.4000	0.61415E-02	7
46	-8.6000	0.55550E-02	7
47	-8.8000	0.50934E-02	7
48	-9.0000	0.47404E-02	7
49	-9.2000	0.44768E-02	7
50	-9.4000	0.42828E-02	7
51	-9.6000	0.41401E-02	7
52	-9.8000	0.40330E-02	7
53	-10.000	0.39483E-02	7
54	-10.200	0.38753E-02	7
55	-10.400	0.38070E-02	7
56	-10.500	0.37732E-02	7

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

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

* PARETE LeftWall GRUPPO Paratia*

STEP 1 - 13

* 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.	0.2274E-12	0.4405E-12	2.736
	B	-0.2000	0.5472	0.	2.736
2	A	-0.2000	0.5472	0.	8.585
	B	-0.4000	2.264	0.1137E-12	8.585
3	A	-0.4000	2.264	0.	14.81
	B	-0.6000	5.225	0.4547E-12	14.81
4	A	-0.6000	5.225	0.7390E-12	21.38
	B	-0.8000	9.501	0.3411E-12	21.38
5	A	-0.8000	9.501	0.1279E-11	28.26
	B	-1.000	15.15	0.6253E-12	28.26
6	A	-1.000	15.15	0.2316E-11	35.38
	B	-1.200	22.23	0.1734E-11	35.38
7	A	-1.200	22.23	0.2796E-17	40.80
	B	-1.300	26.31	0.4832E-11	40.80
8	A	-1.300	26.31	0.3169E-11	21.45
	B	-1.500	24.27	0.2984E-11	21.45
9	A	-1.500	24.27	0.2714E-11	25.54
	B	-1.700	23.64	0.3212E-11	25.54
10	A	-1.700	23.64	0.4917E-11	29.13
	B	-1.800	23.88	0.5808E-16	29.13
11	A	-1.800	23.88	0.5808E-16	46.87
	B	-2.000	16.04	0.9216E-16	46.87
12	A	-2.000	16.04	0.9216E-16	38.91
	B	-2.200	9.982	0.1357E-15	38.91
13	A	-2.200	9.982	0.1357E-15	30.86
	B	-2.400	5.140	1.198	30.86
14	A	-2.400	5.140	1.198	22.95
	B	-2.600	4.012	5.562	22.95
15	A	-2.600	4.012	5.562	16.36
	B	-2.800	4.586	8.470	16.36
16	A	-2.800	4.586	8.470	12.90
	B	-3.000	4.568	10.12	12.90
17	A	-3.000	4.568	10.12	10.55
	B	-3.200	4.176	10.51	10.55

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

BEAM EL.	ESTREMO	QUOTA	MOMENTO SX	MOMENTO DX	TAGLIO
18	A	-3.200	4.176	10.51	8.492
	B	-3.400	3.586	10.44	8.492
19	A	-3.400	3.586	10.44	10.28
	B	-3.600	2.930	10.75	10.28
20	A	-3.600	2.930	10.75	15.91
	B	-3.800	2.263	11.09	15.91
21	A	-3.800	2.263	11.09	21.67
	B	-4.000	1.648	11.88	21.67
22	A	-4.000	1.648	11.88	27.66
	B	-4.200	5.440	12.33	27.66
23	A	-4.200	5.440	12.33	32.33
	B	-4.300	8.673	12.39	32.33
24	A	-4.300	8.673	12.39	18.88
	B	-4.500	8.572	12.15	18.88
25	A	-4.500	8.572	12.15	22.05
	B	-4.700	9.762	11.38	22.05
26	A	-4.700	9.762	11.38	24.59
	B	-4.800	10.80	10.73	24.59
27	A	-4.800	10.80	10.73	35.56
	B	-5.000	4.699	8.801	35.56
28	A	-5.000	4.699	8.801	30.03
	B	-5.200	0.1690E-15	5.794	30.03
29	A	-5.200	0.1690E-15	5.794	24.79
	B	-5.400	0.9372E-01	7.458	24.79
30	A	-5.400	0.9372E-01	7.458	19.82
	B	-5.600	1.845	11.42	19.82
31	A	-5.600	1.845	11.42	15.85
	B	-5.800	4.002	14.59	15.85
32	A	-5.800	4.002	14.59	12.14
	B	-6.000	5.242	16.97	12.14
33	A	-6.000	5.242	16.97	8.942
	B	-6.200	5.782	18.52	8.942
34	A	-6.200	5.782	18.52	5.240
	B	-6.400	5.827	19.13	5.240
35	A	-6.400	5.827	19.13	2.180
	B	-6.600	5.553	18.70	2.180
36	A	-6.600	5.553	18.70	7.191
	B	-6.800	5.007	17.37	7.191
37	A	-6.800	5.007	17.37	13.14
	B	-7.000	4.316	15.16	13.14
38	A	-7.000	4.316	15.16	20.32
	B	-7.200	3.582	11.80	20.32
39	A	-7.200	3.582	11.80	29.01
	B	-7.400	2.880	6.697	29.01
40	A	-7.400	2.880	6.697	39.36
	B	-7.600	3.696	0.	39.36

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

BEAM EL:	ESTREMO	QUOTA	MOMENTO SX	MOMENTO DX	TAGLIO
41	A	-7.600	3.696	0.	25.58
	B	-7.800	8.586	0.	25.58
42	A	-7.800	8.586	0.	15.54
	B	-8.000	11.28	0.3367E-17	15.54
43	A	-8.000	11.28	0.3367E-17	7.562
	B	-8.200	12.27	0.6253E-17	7.562
44	A	-8.200	12.27	0.6253E-17	1.505
	B	-8.400	12.02	0.7912E-17	1.505
45	A	-8.400	12.02	0.7912E-17	5.198
	B	-8.600	11.02	0.8585E-17	5.198
46	A	-8.600	11.02	0.8585E-17	7.899
	B	-8.800	9.470	0.8462E-17	7.899
47	A	-8.800	9.470	0.8462E-17	8.965
	B	-9.000	7.690	0.7758E-17	8.965
48	A	-9.000	7.690	0.7758E-17	8.910
	B	-9.200	5.908	0.3100E-01	8.910
49	A	-9.200	5.908	0.3100E-01	8.132
	B	-9.400	4.282	0.5414E-01	8.132
50	A	-9.400	4.282	0.5414E-01	6.836
	B	-9.600	2.982	0.2652E-01	6.836
51	A	-9.600	2.982	0.2652E-01	5.698
	B	-9.800	1.865	0.1422E-01	5.698
52	A	-9.800	1.865	0.1422E-01	4.462
	B	-10.00	0.9726	0.1122E-01	4.462
53	A	-10.00	0.9726	0.1122E-01	3.117
	B	-10.20	0.3492	0.1100E-01	3.117
54	A	-10.20	0.3492	0.1100E-01	1.589
	B	-10.40	0.3141E-01	0.6578E-02	1.589
55	A	-10.40	0.3141E-01	0.6578E-02	0.3141
	B	-10.50	0.1361E-11	0.1076E-11	0.3141

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

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

TIRANTE	PrimOrd	1 PARETE LeftWall	QUOTA	-1.8000
		FASE 1 inattivo		
		FASE 2 inattivo		
		FASE 3 FORZA 60.350		kN/m
		FASE 4 FORZA 65.992		kN/m
		FASE 5 FORZA 66.087		kN/m
		FASE 6 FORZA 64.947		kN/m
		FASE 7 FORZA 73.396		kN/m
		FASE 8 FORZA 73.426		kN/m
		FASE 9 FORZA 57.928		kN/m
		FASE 10 FORZA 57.374		kN/m
		FASE 11 FORZA 53.647		kN/m
		FASE 12 FORZA 53.630		kN/m
		FASE 13 FORZA 54.682		kN/m
TIRANTE	SecOrd	1 PARETE LeftWall	QUOTA	-4.8000
		FASE 1 inattivo		
		FASE 2 inattivo		
		FASE 3 inattivo		
		FASE 4 inattivo		
		FASE 5 FORZA 43.120		kN/m
		FASE 6 FORZA 52.612		kN/m
		FASE 7 FORZA 57.897		kN/m
		FASE 8 FORZA 57.908		kN/m
		FASE 9 FORZA 58.573		kN/m
		FASE 10 FORZA 52.812		kN/m
		FASE 11 FORZA 50.542		kN/m
		FASE 12 FORZA 50.487		kN/m
		FASE 13 FORZA 50.904		kN/m
TIRANTE	PrimOrd_2	1 PARETE LeftWall	QUOTA	-1.3000
		FASE 1 inattivo		
		FASE 2 inattivo		
		FASE 3 inattivo		
		FASE 4 inattivo		
		FASE 5 inattivo		
		FASE 6 inattivo		
		FASE 7 inattivo		
		FASE 8 inattivo		
		FASE 9 FORZA 60.000		kN/m
		FASE 10 FORZA 60.220		kN/m
		FASE 11 FORZA 55.630		kN/m
		FASE 12 FORZA 55.632		kN/m
		FASE 13 FORZA 56.956		kN/m

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

TIRANTE SecOrd_2

1 PARETE LeftWall	QUOTA	-4.3000	
FASE 1	inattivo		
FASE 2	inattivo		
FASE 3	inattivo		
FASE 4	inattivo		
FASE 5	inattivo		
FASE 6	inattivo		
FASE 7	inattivo		
FASE 8	inattivo		
FASE 9	inattivo		
FASE 10	FORZA	40.000	kN/m
FASE 11	FORZA	37.102	kN/m
FASE 12	FORZA	36.944	kN/m
FASE 13	FORZA	37.521	kN/m

INVILUPPO RISULTATI NEGLI ELEMENTI TERRENO

* PARETE LeftWall GRUPPO UHLeft*

STEP 1 - 13

* 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.	27.36	10.72	0.	0.
2	-0.2000	29.24	11.17	0.	0.
3	-0.4000	31.10	10.37	0.	0.
4	-0.6000	32.87	9.378	0.	0.
5	-0.8000	34.42	9.311	0.	0.
6	-1.000	35.58	10.39	0.	0.
7	-1.200	36.12	11.64	0.	0.
8	-1.300	36.07	12.37	0.	0.
9	-1.500	35.18	14.28	0.	0.
10	-1.700	37.30	14.22	0.	0.
11	-1.800	38.44	14.24	0.	0.
12	-2.000	39.78	14.77	0.	0.
13	-2.200	40.23	15.79	0.	0.
14	-2.400	40.21	17.12	0.	0.
15	-2.600	40.44	24.98	0.	0.
16	-2.800	43.38	27.77	0.	0.
17	-3.000	46.83	30.52	0.	0.
18	-3.200	50.26	33.13	0.	0.
19	-3.400	53.68	35.51	0.	0.
20	-3.600	57.08	39.20	0.	0.
21	-3.800	60.47	41.19	0.	0.
22	-4.000	63.84	42.97	0.	0.
23	-4.200	67.19	44.90	0.	0.
24	-4.300	68.85	45.79	0.	0.
25	-4.500	72.18	49.36	0.	0.
26	-4.700	75.49	51.20	0.	0.
27	-4.800	77.13	52.19	0.	0.
28	-5.000	80.42	54.38	0.	0.
29	-5.200	83.68	56.69	0.	0.
30	-5.400	86.93	58.94	0.	0.
31	-5.600	90.17	63.34	0.	0.
32	-5.800	93.39	65.43	0.	0.
33	-6.000	96.59	67.09	0.	0.
34	-6.200	99.78	68.21	0.	0.
35	-6.400	103.0	68.73	0.	0.

PARATIE 6.0
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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
36	-6.600	106.1	70.93	0.	0.
37	-6.800	109.3	70.10	0.	0.
38	-7.000	112.4	68.62	0.	0.
39	-7.200	115.5	66.56	0.	0.
40	-7.400	118.6	64.07	0.	0.
41	-7.600	121.7	63.02	0.	0.
42	-7.800	124.8	60.24	0.	0.
43	-8.000	127.8	57.75	0.	0.
44	-8.200	130.9	55.64	0.	0.
45	-8.400	133.9	54.01	0.	0.
46	-8.600	137.0	53.83	0.	0.
47	-8.800	140.0	53.12	0.	0.
48	-9.000	143.0	52.80	0.	0.
49	-9.200	146.0	52.80	0.	0.
50	-9.400	149.0	53.06	0.	0.
51	-9.600	152.0	54.26	0.	0.
52	-9.800	155.0	54.82	0.	0.
53	-10.00	157.9	55.47	0.	0.
54	-10.20	160.9	56.08	0.	0.
55	-10.40	163.8	56.72	0.	0.
56	-10.50	165.3	57.72	0.	0.

PARATIE 6.0
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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

INVILUPPO RISULTATI NEGLI ELEMENTI TERRENO

* PARETE LeftWall GRUPPO DHLeft*

STEP 1 - 13

* 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	2.790	0.5050	0.	0.
3	-0.4000	5.578	1.011	0.	0.
4	-0.6000	8.364	1.518	0.	0.
5	-0.8000	11.14	2.028	0.	0.
6	-1.000	13.92	2.541	0.	0.
7	-1.200	16.69	3.057	0.	0.
8	-1.300	18.07	3.317	0.	0.
9	-1.500	20.82	3.841	0.	0.
10	-1.700	23.56	4.370	0.	0.
11	-1.800	24.93	4.637	0.	0.
12	-2.000	27.65	5.175	0.	0.
13	-2.200	30.36	5.720	0.	0.
14	-2.400	33.06	10.02	0.	0.
15	-2.600	39.91	16.65	0.	0.
16	-2.800	43.38	14.91	0.	0.
17	-3.000	46.83	13.25	0.	0.
18	-3.200	50.26	11.77	0.	0.
19	-3.400	53.68	10.51	0.	0.
20	-3.600	57.08	9.679	0.	0.
21	-3.800	60.47	8.759	0.	0.
22	-4.000	63.84	9.082	0.	0.
23	-4.200	67.19	9.707	0.	0.
24	-4.300	68.85	10.02	0.	0.
25	-4.500	72.18	10.66	0.	0.
26	-4.700	75.49	11.31	0.	0.
27	-4.800	77.13	11.63	0.	0.
28	-5.000	80.42	12.29	0.	0.
29	-5.200	83.68	12.96	0.	0.
30	-5.400	86.93	32.75	0.	0.
31	-5.600	90.17	33.66	0.	0.
32	-5.800	93.39	32.44	0.	0.
33	-6.000	96.59	30.95	0.	0.
34	-6.200	99.78	29.42	0.	0.
35	-6.400	103.0	27.95	0.	0.

PARATIE 6.0

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

SOIL EL.	QUOTA	SIGMA-H	TAGLIO	PR. ACQUA	GRAD. MAX
36	-6.600	106.1	27.23	0.	0.
37	-6.800	109.3	25.95	0.	0.
38	-7.000	112.4	24.80	0.	0.
39	-7.200	115.5	23.84	0.	0.
40	-7.400	118.6	23.04	0.	0.
41	-7.600	141.1	63.30	0.	0.
42	-7.800	138.5	60.04	0.	0.
43	-8.000	136.4	55.90	0.	0.
44	-8.200	133.9	52.00	0.	0.
45	-8.400	133.9	48.89	0.	0.
46	-8.600	137.0	46.97	0.	0.
47	-8.800	140.0	43.93	0.	0.
48	-9.000	143.0	41.64	0.	0.
49	-9.200	146.0	39.93	0.	0.
50	-9.400	149.0	38.54	0.	0.
51	-9.600	152.0	38.28	0.	0.
52	-9.800	155.0	37.26	0.	0.
53	-10.00	157.9	36.34	0.	0.
54	-10.20	160.9	35.46	0.	0.
55	-10.40	163.8	34.57	0.	0.
56	-10.50	165.3	34.91	0.	0.

PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

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 -->	UHLe	DHLe
SPINTA EFFICACE VERA			872.04	872.04
SPINTA ACQUA			0.	0.
SPINTA TOTALE VERA			872.04	872.04
SPINTA ATTIVA (POSSIBILE)			0.72131	0.18341E-01
SPINTA PASSIVA (POSSIBILE)			3048.0	3014.7
RAPPORTO PASSIVA/VERA			3.4953	3.4570
SPINTA PASSIVA MOBILITATA			29.%	29.%
RAPPORTO VERA/ATTIVA			1209.0	47545.

PARATIE 6.0
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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

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FASE	GRUPPO -->	UHLe	DHLe
2			
	SPINTA EFFICACE VERA	771.83	771.83
	SPINTA ACQUA	0.	0.
	SPINTA TOTALE VERA	771.83	771.83
	SPINTA ATTIVA (POSSIBILE)	0.72131	0.
	SPINTA PASSIVA (POSSIBILE)	3048.0	2373.7
	RAPPORTO PASSIVA/VERA	3.9490	3.0754
	SPINTA PASSIVA MOBILITATA	25.%	33.%
	RAPPORTO VERA/ATTIVA	1070.0	0.10000E+06
3			
	SPINTA EFFICACE VERA	817.30	760.59
	SPINTA ACQUA	0.	0.
	SPINTA TOTALE VERA	817.30	760.59
	SPINTA ATTIVA (POSSIBILE)	0.72131	0.
	SPINTA PASSIVA (POSSIBILE)	3048.0	2373.7
	RAPPORTO PASSIVA/VERA	3.7293	3.1208
	SPINTA PASSIVA MOBILITATA	27.%	32.%
	RAPPORTO VERA/ATTIVA	1133.1	0.10000E+06
4			
	SPINTA EFFICACE VERA	603.32	541.30
	SPINTA ACQUA	0.	0.
	SPINTA TOTALE VERA	603.32	541.30
	SPINTA ATTIVA (POSSIBILE)	0.72131	0.
	SPINTA PASSIVA (POSSIBILE)	3048.0	1294.1
	RAPPORTO PASSIVA/VERA	5.0521	2.3906
	SPINTA PASSIVA MOBILITATA	20.%	42.%
	RAPPORTO VERA/ATTIVA	836.42	0.10000E+06
5			
	SPINTA EFFICACE VERA	636.82	534.20
	SPINTA ACQUA	0.	0.
	SPINTA TOTALE VERA	636.82	534.20
	SPINTA ATTIVA (POSSIBILE)	0.72131	0.
	SPINTA PASSIVA (POSSIBILE)	3048.0	1294.1
	RAPPORTO PASSIVA/VERA	4.7863	2.4224
	SPINTA PASSIVA MOBILITATA	21.%	41.%
	RAPPORTO VERA/ATTIVA	882.86	0.10000E+06

PARATIE 6.0
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 PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

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FASE	GRUPPO -->	UHLe	DHLe
6			
	SPINTA EFFICACE VERA	457.66	347.19
	SPINTA ACQUA	0.	0.
	SPINTA TOTALE VERA	457.66	347.19
	SPINTA ATTIVA (POSSIBILE)	0.72131	0.
	SPINTA PASSIVA (POSSIBILE)	3048.0	647.93
	RAPPORTO PASSIVA/VERA	6.6599	1.8662
	SPINTA PASSIVA MOBILITATA	15.%	54.%
	RAPPORTO VERA/ATTIVA	634.49	0.10000E+06

FASE	GRUPPO -->	UHLe	DHLe
7			
	SPINTA EFFICACE VERA	495.66	372.28
	SPINTA ACQUA	0.	0.
	SPINTA TOTALE VERA	495.66	372.28
	SPINTA ATTIVA (POSSIBILE)	9.8354	0.
	SPINTA PASSIVA (POSSIBILE)	3338.9	647.93
	RAPPORTO PASSIVA/VERA	6.7363	1.7404
	SPINTA PASSIVA MOBILITATA	15.%	57.%
	RAPPORTO VERA/ATTIVA	50.395	0.10000E+06

FASE	GRUPPO -->	UHLe	DHLe
8			
	SPINTA EFFICACE VERA	534.72	411.30
	SPINTA ACQUA	0.	0.
	SPINTA TOTALE VERA	534.72	411.30
	SPINTA ATTIVA (POSSIBILE)	9.8354	0.
	SPINTA PASSIVA (POSSIBILE)	3338.9	1089.7
	RAPPORTO PASSIVA/VERA	6.2442	2.6494
	SPINTA PASSIVA MOBILITATA	16.%	38.%
	RAPPORTO VERA/ATTIVA	54.367	0.10000E+06

FASE	GRUPPO -->	UHLe	DHLe
9			
	SPINTA EFFICACE VERA	577.50	411.64
	SPINTA ACQUA	0.	0.
	SPINTA TOTALE VERA	577.50	411.64
	SPINTA ATTIVA (POSSIBILE)	9.8354	0.
	SPINTA PASSIVA (POSSIBILE)	3338.9	1089.7
	RAPPORTO PASSIVA/VERA	5.7816	2.6473
	SPINTA PASSIVA MOBILITATA	17.%	38.%
	RAPPORTO VERA/ATTIVA	58.716	0.10000E+06

PARATIE 6.0 Ce.A.S. s.r.l. - Milano

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PARATIA MICROPALI IMBOCCO - GENOVA-MILANO

FASE	GRUPPO -->	UHLe	DHLe
10			
	SPINTA EFFICACE VERA	609.43	411.72
	SPINTA ACQUA	0.	0.
	SPINTA TOTALE VERA	609.43	411.72
	SPINTA ATTIVA (POSSIBILE)	9.8354	0.
	SPINTA PASSIVA (POSSIBILE)	3338.9	1089.7
	RAPPORTO PASSIVA/VERA	5.4787	2.6468
	SPINTA PASSIVA MOBILITATA	18.%	38.%
	RAPPORTO VERA/ATTIVA	61.963	0.10000E+06
11			
	SPINTA EFFICACE VERA	583.00	397.96
	SPINTA ACQUA	0.	0.
	SPINTA TOTALE VERA	583.00	397.96
	SPINTA ATTIVA (POSSIBILE)	0.72131	0.
	SPINTA PASSIVA (POSSIBILE)	3048.0	1089.7
	RAPPORTO PASSIVA/VERA	5.2281	2.7383
	SPINTA PASSIVA MOBILITATA	19.%	37.%
	RAPPORTO VERA/ATTIVA	808.26	0.10000E+06
12			
	SPINTA EFFICACE VERA	550.29	365.46
	SPINTA ACQUA	0.	0.
	SPINTA TOTALE VERA	550.29	365.46
	SPINTA ATTIVA (POSSIBILE)	0.72131	0.
	SPINTA PASSIVA (POSSIBILE)	3048.0	647.93
	RAPPORTO PASSIVA/VERA	5.5389	1.7729
	SPINTA PASSIVA MOBILITATA	18.%	56.%
	RAPPORTO VERA/ATTIVA	762.91	0.10000E+06
13			
	SPINTA EFFICACE VERA	542.61	366.16
	SPINTA ACQUA	0.	0.
	SPINTA TOTALE VERA	542.61	366.16
	SPINTA ATTIVA (POSSIBILE)	0.72131	0.
	SPINTA PASSIVA (POSSIBILE)	3048.0	647.93
	RAPPORTO PASSIVA/VERA	5.6173	1.7695
	SPINTA PASSIVA MOBILITATA	18.%	57.%
	RAPPORTO VERA/ATTIVA	752.25	0.10000E+06

I= 1.000

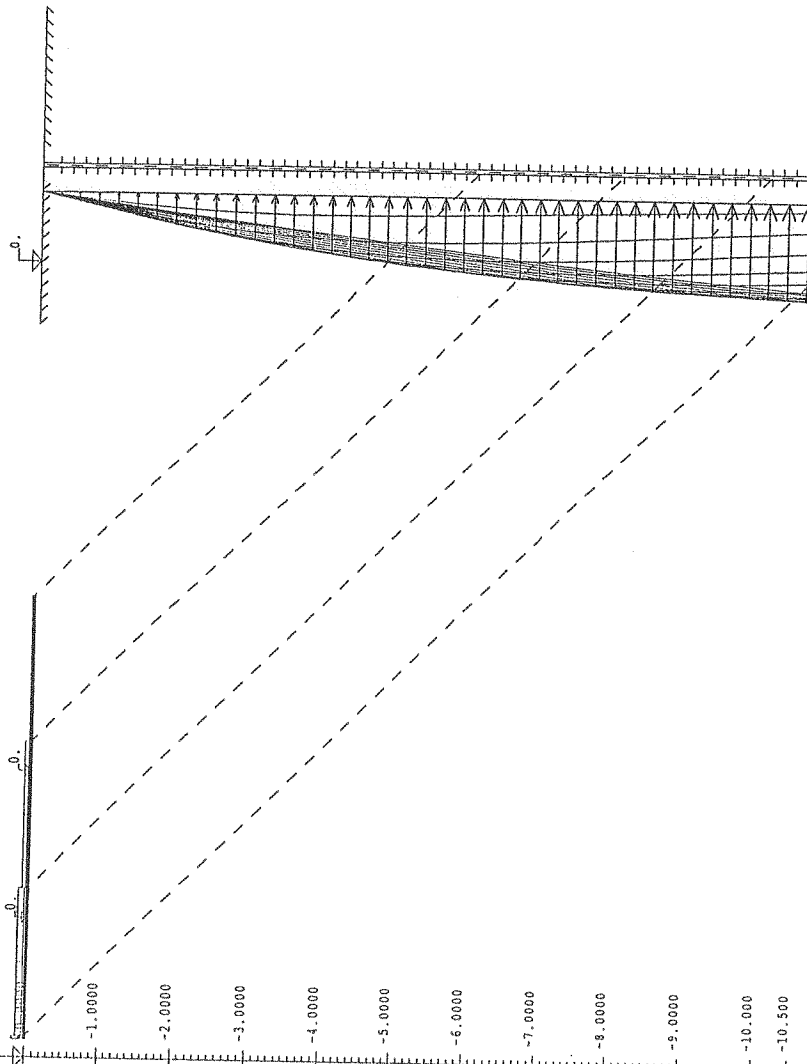
E= 84.00

S=0.5000

LEVER Y

- S001 1.000
- S002 0.000
- S003 0.000
- S004 0.000
- S005 0.000
- S006 0.000
- S007 0.000
- S008 0.000
- S009 0.000
- S010 0.000
- S011 0.000
- S012 0.000
- S013 0.000
- C001 1.000
- C002 0.000
- C003 0.000
- C004 0.000
- C005 0.000
- C006 0.000
- C007 0.000
- C008 0.000
- C009 0.000
- C010 0.000
- C011 0.000
- C012 0.000
- C013 0.000

LeftWall
Y= 0.00000



STRATIGRAFIA

Strato1

Strato2

Strato3

Strato4

Strato5

Strato6

Strato7

Strato8

Strato9

Strato10

Strato11

Strato12

Strato13

FASE 1

PARAFIA MICROPALE INNOCCO - GENOVA-MILANO
D:\In_Lavorazione\Innoce\Innoce\Emboce\unicolo Val di Lemna\Estefia\Caso 8\IM_GE-MI

Force units= KN
Length units= M

* Ce.A.S. S.r.l. Milano *

PARAFIA 6.0

12 MAGGIO 2003 13:02:54

L= 1.000

D= 84.00

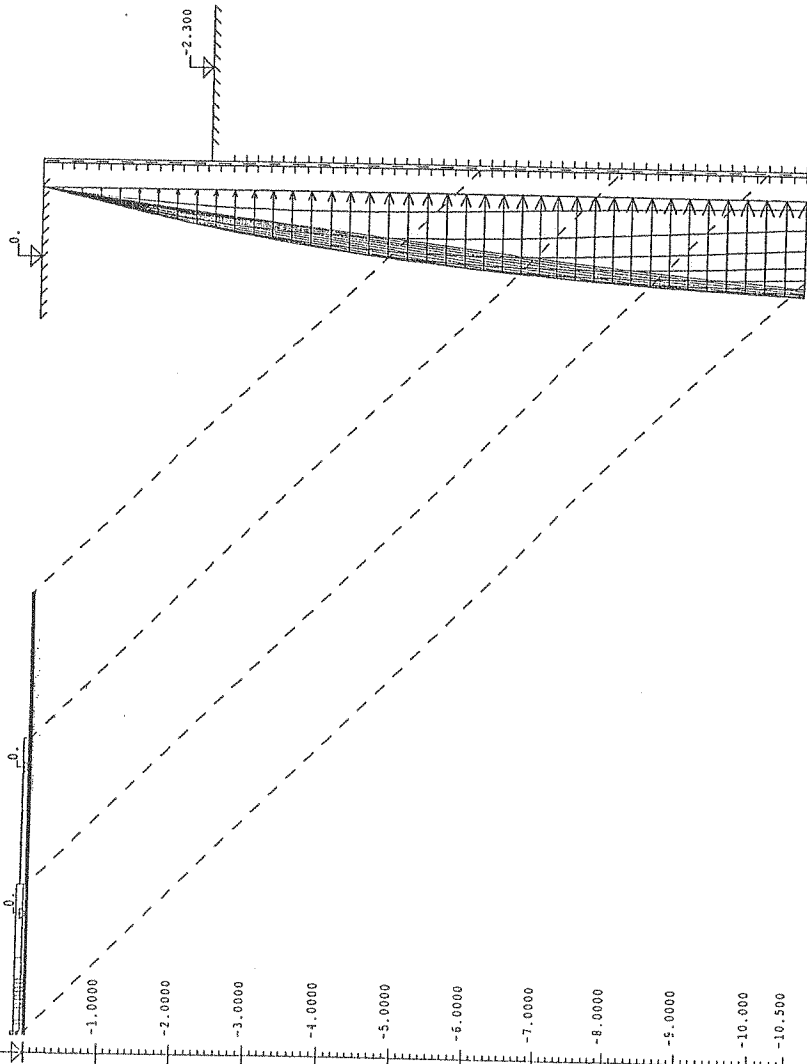
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LCUR V

- S021 0.000
- S022 1.000
- S003 0.000
- S004 0.000
- S025 0.000
- S006 0.000
- S007 0.000
- S008 0.000
- S009 0.000
- S010 0.000
- S011 0.000
- S012 0.000
- S013 0.000
- C001 1.000
- C002 1.000
- C003 0.000
- C004 0.000
- C005 0.000
- C006 0.000
- C007 0.000
- C008 0.000
- C009 0.000
- C010 0.000
- C011 0.000
- C012 0.000
- C013 0.000

LeftWall

Y= 0.00000



SPRINTGRAFIA

Stato02

-2.500

Stato02

-3.500

Stato03

-4.500

Stato04

-5.500

Stato05

-6.500

Stato06

-7.500

Stato07

-8.500

Stato08

-5.500

Stato09

-10.50

Stato10

FASE 2

PARATIA MICROPALE INDORECH - GENOVA-MILANO

Prato Invernizzone\Genova-Milano\Embreco emnicolo Vai di Lemme\Paratia\Caso B1K_GG-MI

Force units= KN
Length units= M

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PARATIE 6.0

12 MAGGIO 2003 13:02:54

L= 1.000

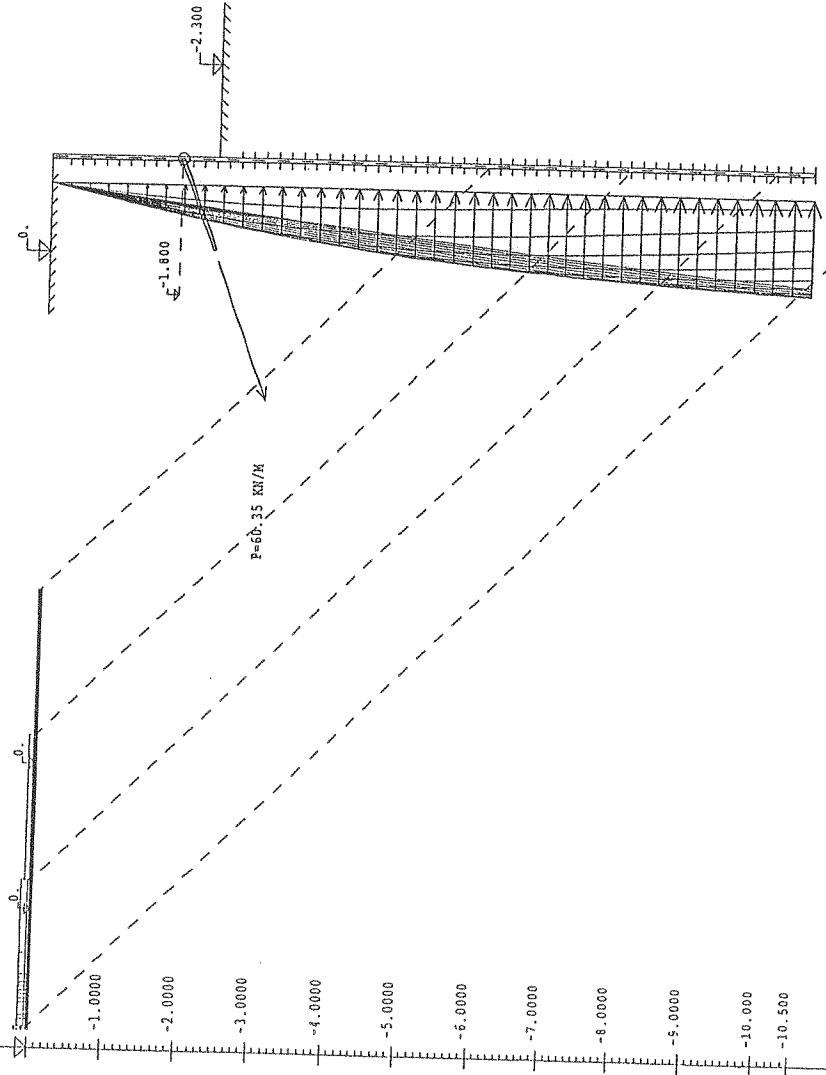
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S=0.5000

LCUR V

- S001 0.000
- S002 0.000
- S003 1.000
- S004 0.000
- S005 0.000
- S006 0.000
- S007 0.000
- S008 0.000
- S009 0.000
- S010 0.000
- S011 0.000
- S012 0.000
- S013 0.000
- C001 1.000
- C002 1.000
- C003 1.000
- C004 0.000
- C005 0.000
- C006 0.000
- C007 0.000
- C008 0.000
- C009 0.000
- C010 0.000
- C011 0.000
- C012 0.000
- C013 0.000

LeftWall
Y= 0.00000



STRATIGRAFIA

Stratos

0

-2.500

Stratos

-3.500

Stratos

-4.500

Stratos

-5.500

Stratos

-6.500

Stratos

-7.500

Stratos

-8.500

Stratos

-9.500

Stratos

-10.500

FASE 3

PARATIA MUNICIPALE IMBOCCO - GENOVA-MILANO
 DA: In: \work\genova\genova-ni\lapp\Imbocca_cunicolo_Val di Lemme\Paratia\Caso BIM_GE-MI

Force units= KN
 Length units= M

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PARATIA 6.0

12 MAGGIO 2003 13:02:54

I = 1.000

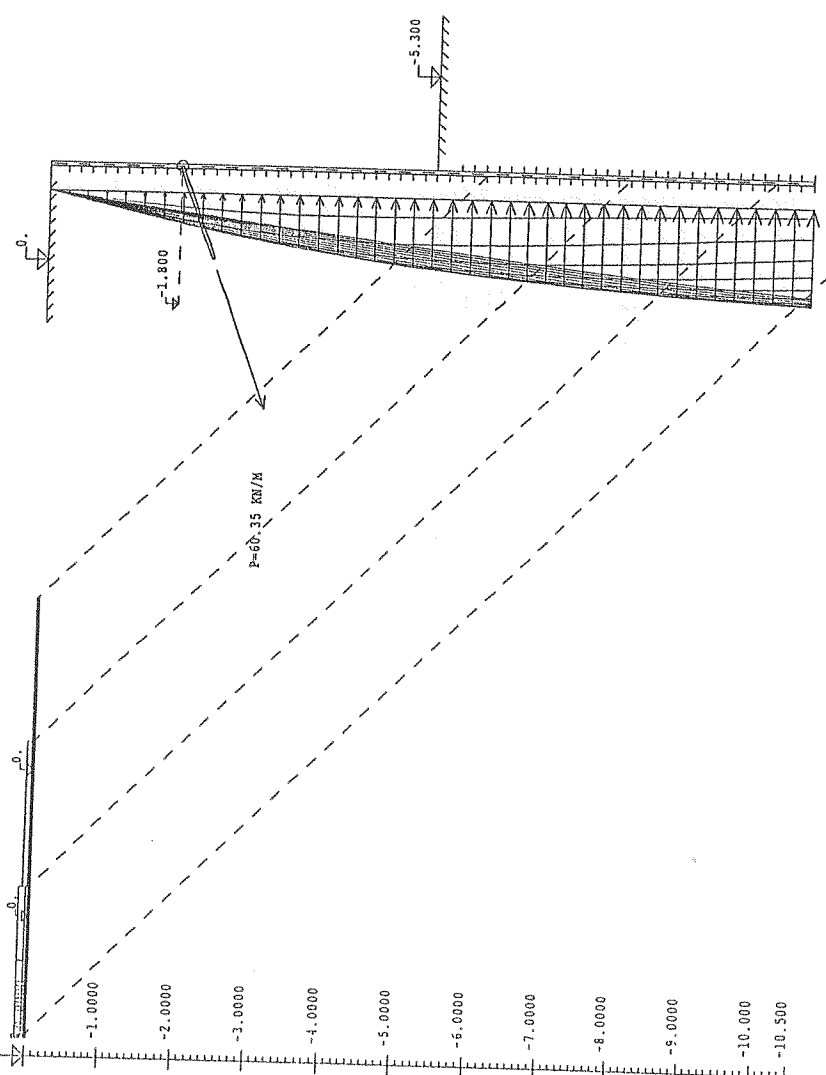
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S = 0.5000

LCUR V

- S001 0.000
- S002 0.000
- S003 0.000
- S004 1.000
- S005 0.000
- S006 0.000
- S007 0.000
- S008 0.000
- S009 0.000
- S010 0.000
- S011 0.000
- S012 0.000
- S013 0.000
- C001 1.000
- C002 1.000
- C003 1.000
- C004 1.000
- C005 0.000
- C006 0.000
- C007 0.000
- C008 0.000
- C009 0.000
- C010 0.000
- C011 0.000
- C012 0.000
- C013 0.000

LeftWall
Y = 0.00000



STRATEGRAFIA

- S001
- S002
- S003
- S004
- S005
- S006
- S007
- S008
- S009
- S010
- S011
- S012
- S013
- C001
- C002
- C003
- C004
- C005
- C006
- C007
- C008
- C009
- C010
- C011
- C012
- C013

FASE 4

PARATIA MIGROPALI INBROCCO - GRIOVA-MILANO
 P:\In\1400145\BIM\Modelli\BIM\Inbocco\BIM_GE-MI

Force units= KN
 Length units= M

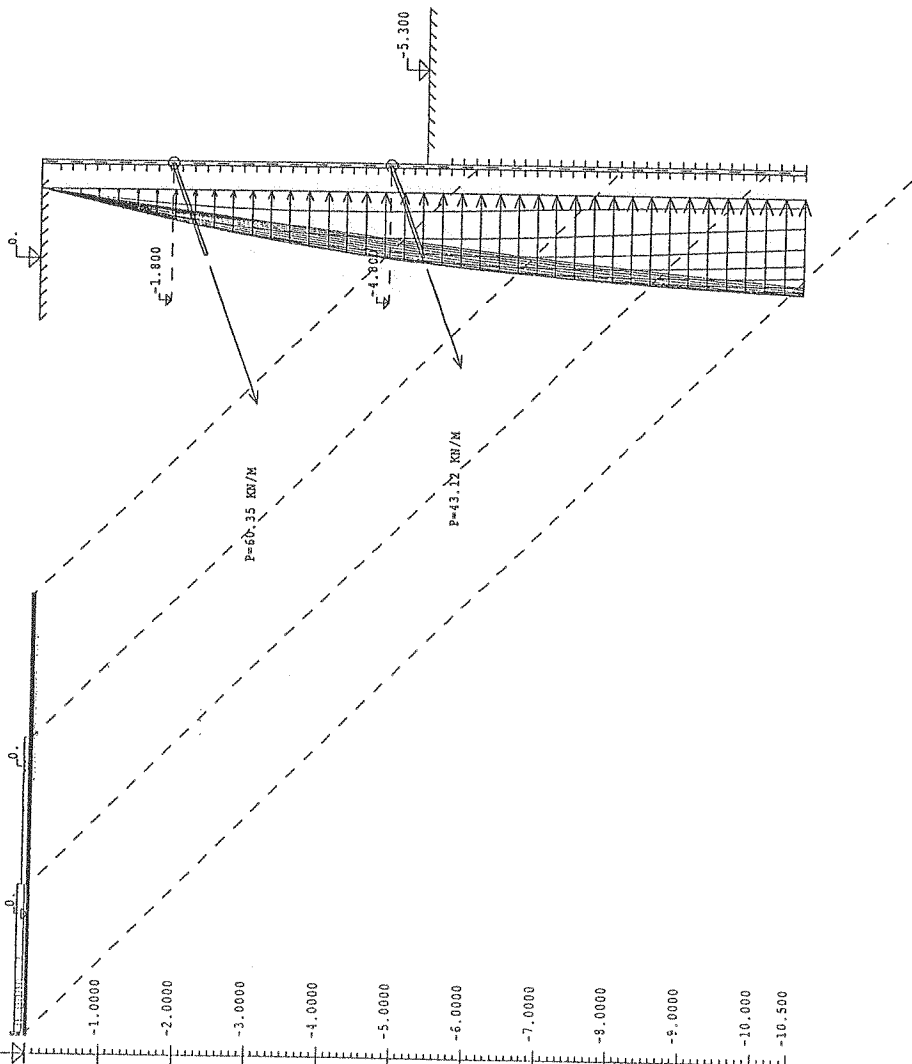
* Ce.A.S. S.r.l. Milano *

P A R A T I E 6.0

12 MAGGIO 2003 13:02:54

STRATIGRAFIA

LeftWall
Y= 0.00000



L= 1.000

P= 4.00

S= 0.500

LCUR V

- S001 0.000
- S002 0.000
- S003 0.000
- S004 0.000
- S005 1.000
- S006 0.000
- S007 0.000
- S008 0.000
- S009 0.000
- S010 0.000
- S011 0.000
- S012 0.000
- S013 0.000
- C001 1.000
- C002 1.000
- C003 1.000
- C004 1.000
- C005 1.000
- C006 0.000
- C007 0.000
- C008 0.000
- C009 0.000
- C010 0.000
- C011 0.000
- C012 0.000
- C013 0.000

I= 1.000

D= 81.00

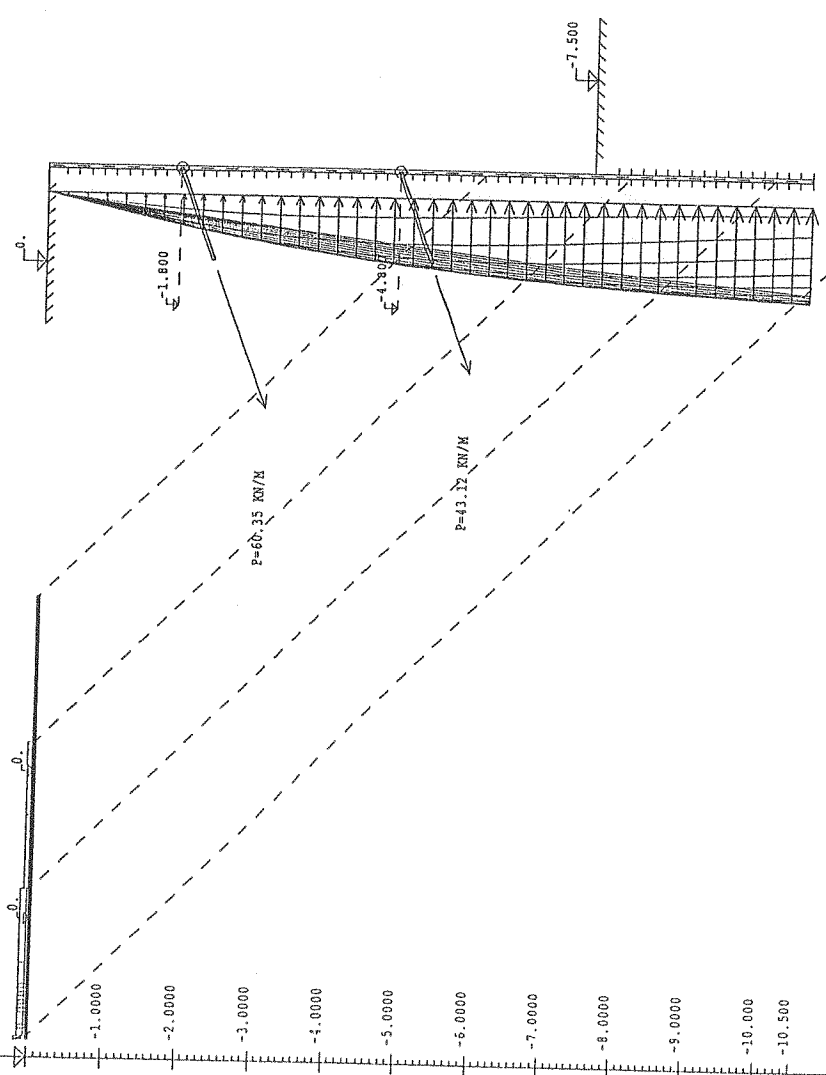
S= 0.5000

LCUR Y

- S001 0.000
- S002 0.000
- S003 0.000
- S004 0.000
- S005 0.000
- S006 1.000
- S007 0.000
- S008 0.000
- S009 0.000
- S010 0.000
- S011 0.000
- S012 0.000
- S013 0.000
- C001 1.000
- C002 1.000
- C003 1.000
- C004 1.000
- C005 1.000
- C006 1.000
- C007 0.000
- C008 0.000
- C009 0.000
- C010 0.000
- C011 0.000
- C012 0.000
- C013 0.000

LeftWall
Y= 0.00000

STRAIGRAFIA



FASE 6

PARAFIA RICHIAVILI IMBUCO - GENOVA-NILANO
DIR. LAVORAZIONE: Genova-Milano/Imbuczo cunicolo Val di Lemme/Parafia/Caso BIM_65-MI

* Ce.A.S. S.r.l. Milano *

P A R T I E 6.0

12 MAGGIO 2003 13:02:54

Force units= KN
Length units= M

l = 1.000

Q = 6.000

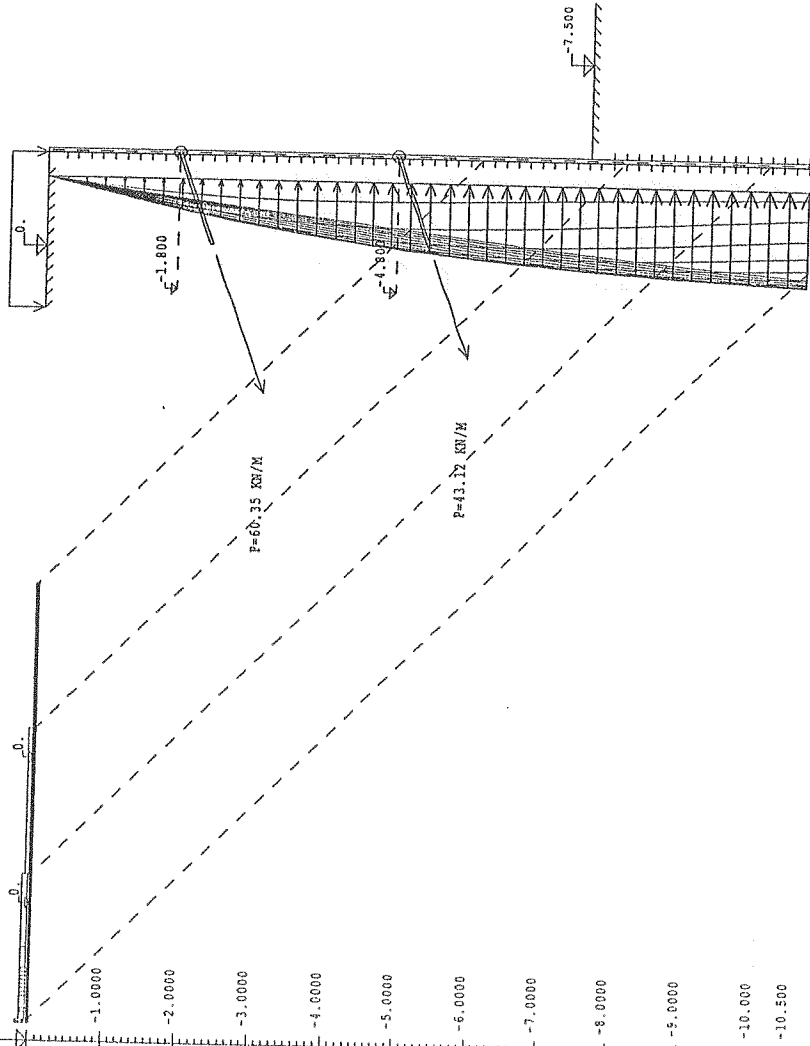
B = 87.00

S = 0.5030

LCUR V

- SC01 0.000
- SC02 0.000
- SC03 0.000
- SC04 0.000
- SC05 0.000
- SC06 0.000
- SC07 1.000
- SC08 0.000
- SC09 0.000
- SC10 0.000
- SC11 0.000
- SC12 0.000
- SC13 0.000
- CC01 1.000
- CC02 1.000
- CC03 1.000
- CC04 1.000
- CC05 1.000
- CC06 1.000
- CC07 1.000
- CC08 0.000
- CC09 0.000
- CC10 0.000
- CC11 0.000
- CC12 0.000
- CC13 0.000

LeftWall
Y = 0.00000



STRATIGRAFIA

STAT01

STAT02

STAT03

STAT04

STAT05

STAT06

STAT07

STAT08

STAT09

STAT10

STAT11

STAT12

STAT13

FASE 7

PARATIA MICROPALI INTRUCO - GENOVA-MILANO

Dir. Ing. Roberto Genovesi - Milano - Imbocco e unifico Val di Lemna \Paratia\Caso B\VM_GE-MI

Force units= KN
Length units= M

* Ce.A.S. S.r.l. Milano *

PARATIA 6.0

12 MAGGIO 2003 13:02:54

STRATIOPATIA

Lettrali
y = 0.00000

L = 1.800

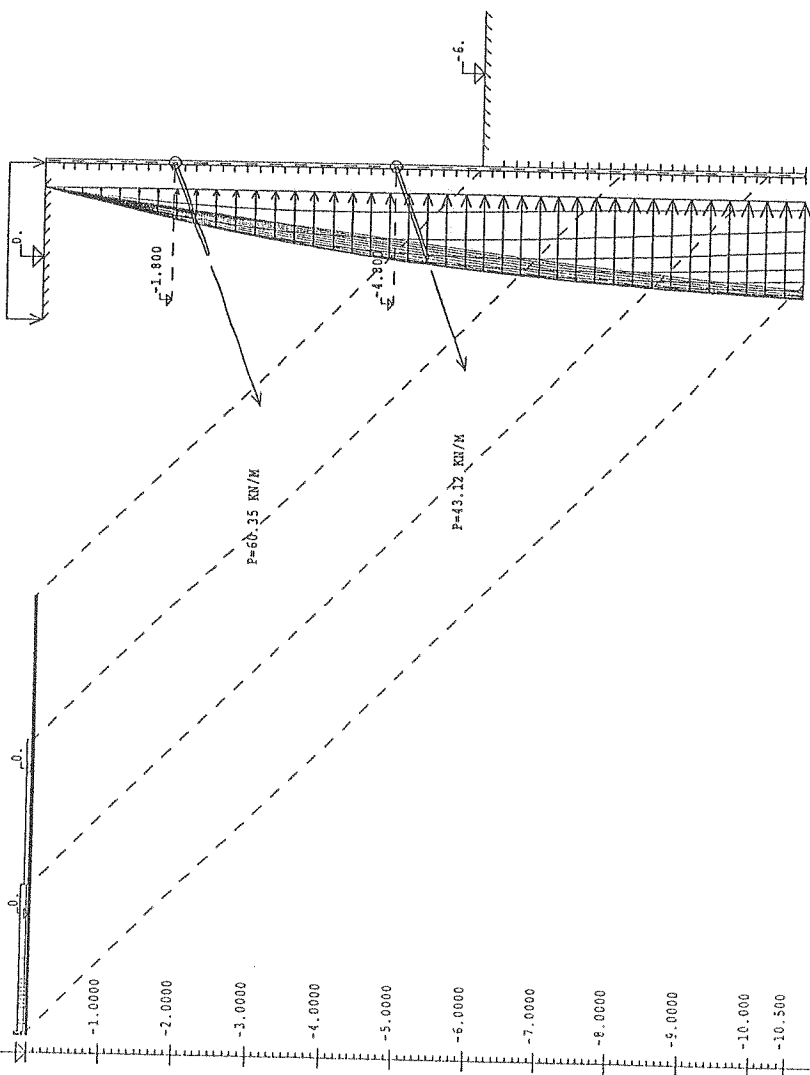
C = 8.000

D = 84.00

S = 1.5000

ICPR V

- S001 0.000
- S002 0.000
- S003 0.000
- S004 0.000
- S005 0.000
- S006 0.000
- S007 0.000
- S008 1.000
- S009 0.000
- S010 0.000
- S011 0.000
- S012 0.000
- S013 0.000
- C001 1.000
- C002 1.000
- C003 1.000
- C004 1.000
- C005 1.000
- C006 1.000
- C007 1.000
- C008 0.000
- C009 0.000
- C010 0.000
- C011 0.000
- C012 0.000
- C013 0.000



- Stato01
- Stato02
- Stato03
- Stato04
- Stato05
- Stato06
- Stato07
- Stato08
- Stato09
- Stato10
- Stato11
- Stato12
- Stato13

FASE 8

PARAVIA MICROPALI IMMOCCO - GENOVA-MILANO
 P:\A\A\00000000\Genova-Milano\Immuoco\cudiccolo Val di Lemna\Paravial\Case E\IM_GE-MI

Force units= KN
 Length units= M

* Ce.A.S. S.r.l. Milano *
 P A R T I E 6.0
 12 MAGGIO 2003 13:02:54

L= 1.000

Q= 8.000

D= 84.00

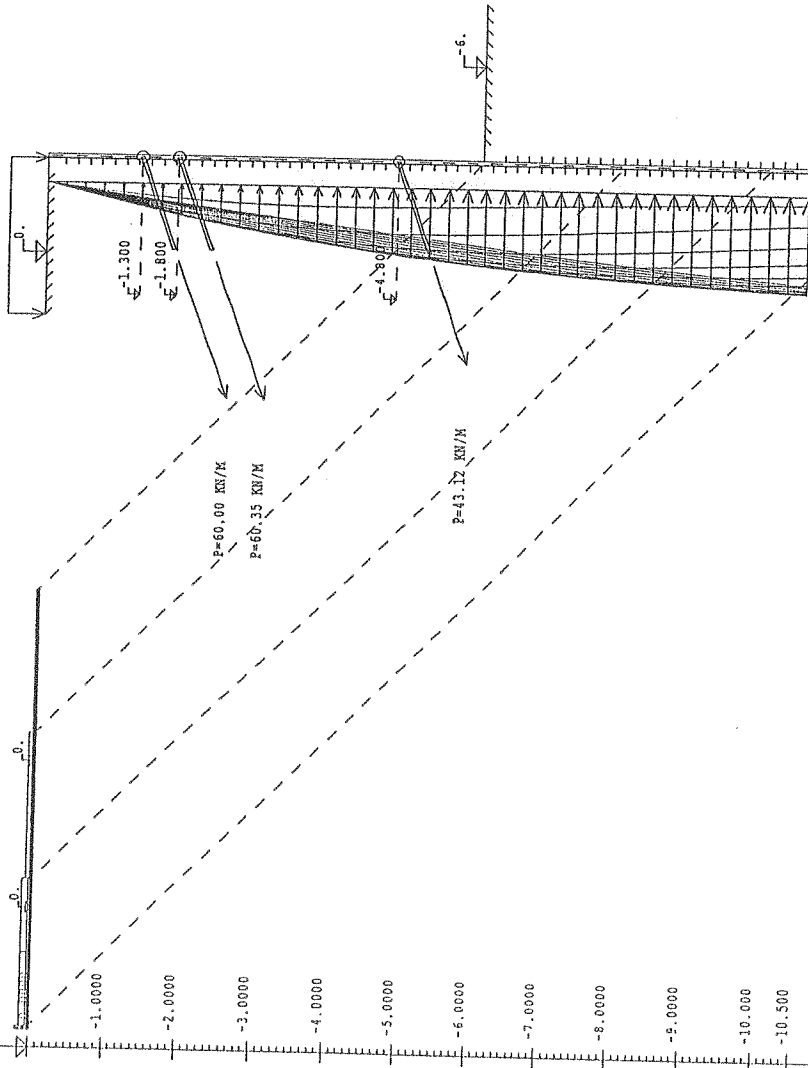
S=0.5000

ICUP V

- S001 0.000
- S002 0.000
- S003 0.000
- S004 0.000
- S005 0.000
- S006 0.000
- S007 0.000
- S008 0.000
- S009 1.000
- S010 0.000
- S011 0.000
- S012 0.000
- S013 0.000
- C001 1.000
- C002 1.000
- C003 1.000
- C004 1.000
- C005 1.000
- C006 1.000
- C007 1.000
- C008 1.000
- C009 1.000
- C010 0.000
- C011 0.000
- C012 0.000
- C013 0.000

LeftWall

Y= 0.00000



STRATIGRAFIA

Strato1

-2.500

Strato2

-3.500

Strato3

-4.500

Strato4

-5.500

Strato5

-6.500

Strato6

-7.500

Strato7

-8.500

Strato8

-9.500

Strato9

-10.500

FASE

9

PARATIA MICROPALE IMBUCCO - GENOVA-MILANO

D:\110_Laborazione\Genova-Milano\Imbuocco unificato Val di Lemme\Paratia\Caso BIM_02-MI

JOB:

* Ce.A.S. S.r.l. Milano *

PARATIA 6.0

12 MAGGIO 2003

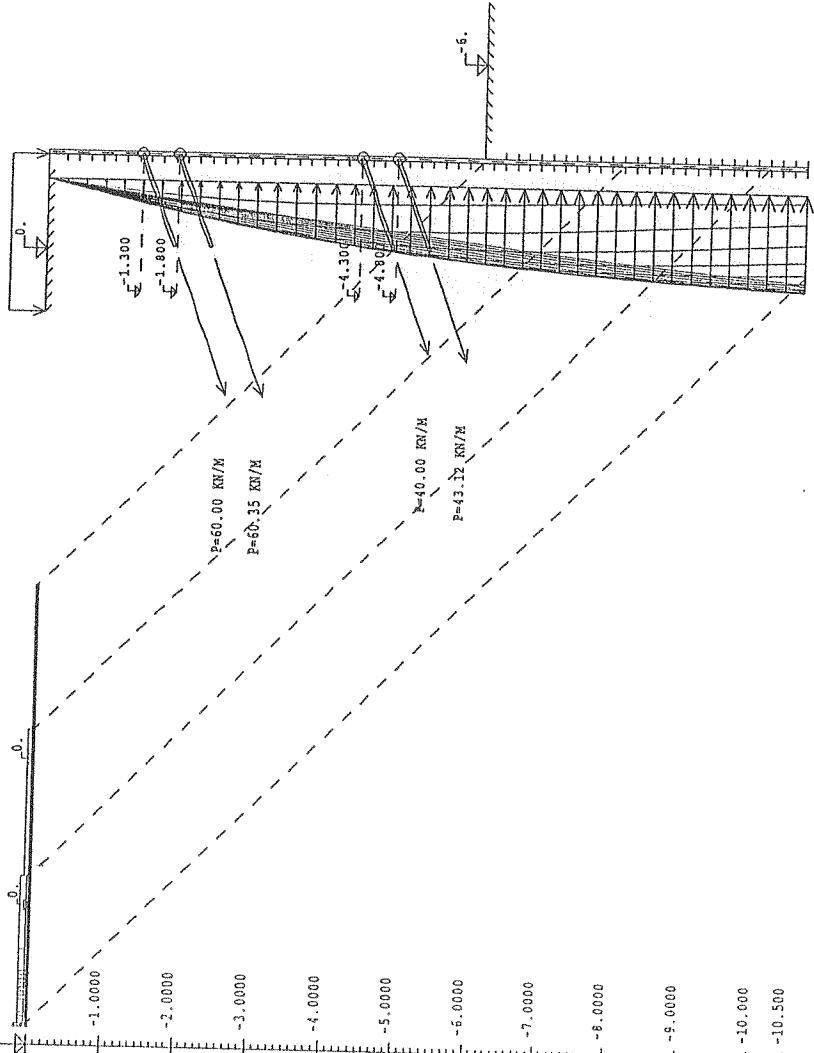
13:02:55

Force units= KN

Length units= M

STRATIGRAFIA

LeftWall
Y = 0.00000



- Strato1
- Strato2
- Strato3
- Strato4
- Strato5
- Strato6
- Strato7
- Strato8
- Strato9
- Strato10
- Strato11

- L= 1.000
- L= 2.000
- L= 51.500
- S=0.50000
- S=0.50000
- ICUR V
- S001 0.000
- S002 0.000
- S003 0.000
- S004 0.000
- S005 0.000
- S006 0.000
- S007 0.000
- S008 0.000
- S009 0.000
- S010 1.000
- S011 0.000
- S012 0.000
- S013 0.000
- C001 1.000
- C002 1.000
- C003 1.000
- C004 1.000
- C005 1.000
- C006 1.000
- C007 1.000
- C008 1.000
- C009 1.000
- C010 1.000
- C011 0.000
- C012 0.000
- C013 0.000

FASE 10

PARATIA MICROVALI IMMOGGIO - GENOVA-MILANO
 In Via Invernizzone/Arenova-Milano\Imbocco conicolo Val di Lemme\Paratia\Caso BIM_GF-MI

Force units= KN
 Length units= M

* Ce.A.S. S.r.l. Milano *

PARATIE 6.0

12 MAGGIO 2003 13:02:55

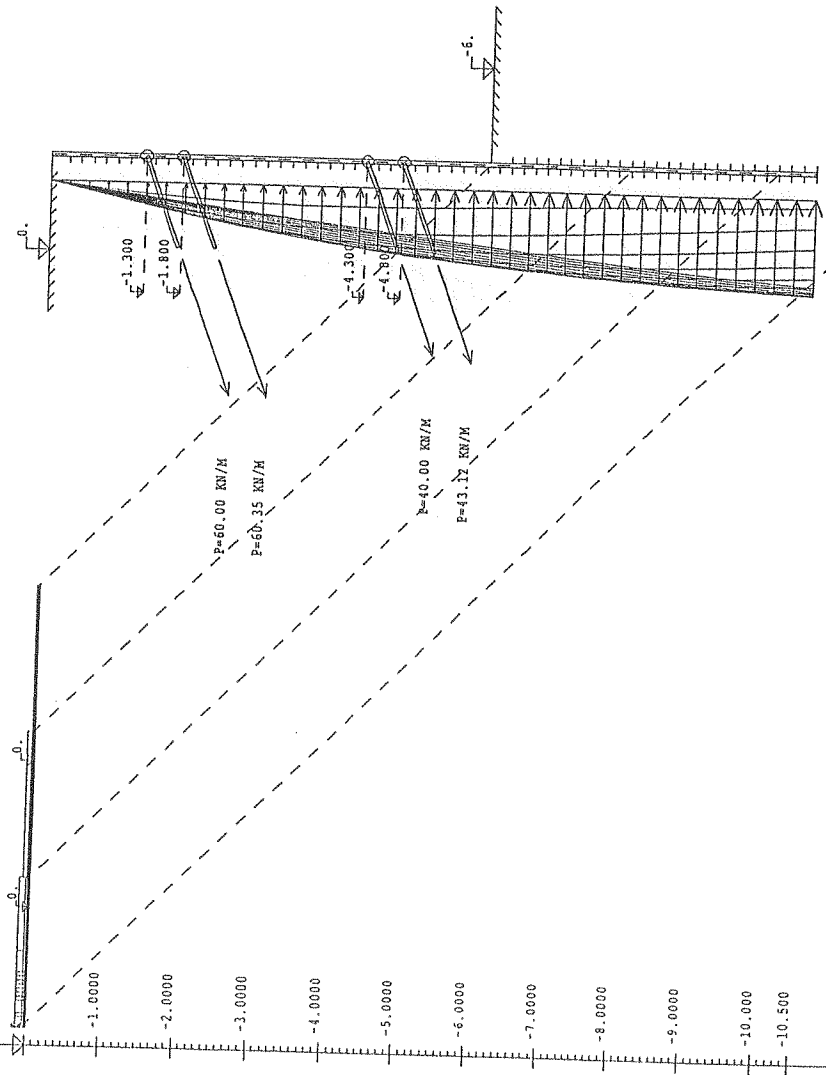
l = 1.000

D = 84.00

S = 1.5030

- LCR V
- S001 0.000
- S002 0.000
- S003 0.000
- S004 0.000
- S005 0.000
- S006 0.000
- S007 0.000
- S008 0.000
- S009 0.000
- S010 0.000
- S011 1.000
- S012 0.000
- S013 0.000
- C001 1.000
- C002 1.000
- C003 1.000
- C004 1.000
- C005 1.000
- C006 1.000
- C007 1.000
- C008 1.000
- C009 1.000
- C010 1.000
- C011 1.000
- C012 0.000
- C013 0.000

leftWall
y = 0.00000



STRATIGRAFIA

- Strat01
- 2.500
- Strat02
- 3.500
- Strat03
- 4.500
- Strat04
- 5.500
- Strat05
- 6.500
- Strat06
- 7.500
- Strat07
- 8.500
- Strat08
- 9.500
- Strat09
- 10.500

FASE II

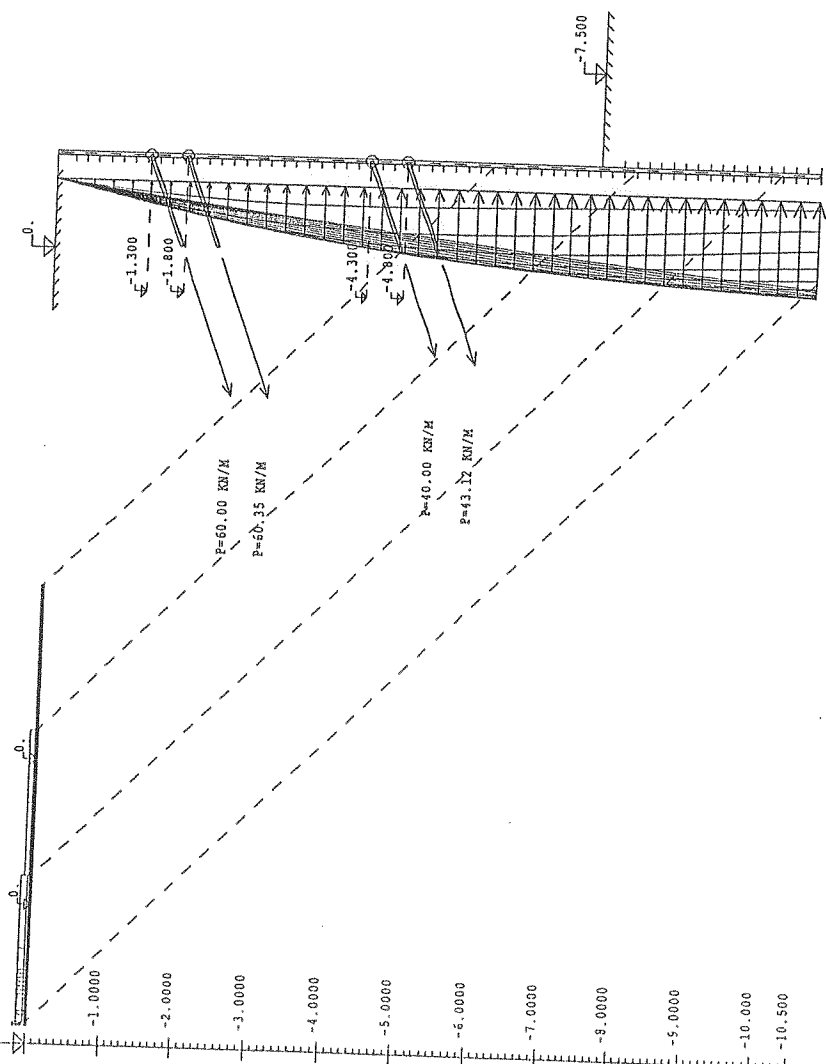
PARANTIA MICROPALI IMBOCCO - GENOVA-MILANO
 P:\V.M. Ingegnering\Milano-Milano\Imbocco unico\Case Val di Lemme\Paratia\Caso B\VM_GS-MI

Force units= KN
 Length units= M

* Ce.A.S. S.r.l. Milano *
 P A R T I E 6.0
 12 MAGGIO 2003 13:02:55

STRATEGIA

leftWall
Y= 0.00000



E= 1.000

D= 84.00

S=0.5000

LCR V

- S001 0.000
- S002 0.000
- S003 0.000
- S004 0.000
- S005 0.000
- S006 0.000
- S007 0.000
- S008 0.000
- S009 0.000
- S010 0.000
- S011 0.000
- S012 1.000
- S013 0.000
- C001 1.000
- C002 1.000
- C003 1.000
- C004 1.000
- C005 1.000
- C006 1.000
- C007 1.000
- C008 1.000
- C009 1.000
- C010 1.000
- C011 1.000
- C012 1.000
- C013 0.000

FASE 12

* Ce.A.S. S.r.l. Milano *
PARATIE 6.0
12 MAGGIO 2003 13:02:55

FAVATIA MICROPALE PROGETTO - GENOVA-MILANO
DA: In lavorazione\Genova-Milano\Imbocco cunicolo Val di Lemme\Paratia\Caso BIM_GE-MI

Force units= KN
Length units= M

L= 1.000

P= 84.00

S= 0.5000

LCUR V

S001 0.000

S002 0.000

S003 0.000

S004 0.000

S005 0.000

S006 0.000

S007 0.000

S008 0.000

S009 0.000

S010 0.000

S011 0.000

S012 0.000

S013 1.000

C001 1.000

C002 1.000

C003 1.000

C004 1.000

C005 1.000

C006 1.000

C007 1.000

C008 1.000

C009 1.000

C010 1.000

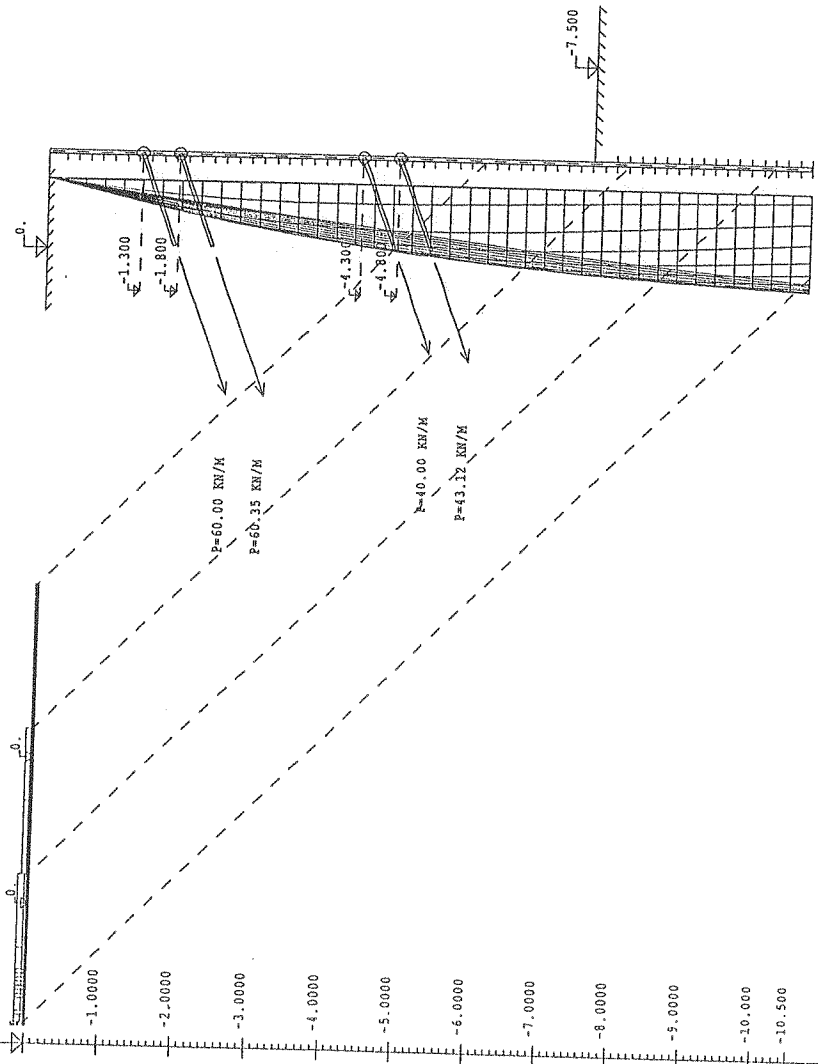
C011 1.000

C012 1.000

C013 1.000

LeftWall
Y= 0.00000

STRATIGRAFIA



- Strato1
- Strato2
- Strato3
- Strato4
- Strato5
- Strato6
- Strato7
- Strato8
- Strato9

FASE 13

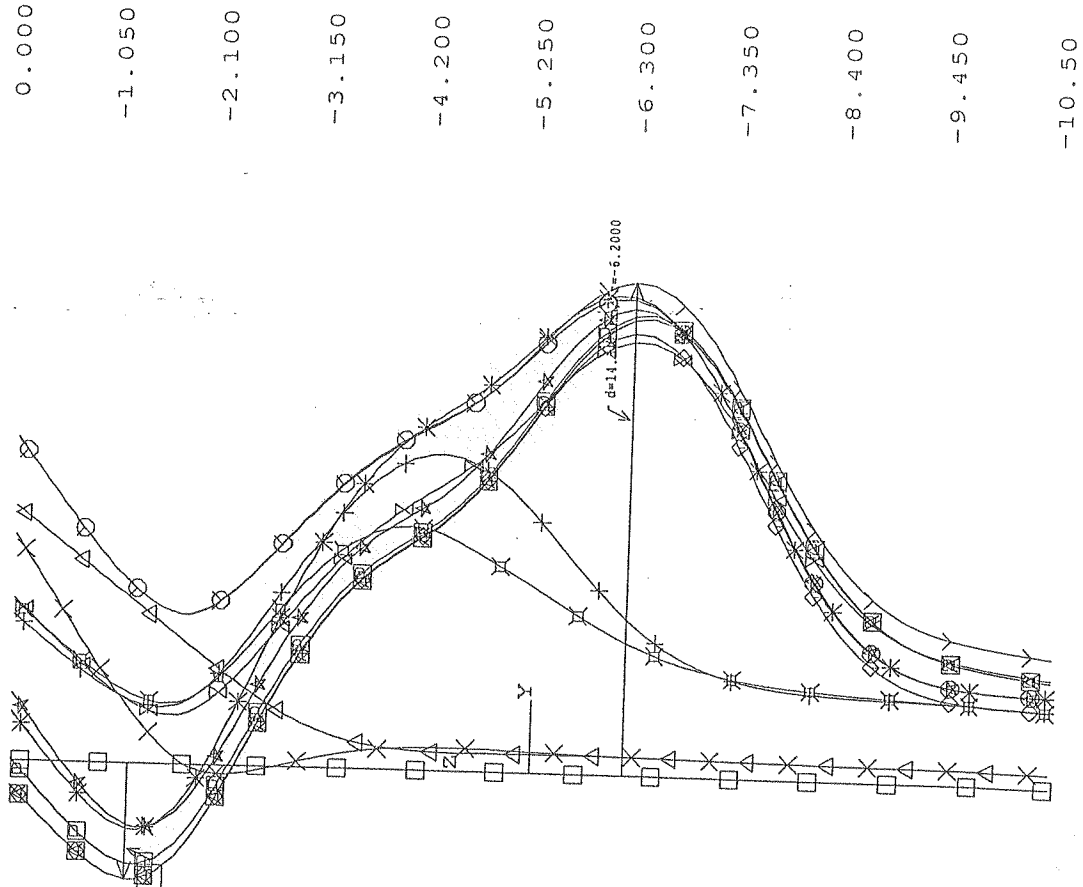
PIAZZA MICHELLE IMBESCO - BENVENIA-MILANO
 DIVISIONE INVESTITORI/Genova-Milano/Imbesco cunicolo Val di Lemme/Parafia/Caso BIM_GE-MI

Force units= KN
 Length units= M

* Ce.A.S. S.r.l. Milano *

PARATIE 6.0

12 MAGGIO 2003 13:02:55



d=-3.3838 mm, z=-1.2000

d=11.2222 mm, z=-6.2000

- E- step 13
- I- step 12
- O- step 11
- *- step 10
- *- step 9
- O- step 8
- v- step 7
- I- step 6
- H- step 5
- +- step 4
- X- step 3
- Δ- step 2
- step 1

FATTORE SCALAO.74 - FATTORE AMPLIF 351.14
 DEFORMATA PASSI 1 / 13 [m]

* Ce.A.S. S.r.l. Milano *

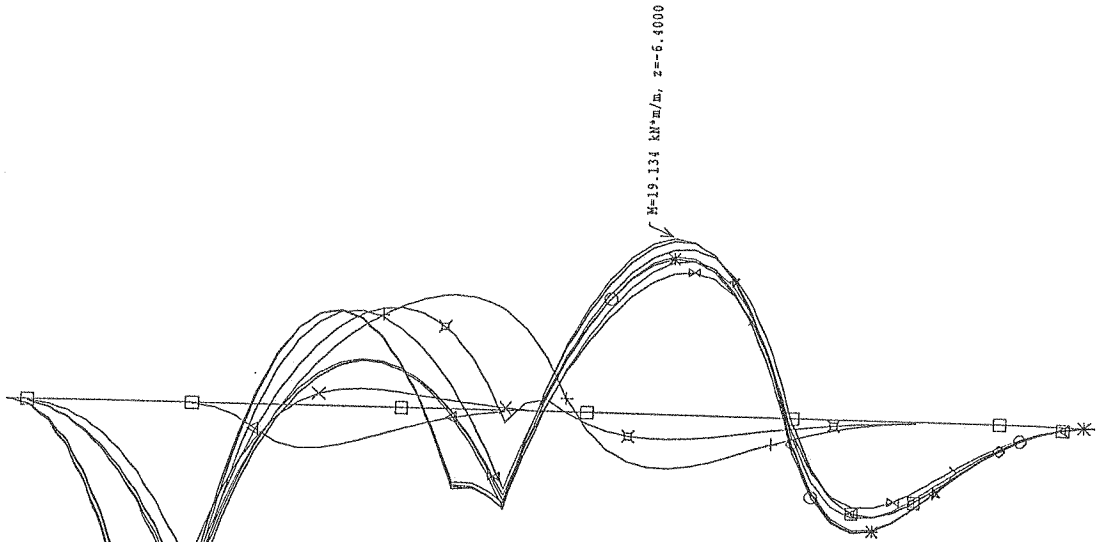
P A R A T I E 6.0

12 MAGGIO 2003 13:03:54

Force units= KN
 Length units= M

PARATIA MICROFALTI INBORGIO - GENOVA-MILANO
 P:\Vie\laboratorio\Genova-Milano\Inborgeo sunicolo Val di Lemme\Paratia\Caso B\VM_GE-MI

0.000
 -1.050
 -2.100
 -3.150
 -4.200
 -5.250
 -6.300
 -7.350
 -8.400
 -9.450
 -10.50



- Step 13
- Step 12
- Step 11
- Step 10
- Step 9
- Step 8
- Step 7
- Step 6
- Step 5
- Step 4
- Step 3
- Step 2
- Step 1

MOMENTI FLETTENTI [kN*m/m]
 INVILUPPO DA 1 A 13 SCALA GEOM.G.70

26.000

STRESS
 UNITS

PROGETTA MICROPALI INROCCO - GENOVA-MILANO
 DATA Lavori: Ione Genova-Milano\libroco_eunicolo_val di Lemme\Paratia\Caso BIM_GE-MI

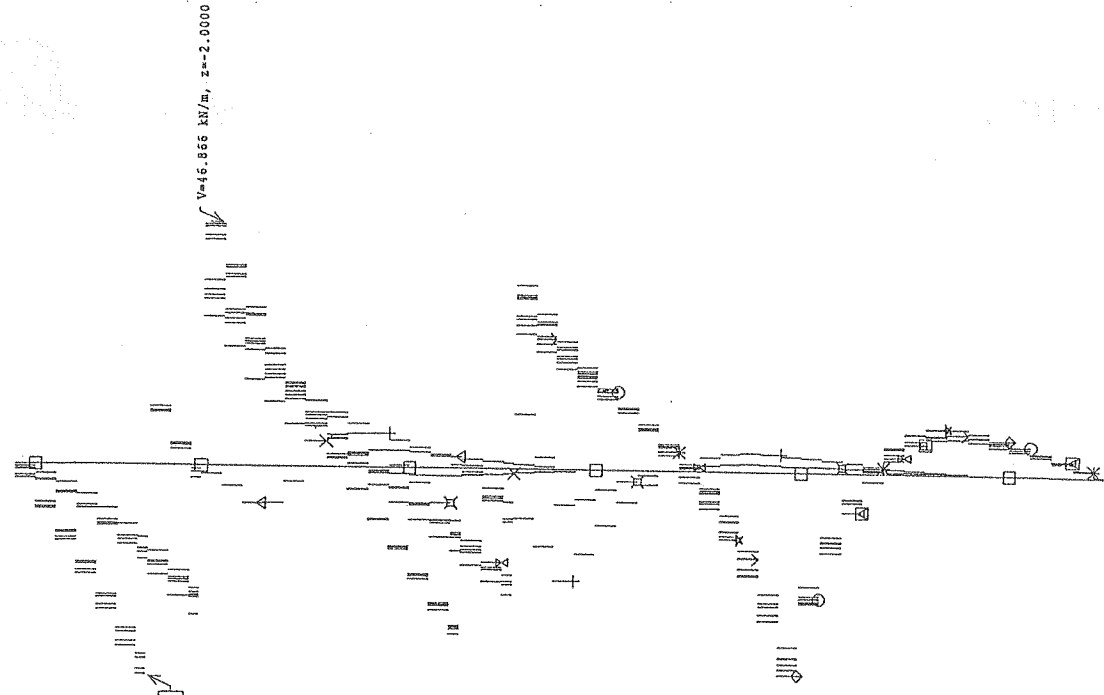
Force units= KN
 Length units= M

* Ce.A.S. S.r.l. Milano *

P A R A T I E 6.0

12 MAGGIO 2003 13:03:42

0.000
 -1.050
 -2.100
 -3.150
 -4.200
 -5.250
 -6.300
 -7.350
 -8.400
 -9.450
 -10.50



13
 12
 11
 10
 9
 8
 7
 6
 5
 4
 3
 2
 1

Step
 Step
 Step
 Step
 Step
 Step
 Step
 Step
 Step
 Step
 Step

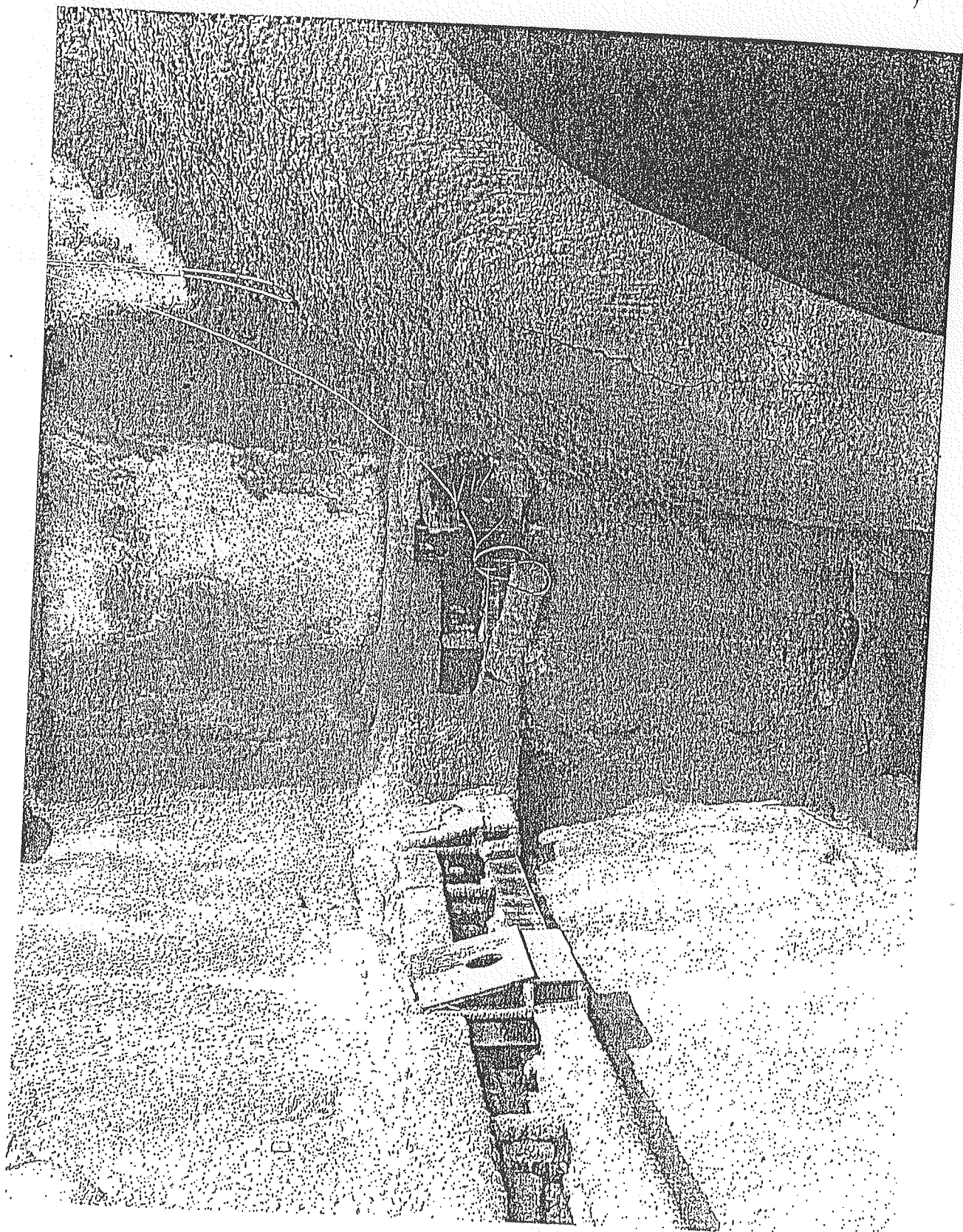
TAGLI [kN/m]
 INVILUPPO DA 1 A 13 SCALA GEOM.0.70

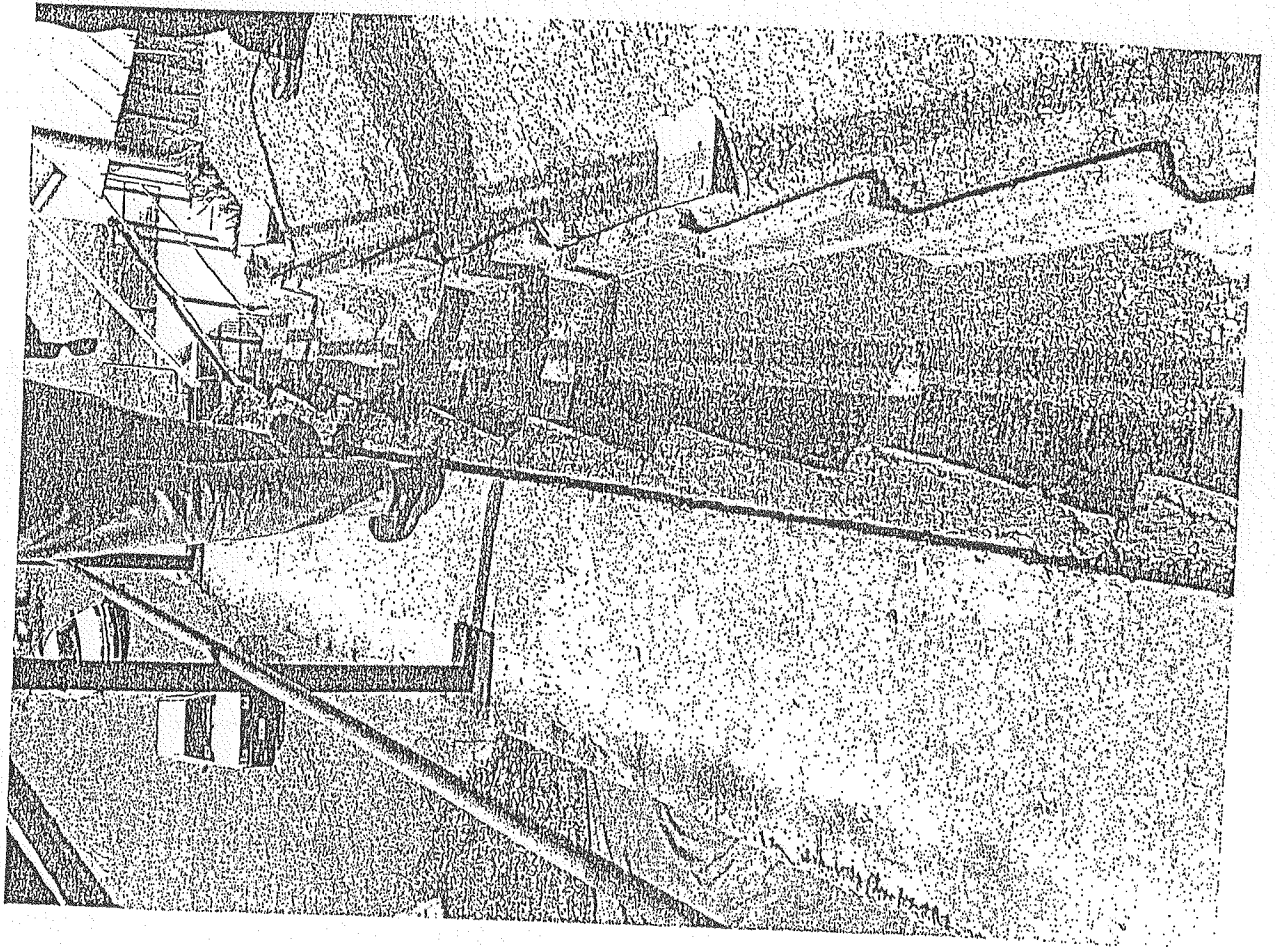
47.000 STRESS
 UNITS

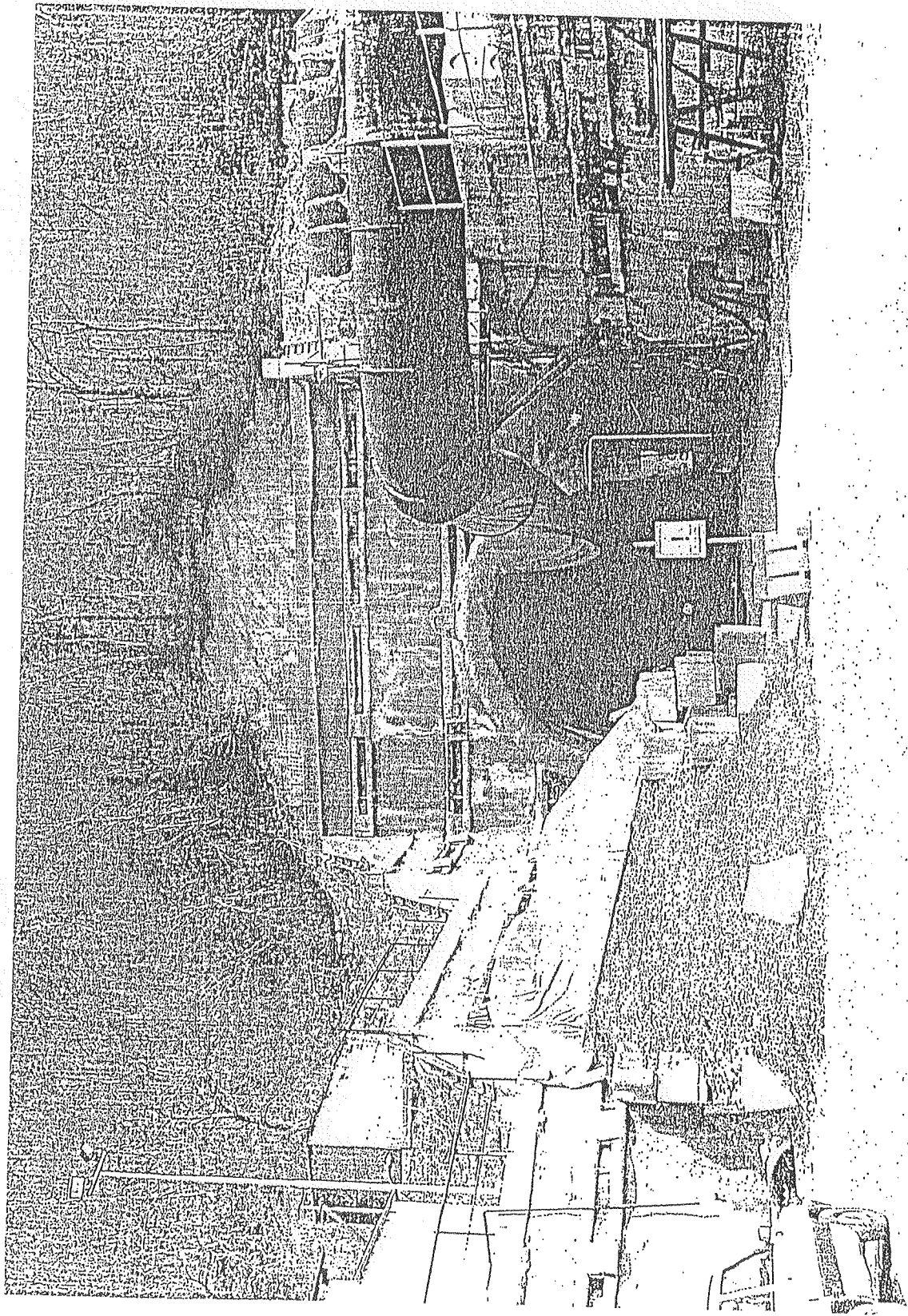
* Ce.A.S. S.r.l. Milano *
 P A R A T I E 6.0
 12 MAGGIO 2003 13:03:48

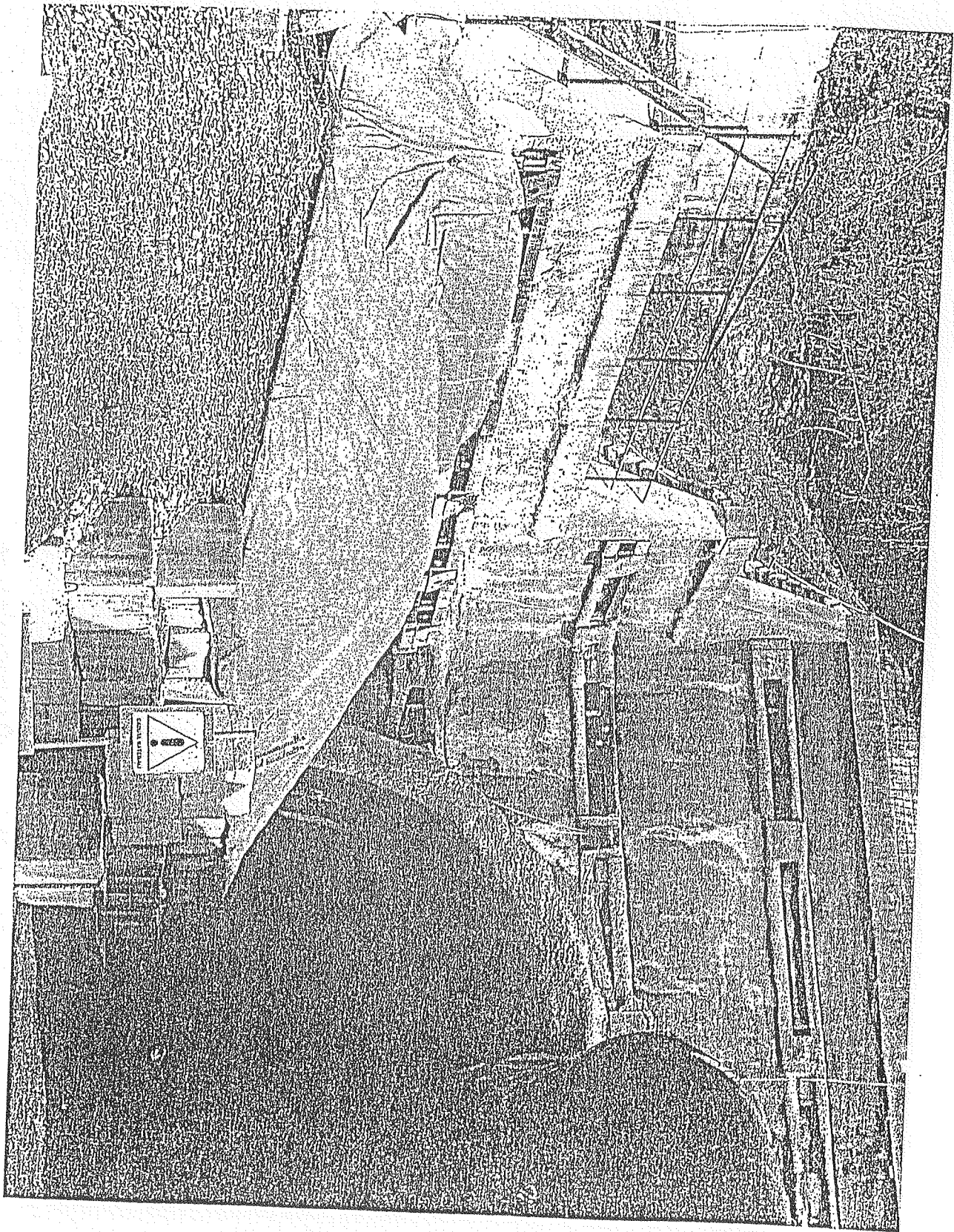
ALLEGATO 5

Foto









ALLEGATO 6

1.1 Schermate delle deformate e delle sollecitazioni

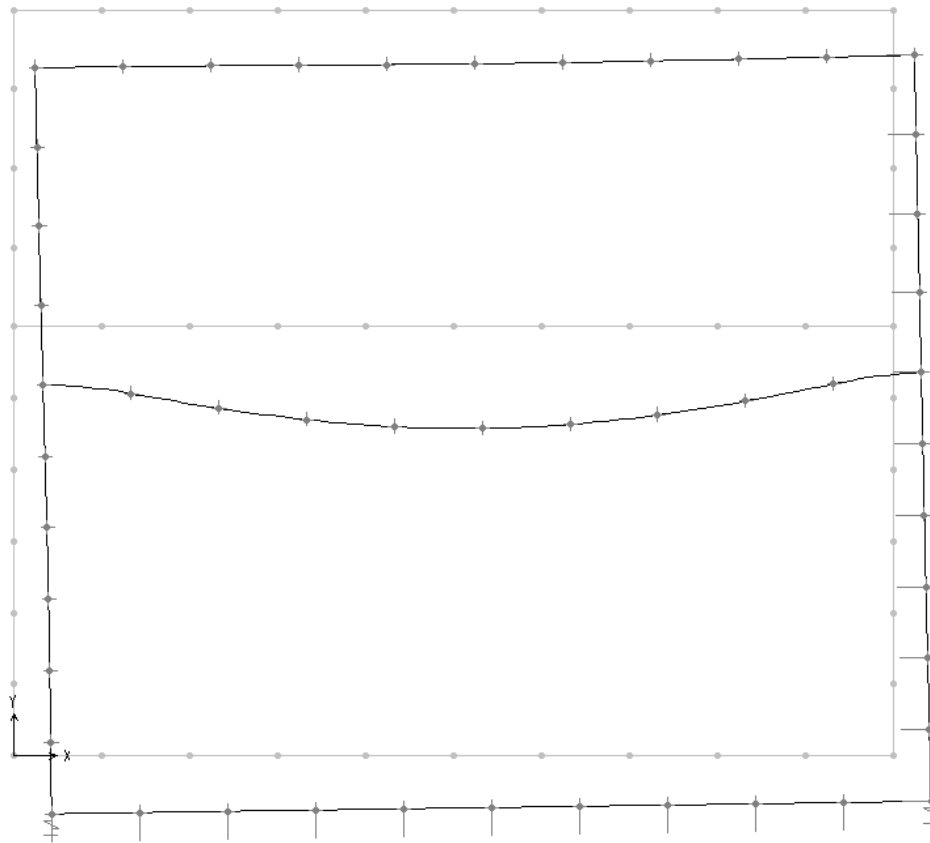


Figura 1- COMBO 1 – Deformata della struttura

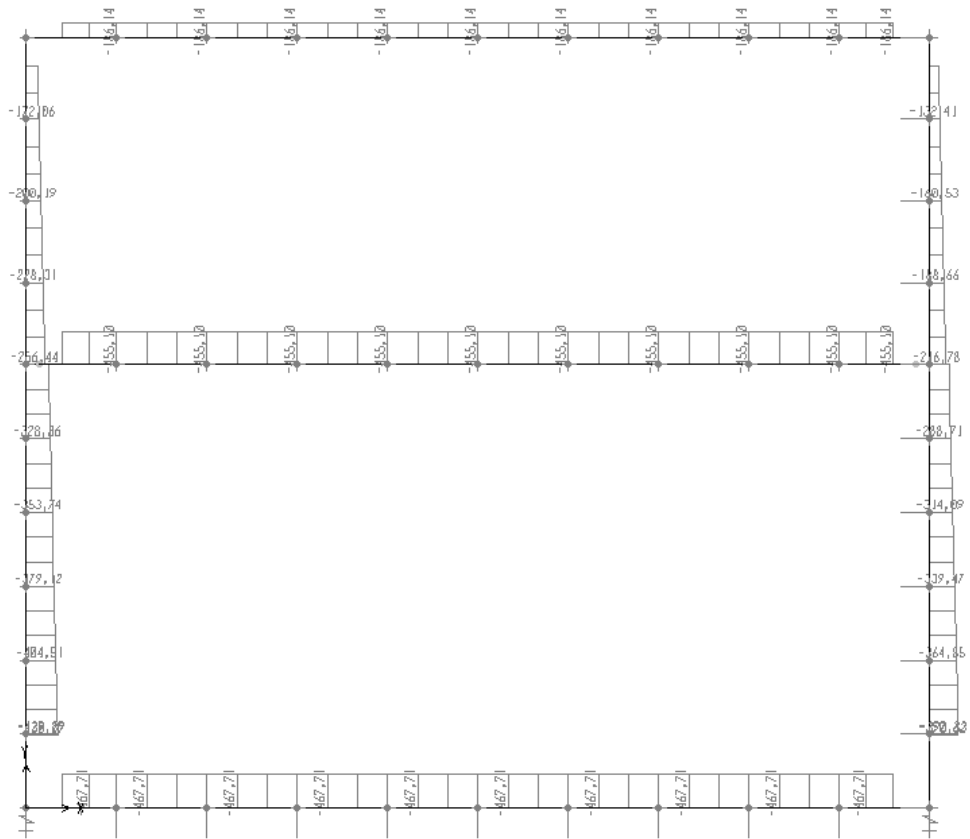


Figura 2- COMBO 1 – Sollecitazione Assiale

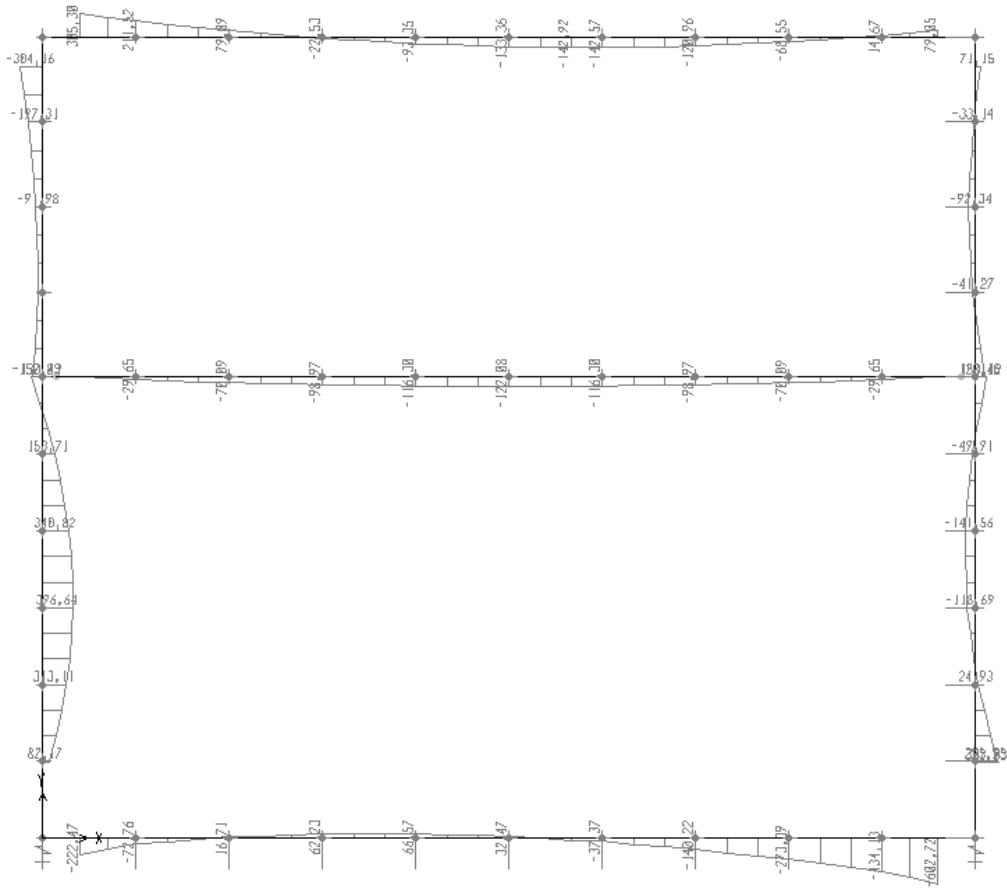


Figura 3- COMBO 1 – Momento flettente

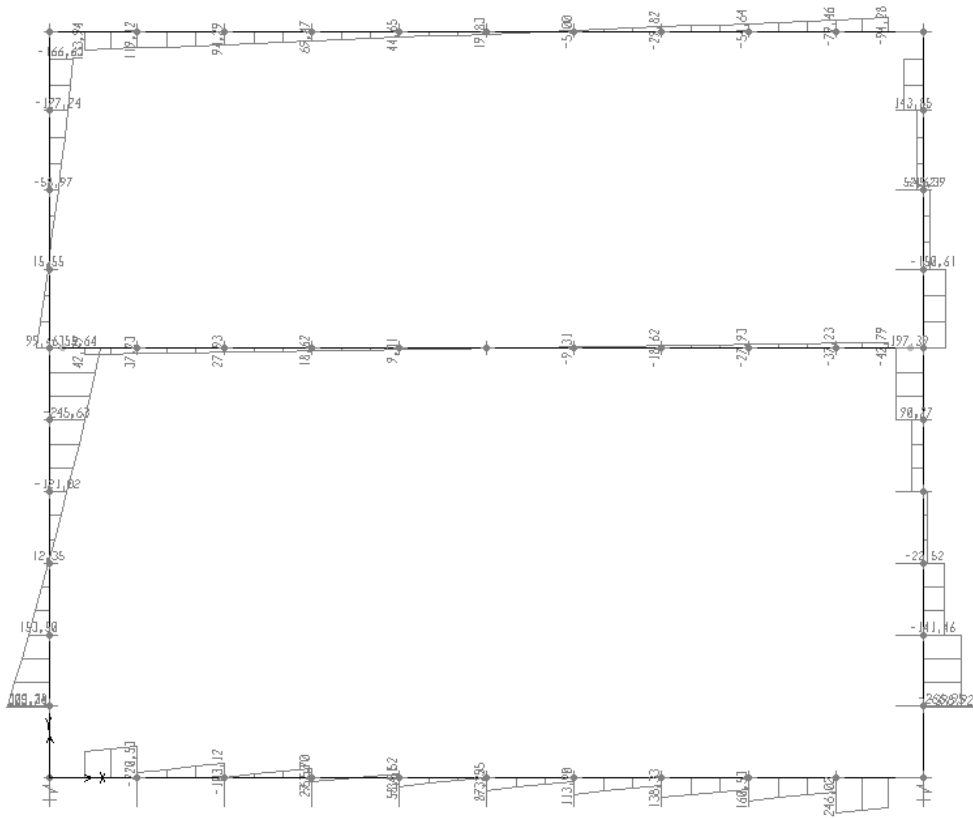


Figura 4- COMBO 1 – Sollecitazione di taglio

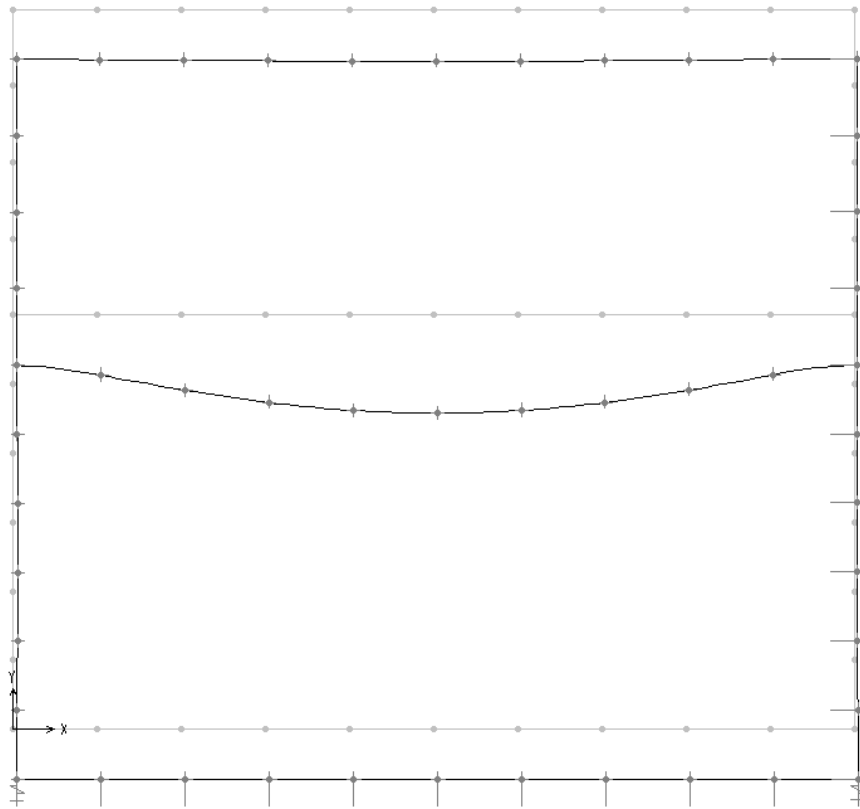


Figura 5- COMBO 2 – Deformata della struttura

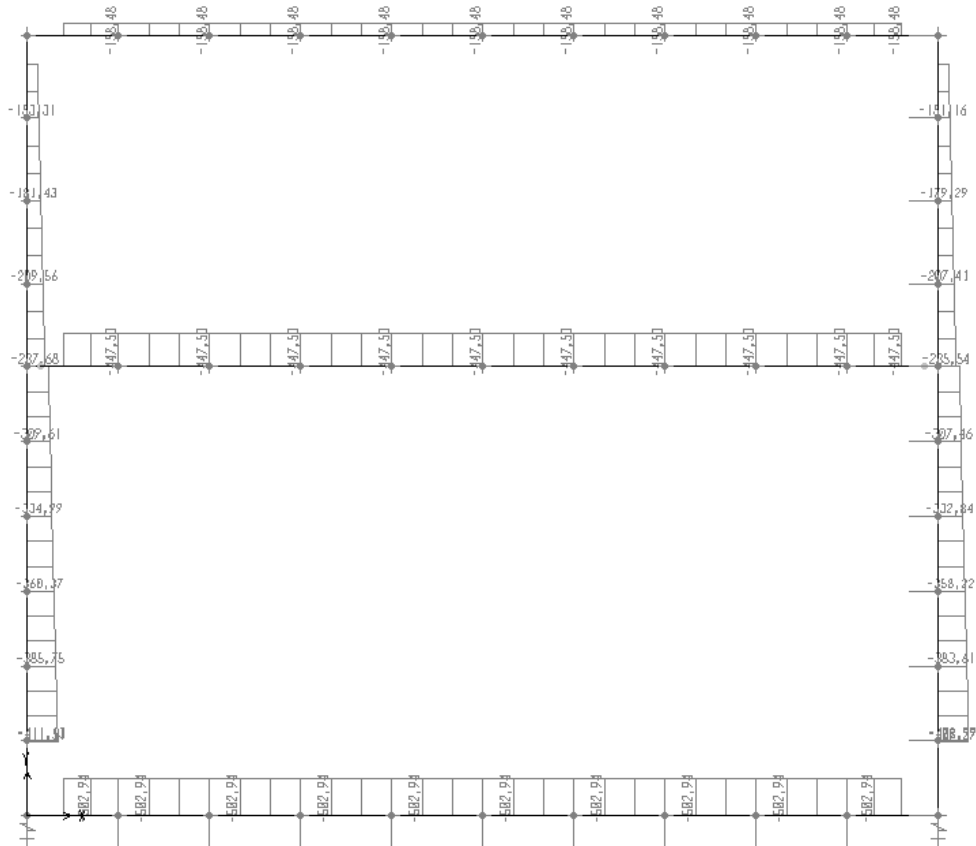


Figura 6- COMBO 2 – Sollecitazione Assiale

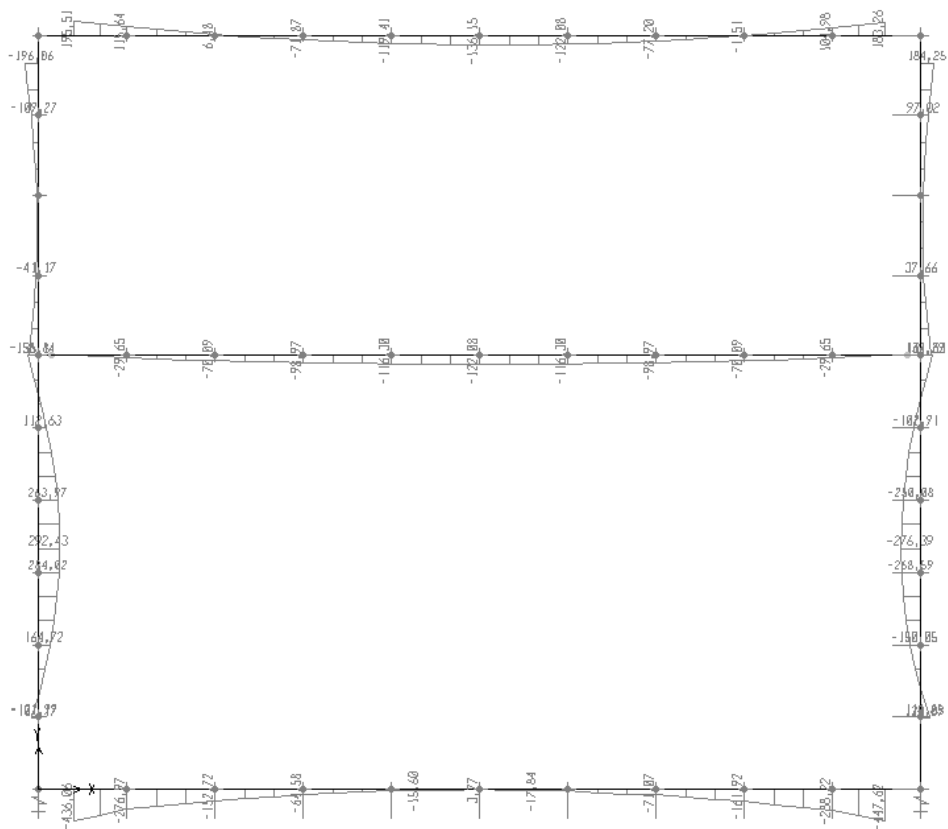


Figura 7- COMBO 2 – Momento Flettente

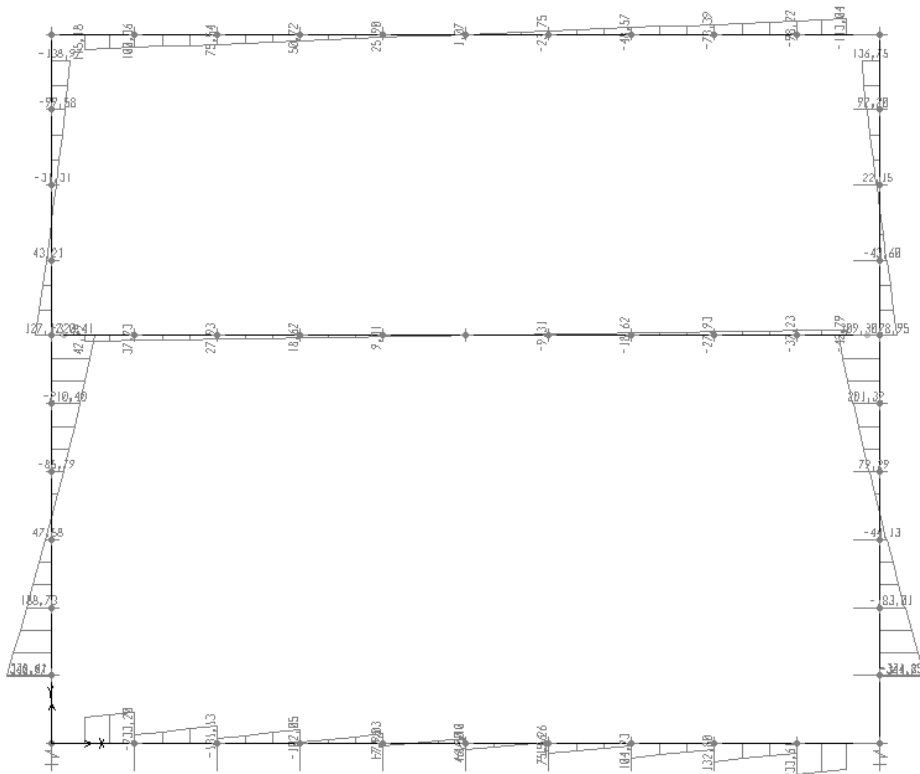


Figura 8- COMBO 2 – Sollecitazione di Taglio

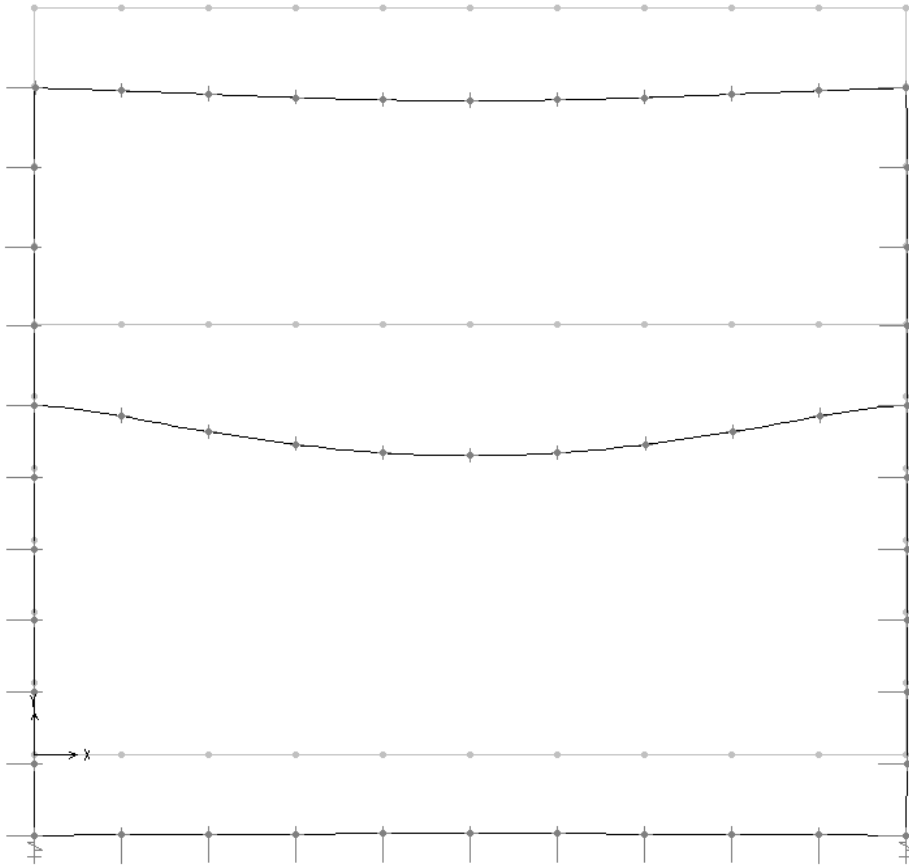


Figura 9- COMBO 3 – Deformata della struttura

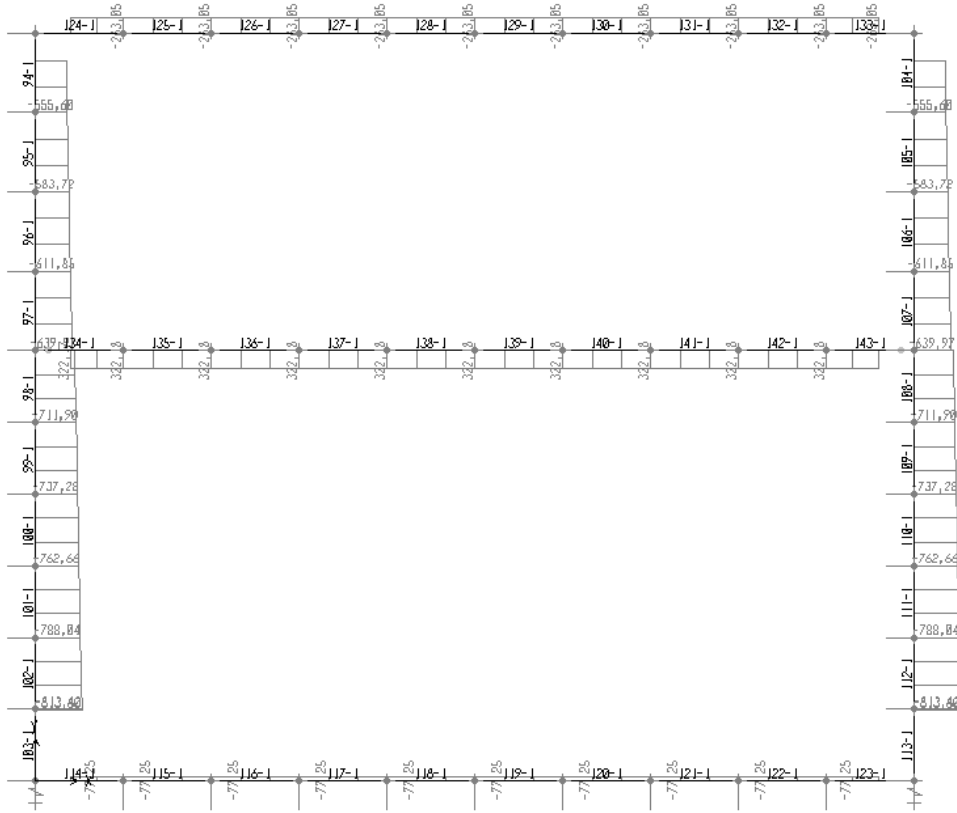


Figura 10- COMBO 3 – Sollecitazione Assiale

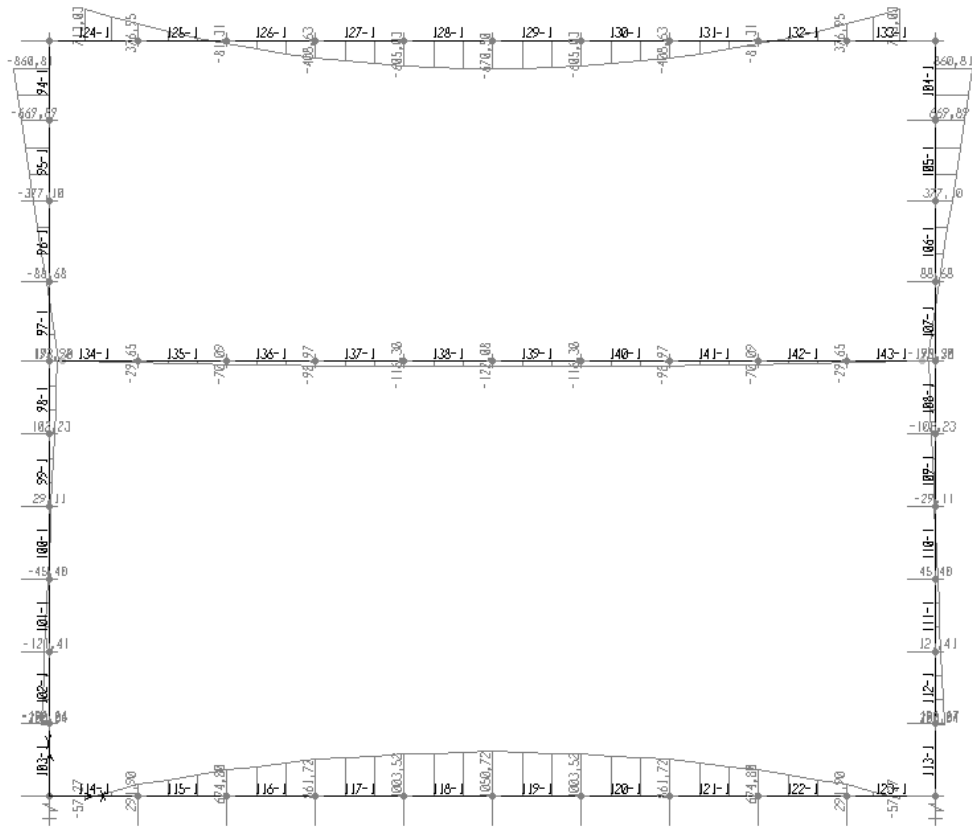


Figura 11- COMBO 3 – Momento Flettente

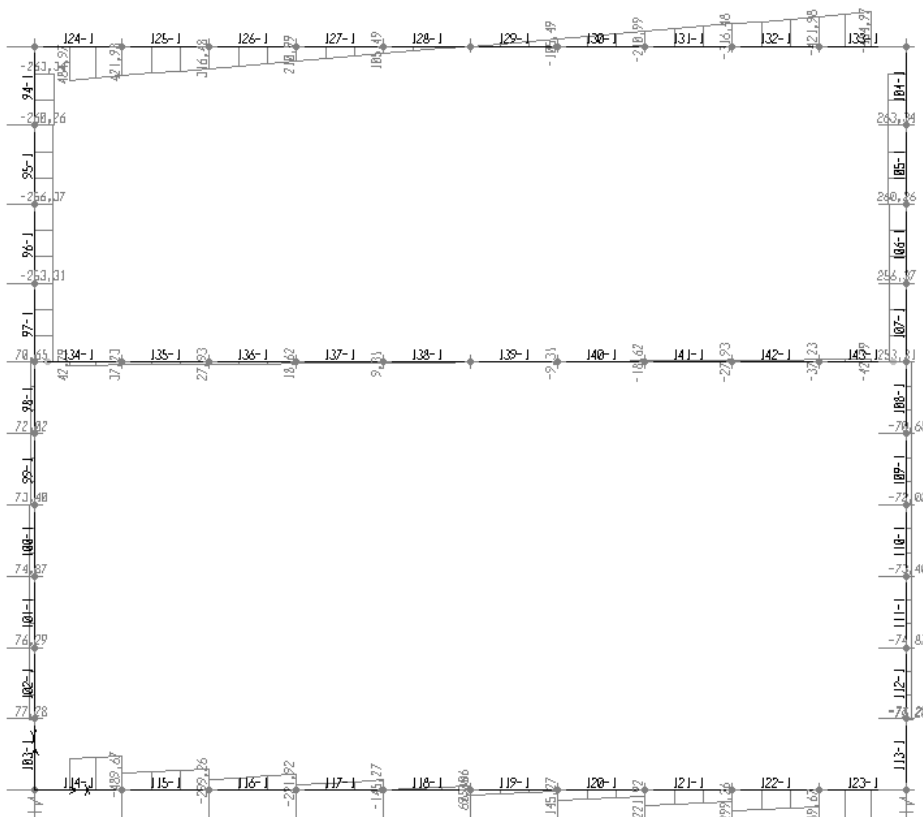


Figura 12- COMBO 3 – Sollecitazione di Taglio

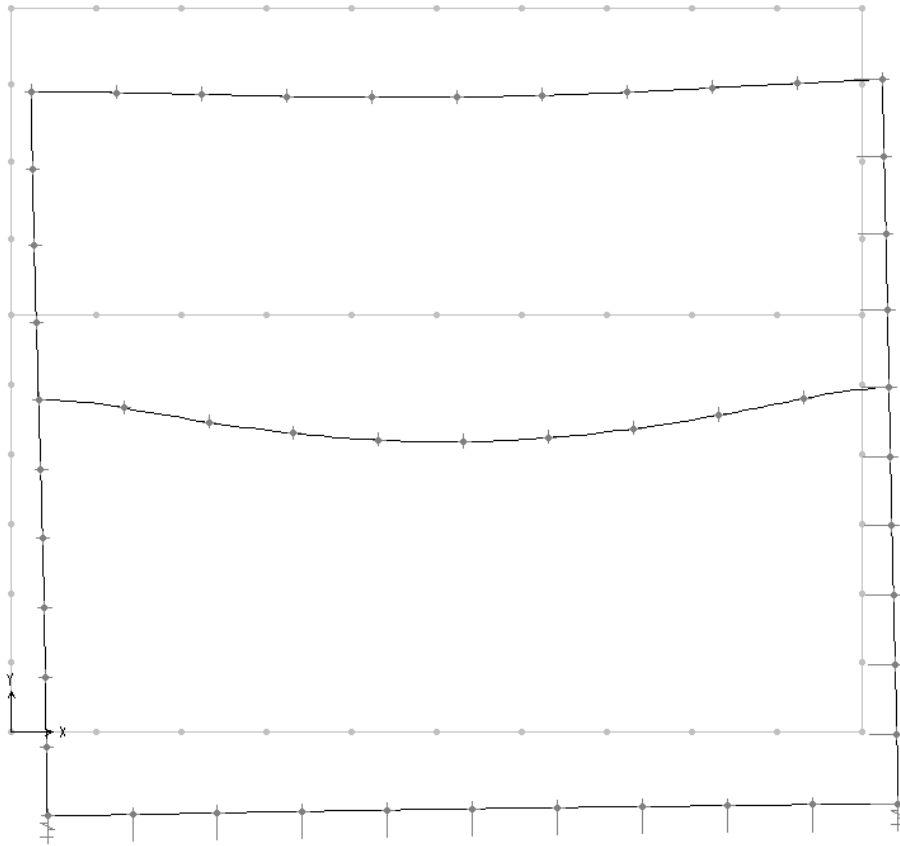


Figura 13- COMBO 4 – Deformata della struttura

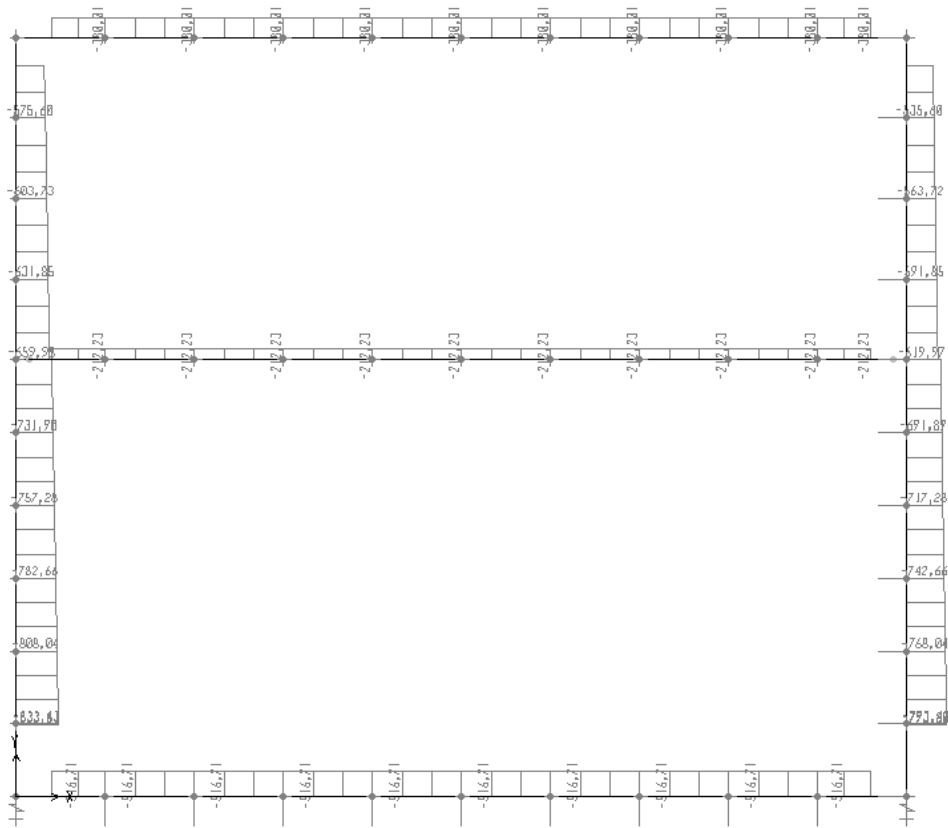


Figura 14- COMBO 4 – Sollecitazione Assiale

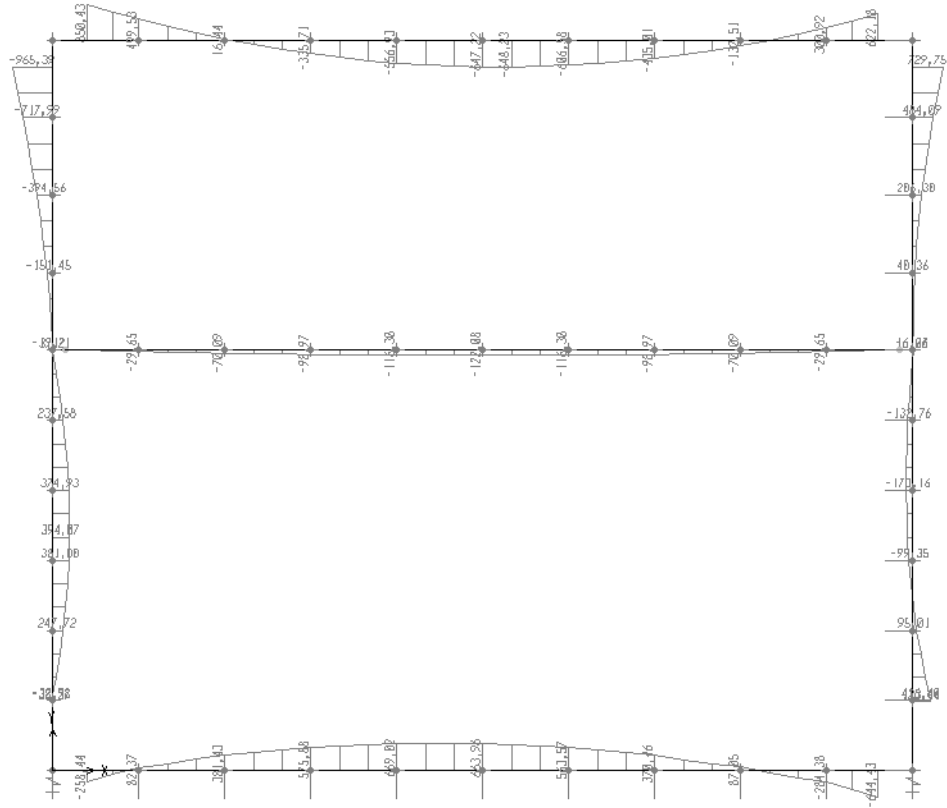


Figura 15- COMBO 4 – Momento Flettente

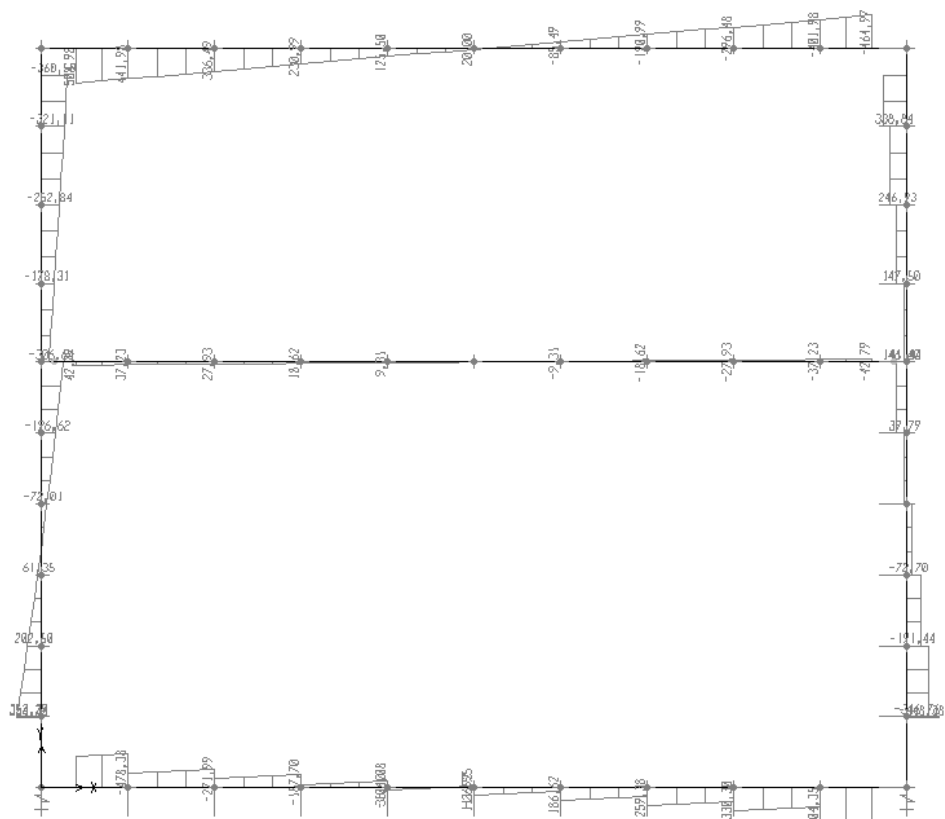


Figura 16- COMBO 4 – Sollecitazione di Taglio

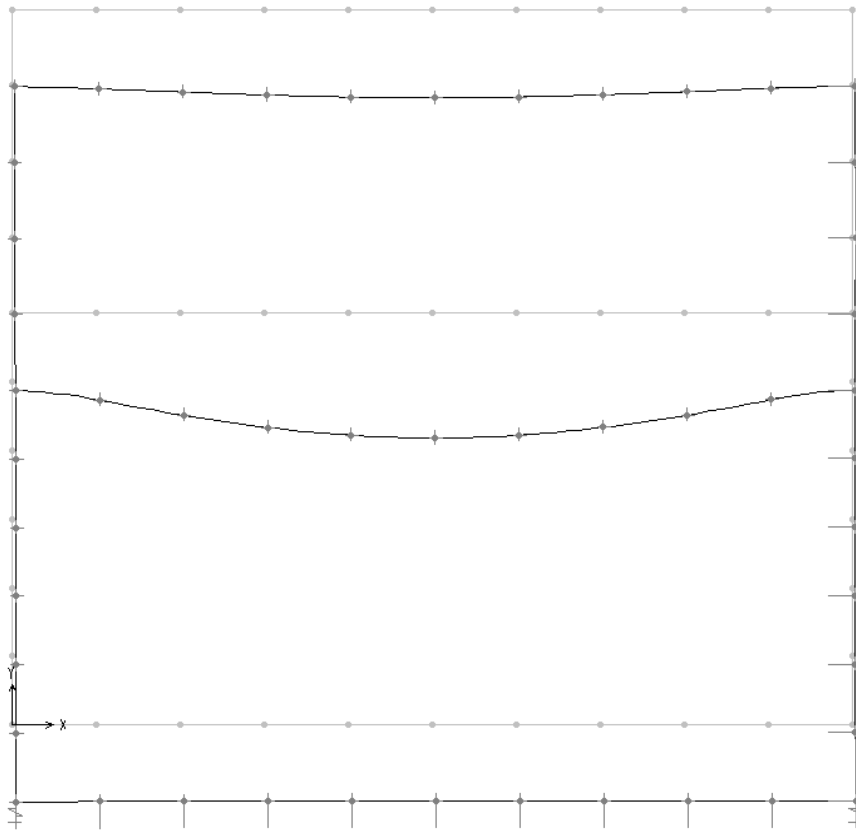


Figura 17- COMBO 5 – Deformata della struttura

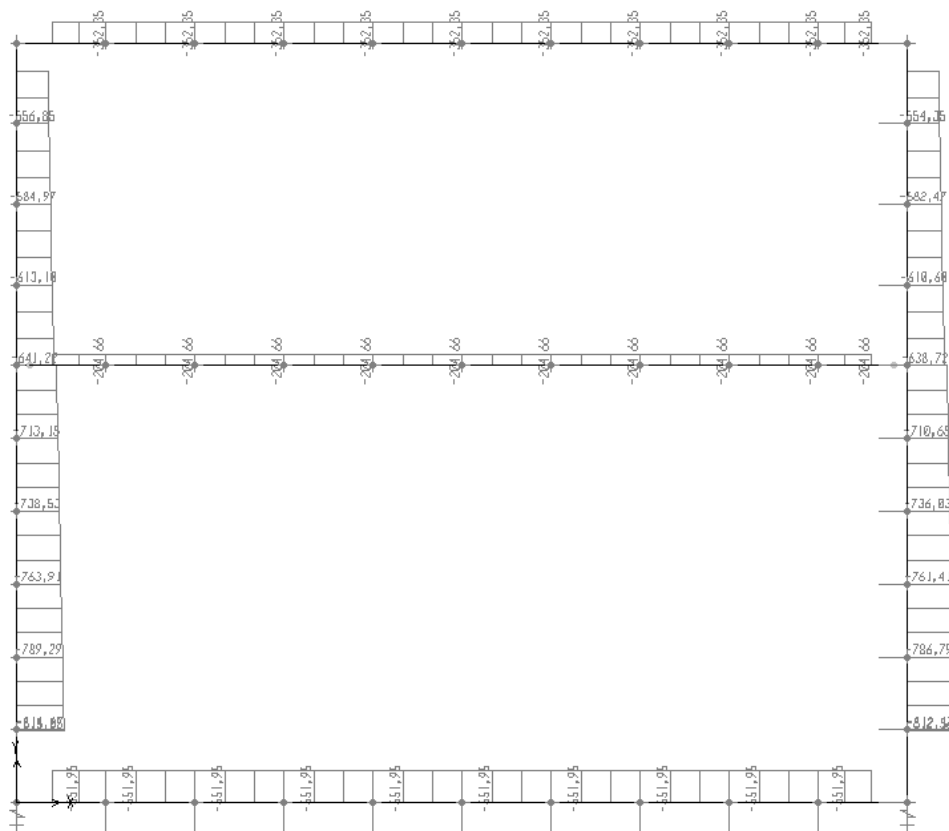


Figura 18- COMBO 5 – Sollecitazione Assiale

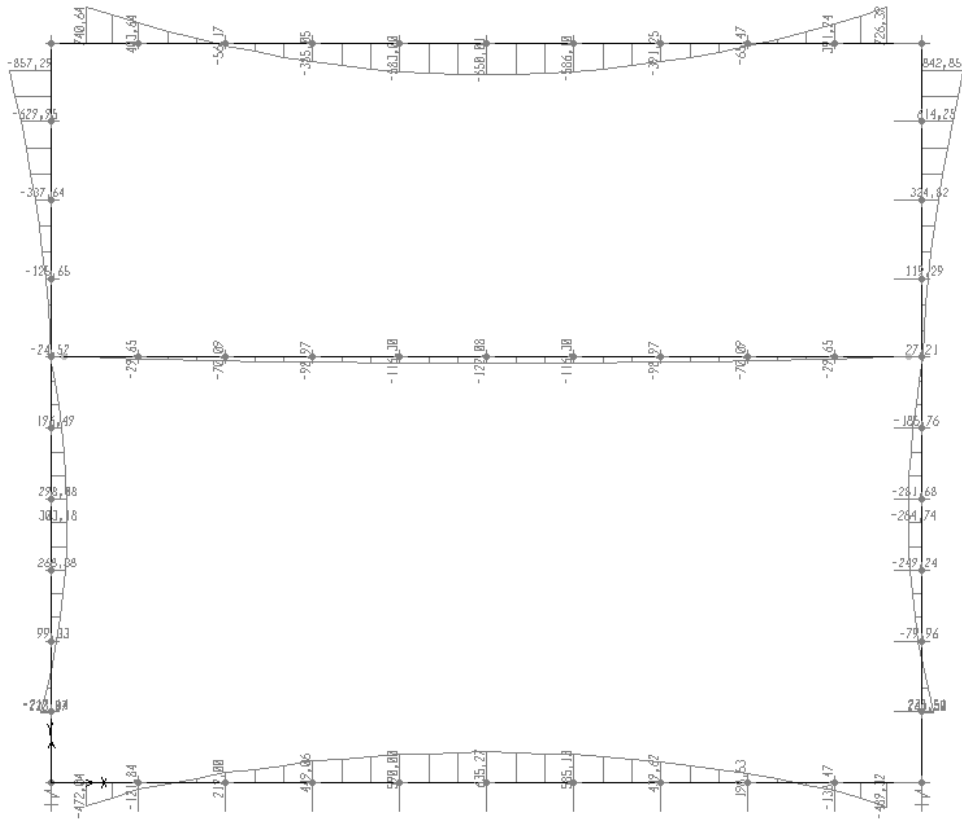


Figura 19- COMBO 5 – Momento Flettente

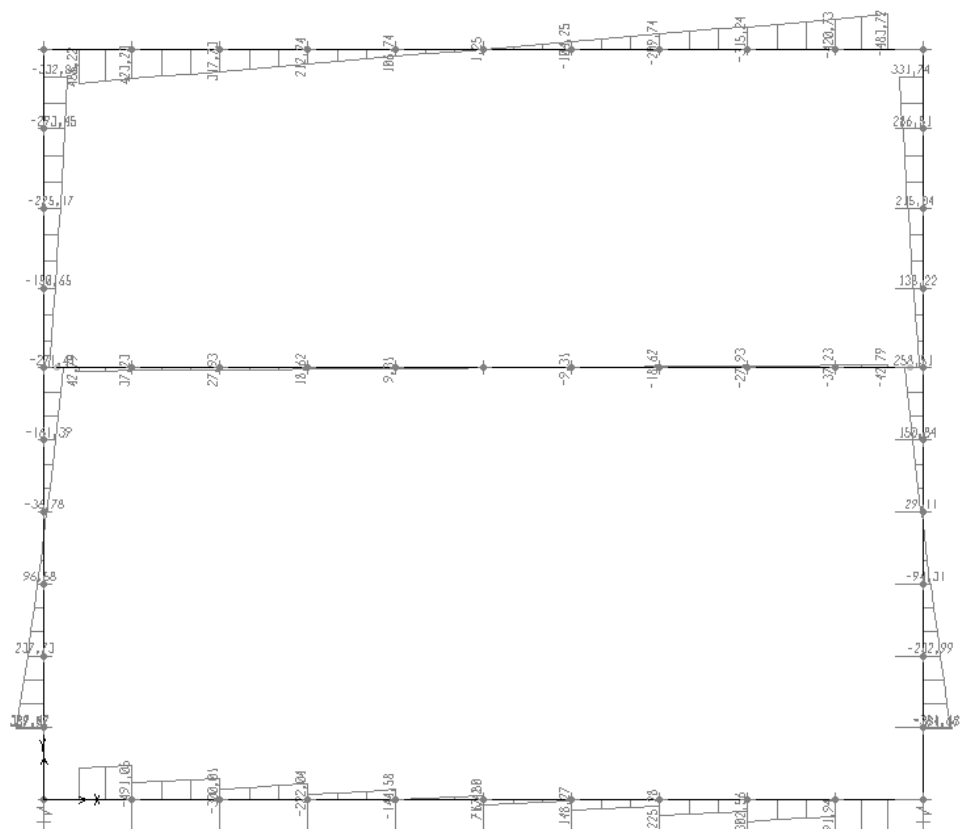


Figura 20- COMBO 5 – Sollecitazione di taglio

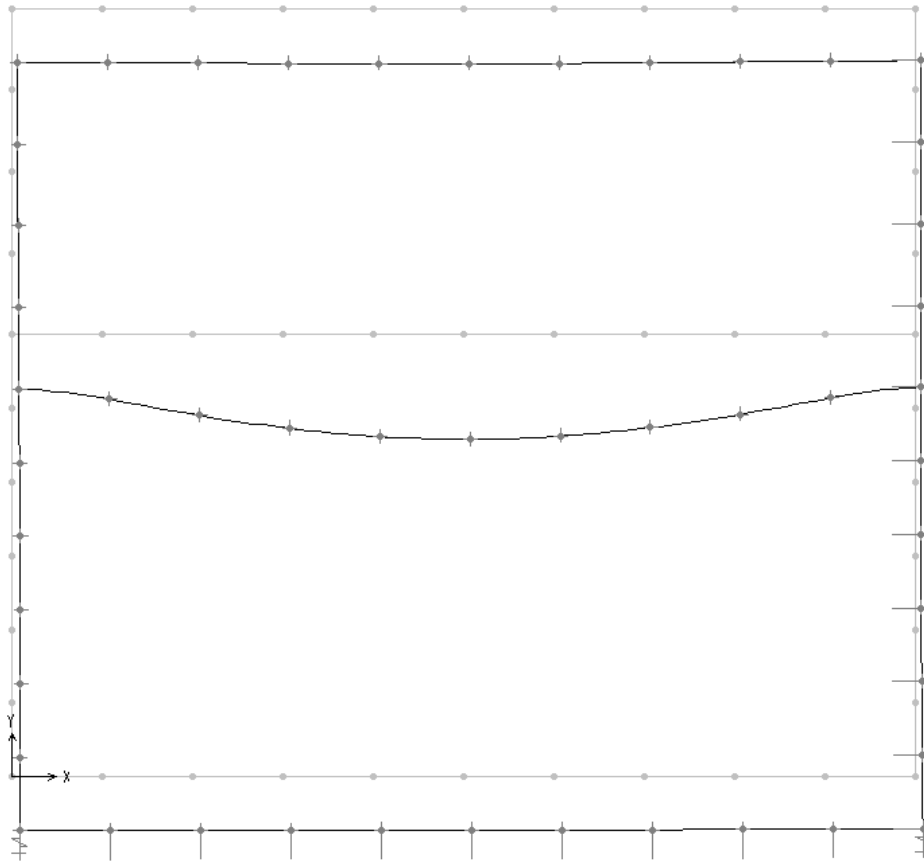


Figura 21- COMBO 6 – Deformata della struttura

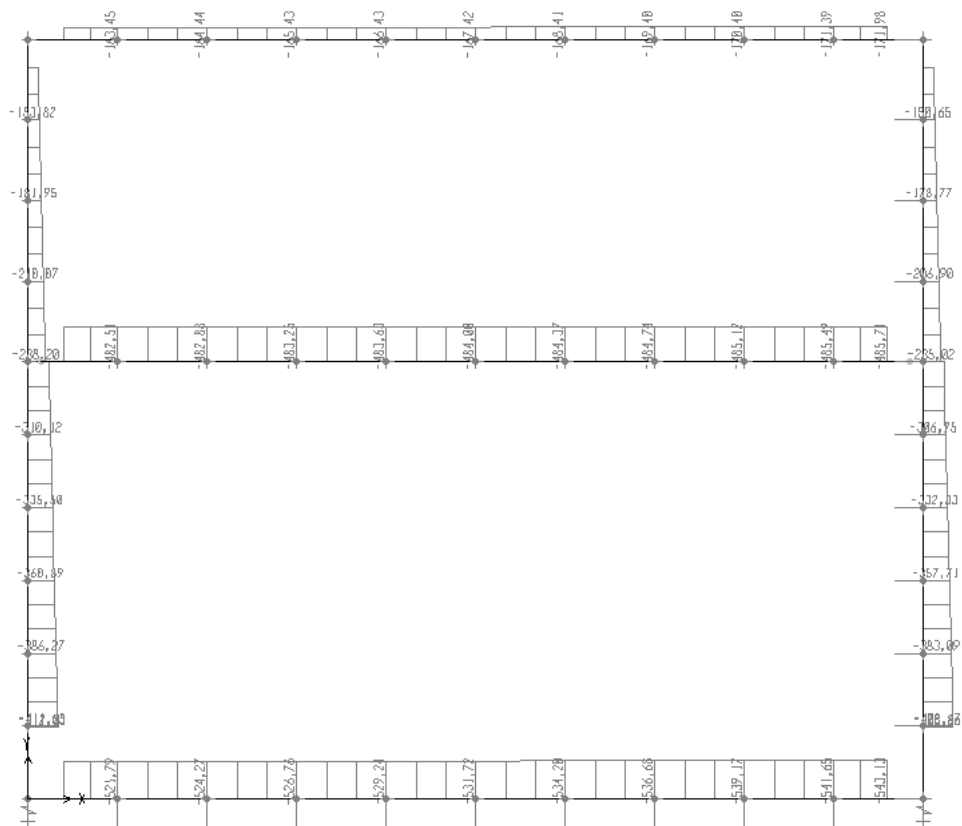


Figura 22- COMBO 6 – Sollecitazione Assiale

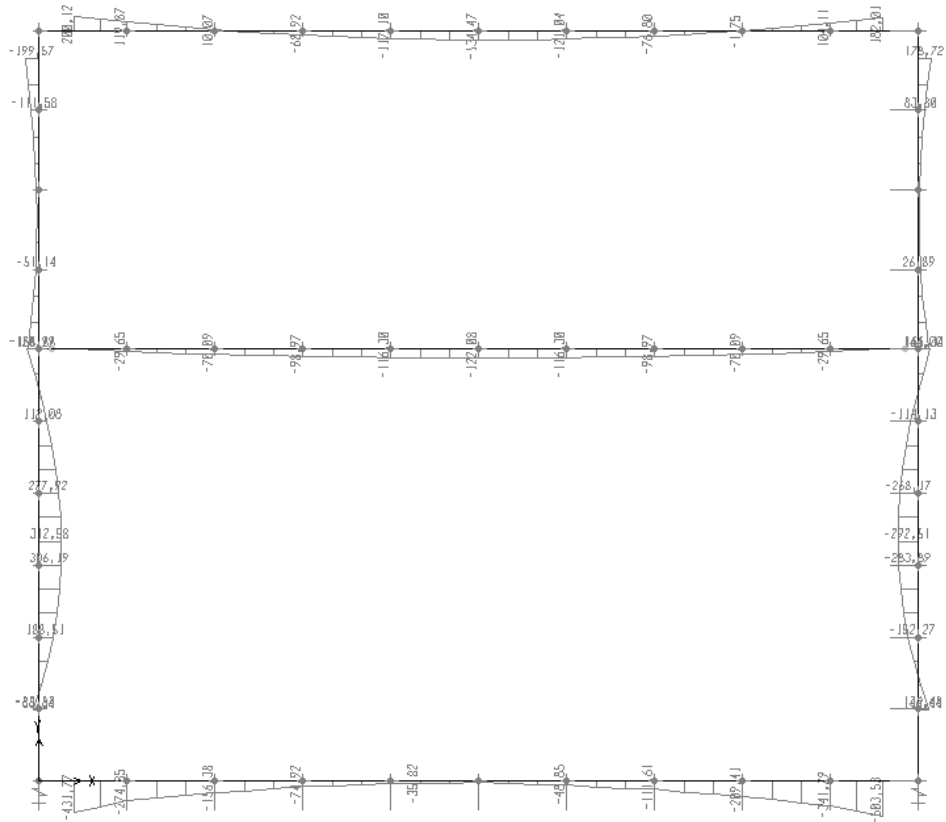


Figura 23- COMBO 6 – Momento Flettente

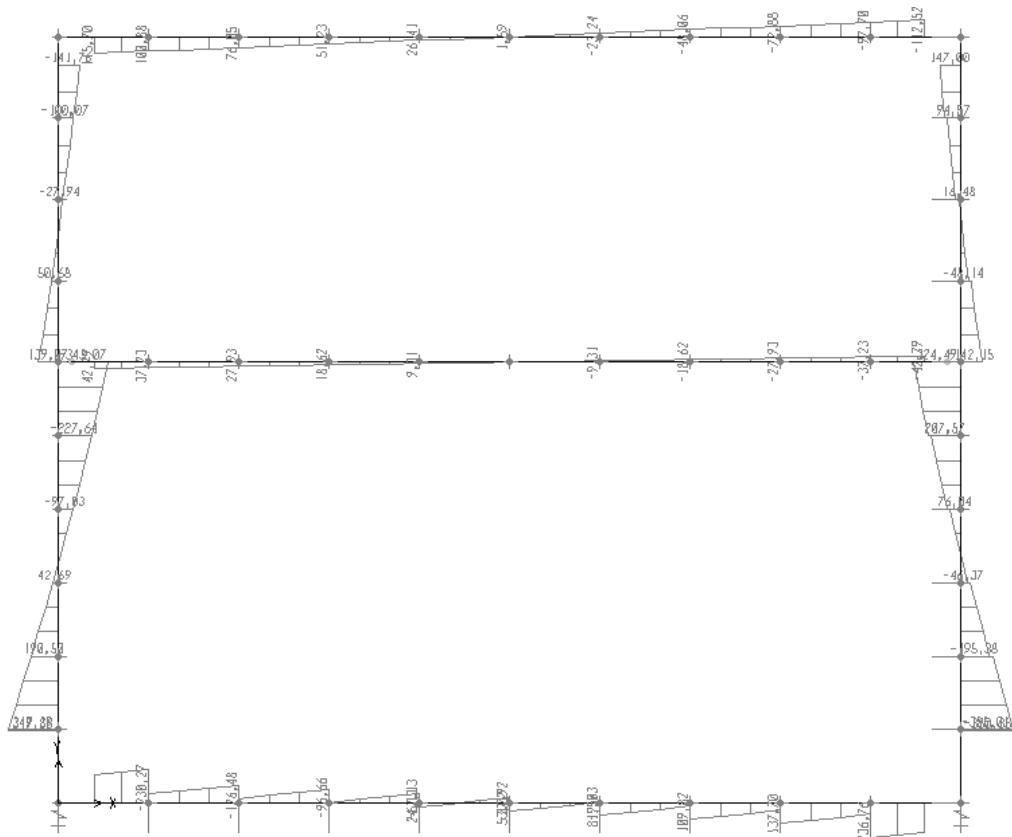


Figura 24- COMBO 6 – Sollecitazione di Taglio

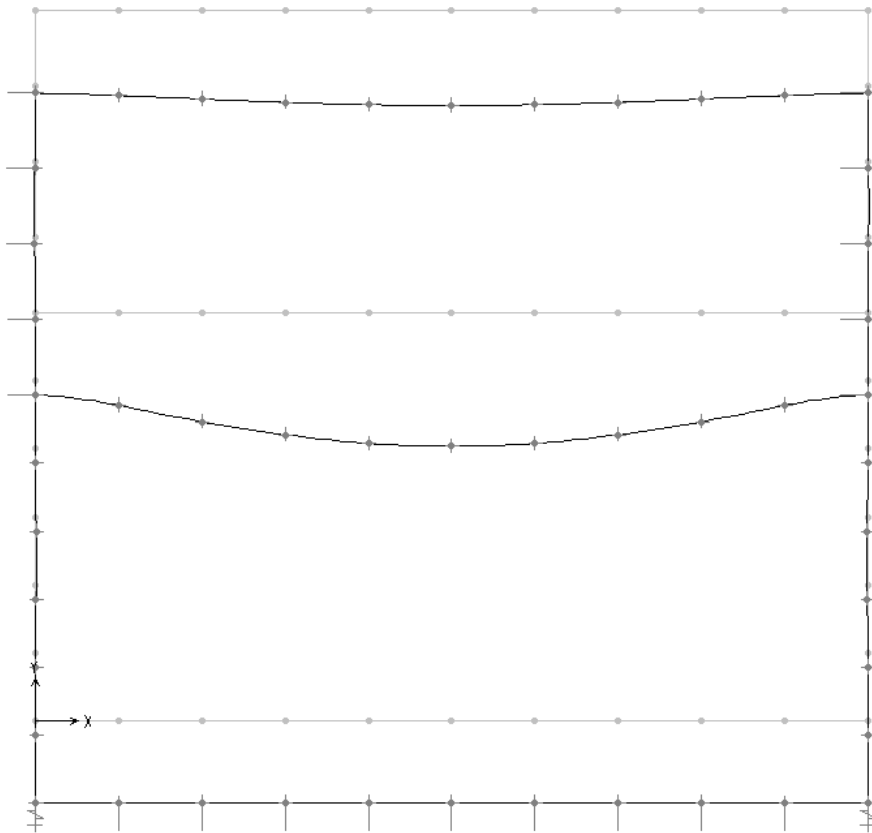


Figura 25- COMBO 7 – Deformata della struttura

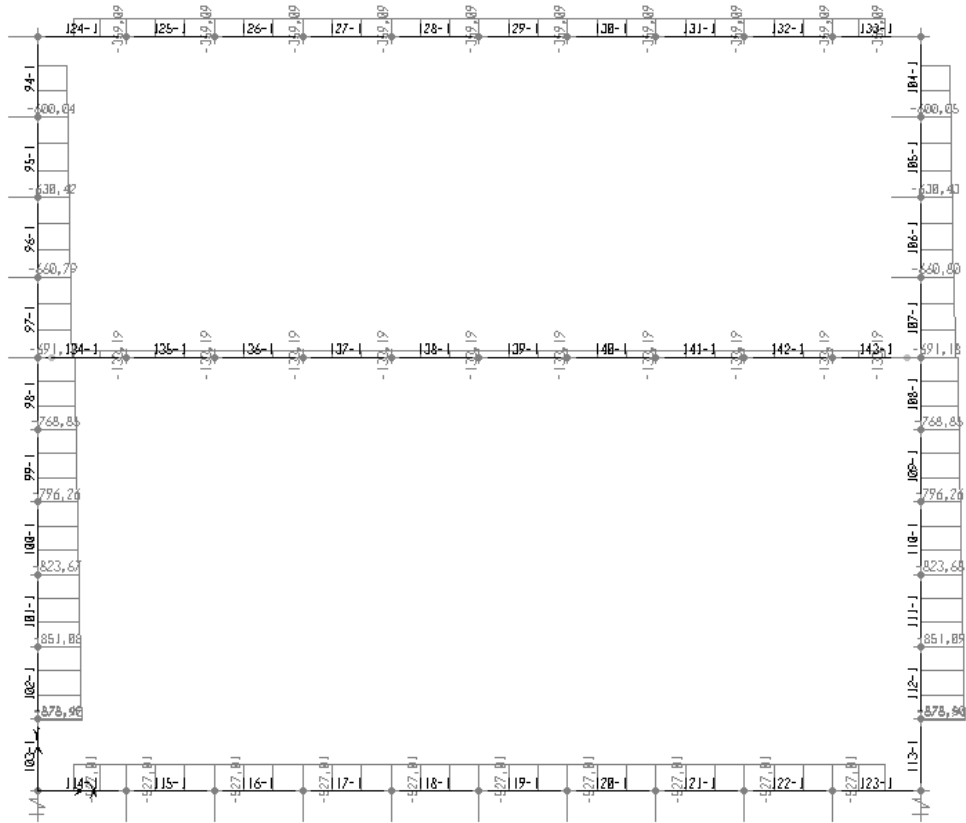


Figura 26- COMBO 7 – Sollecitazione Assiale

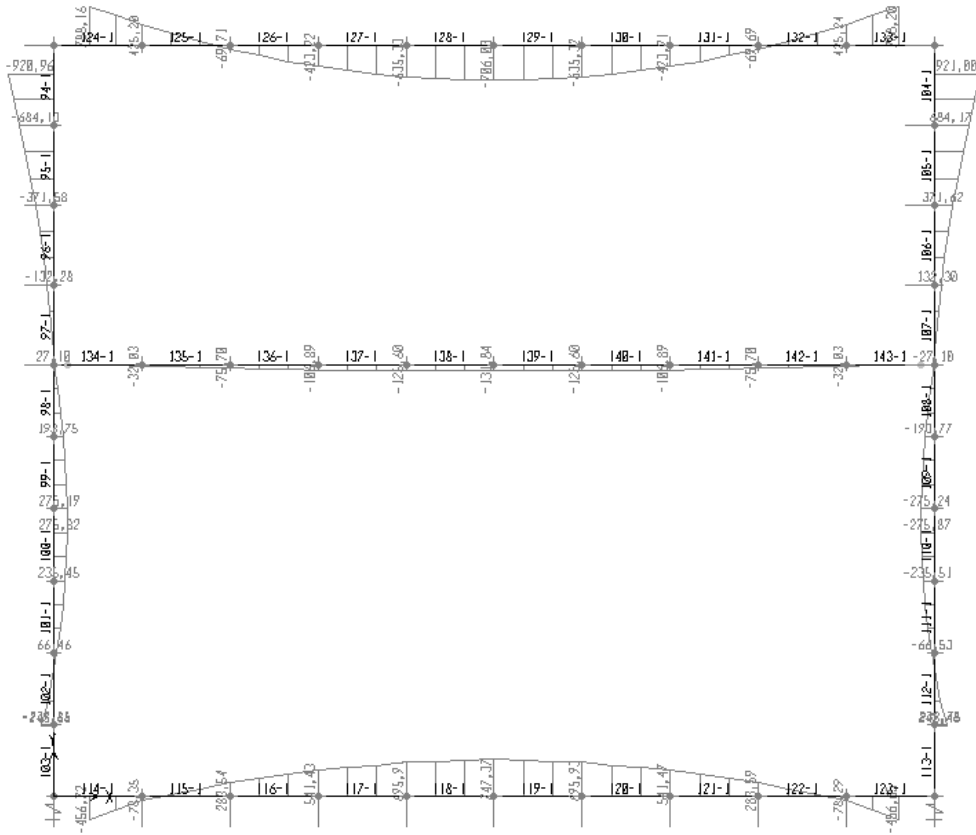


Figura 27- COMBO 7 – Momento Flettente

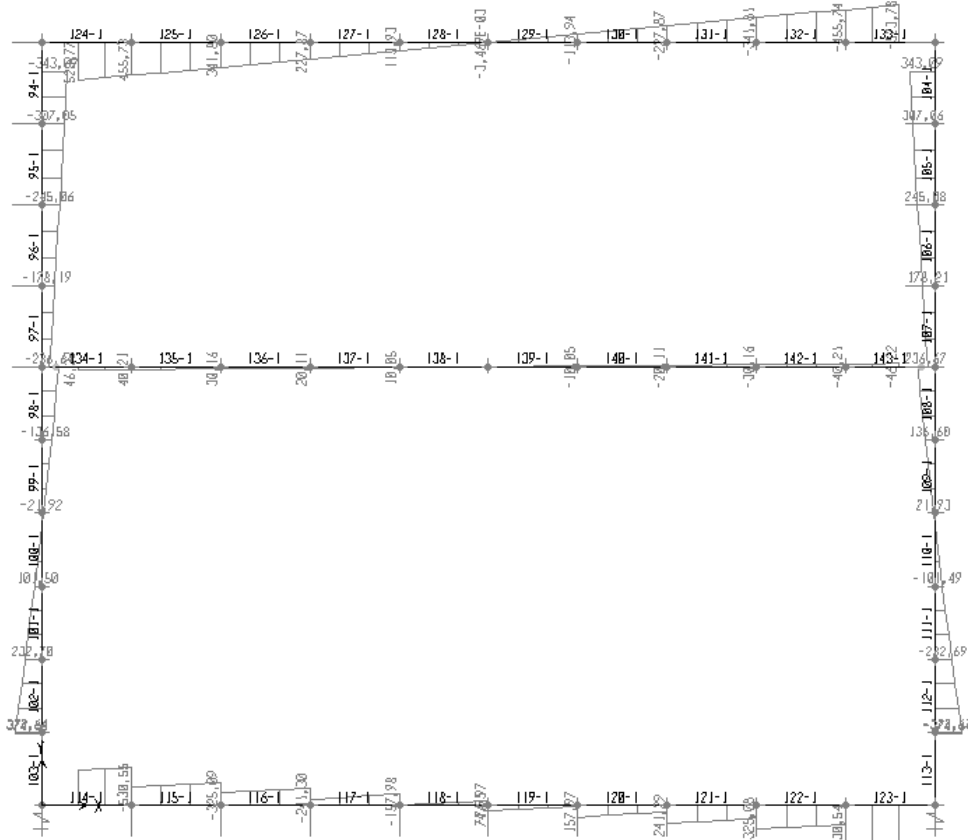


Figura 28- COMBO 7 – Sollecitazione di Taglio

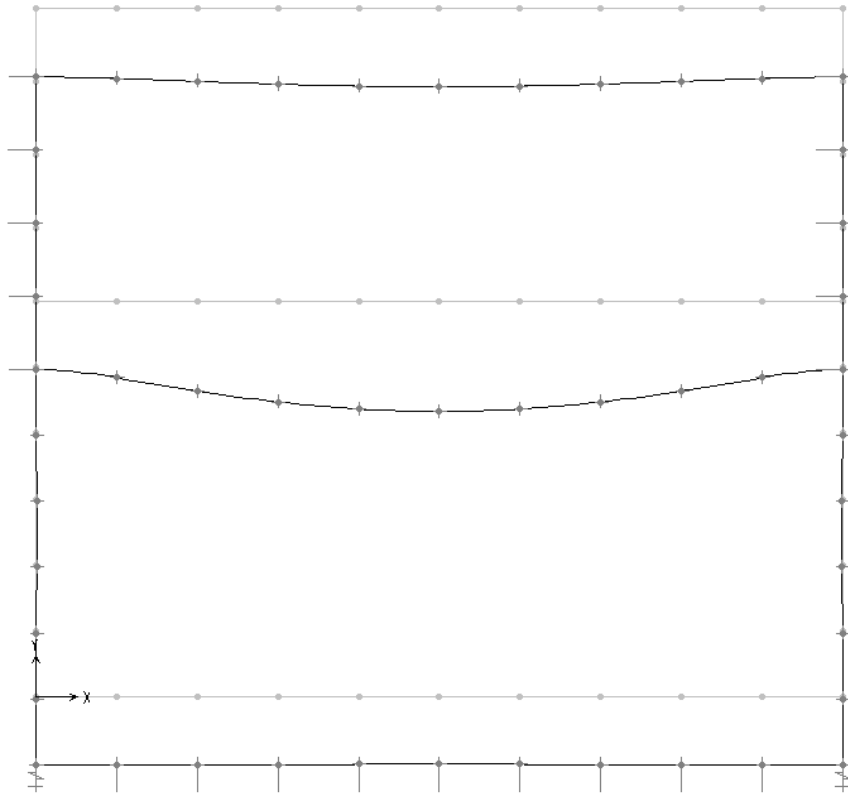


Figura 29- COMBO 7bis – Deformata della struttura

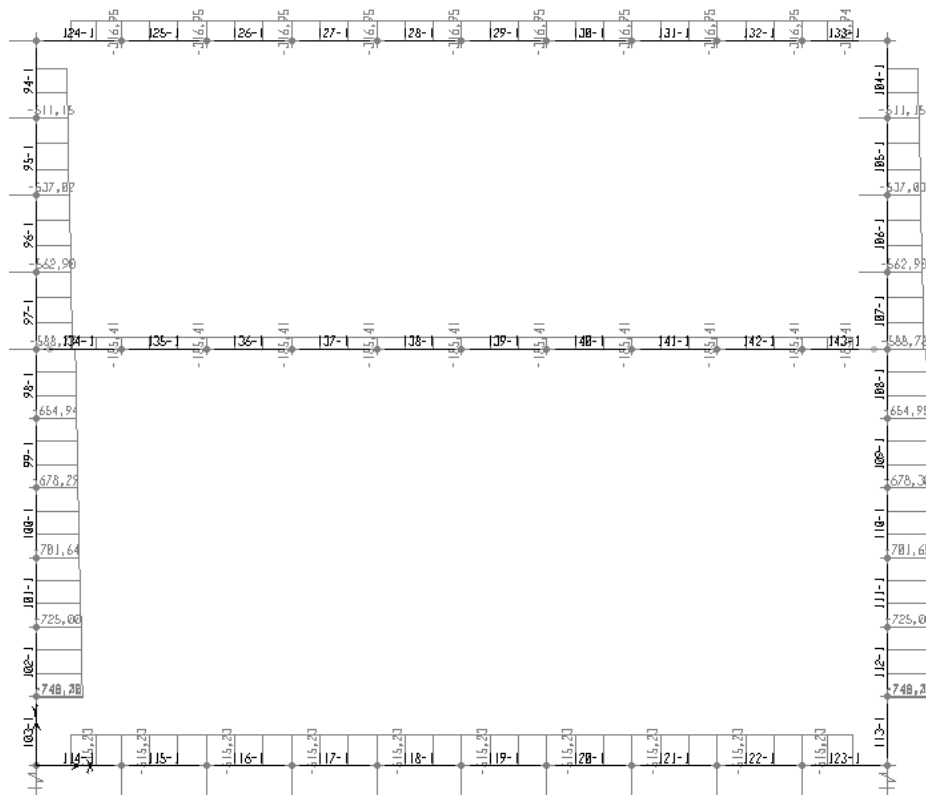


Figura 30- COMBO 7bis – Sollecitazione Assiale

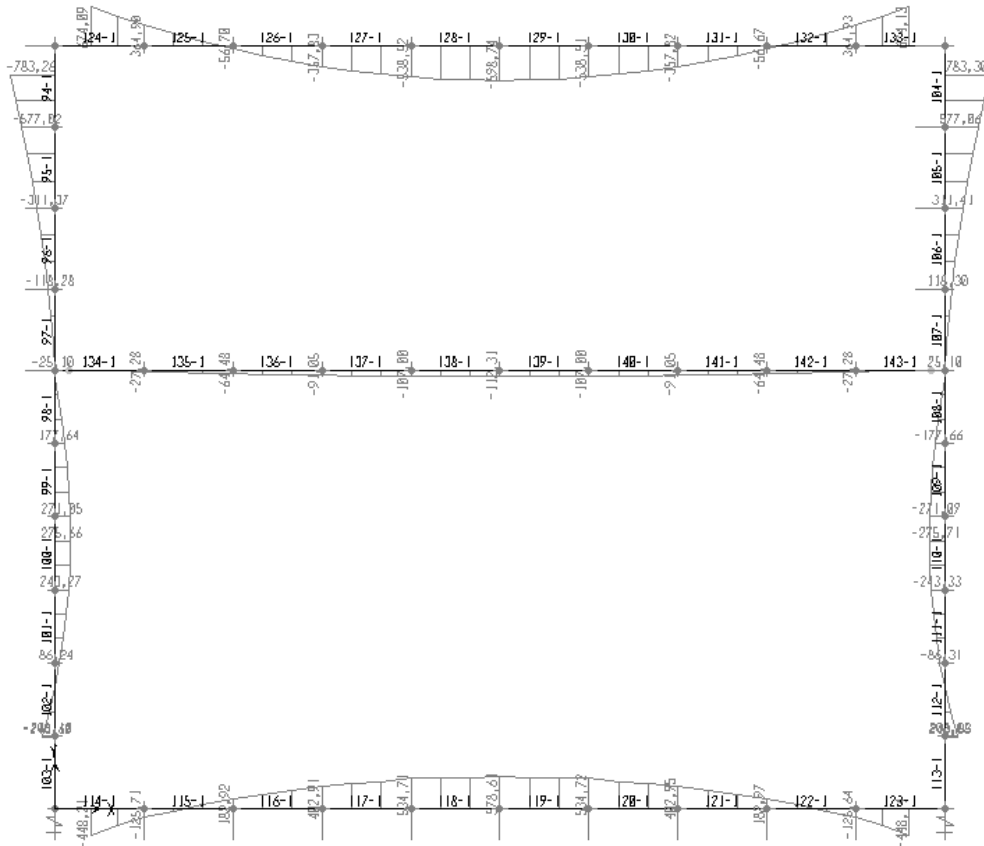


Figura 31- COMBO 7bis – momento Flettente

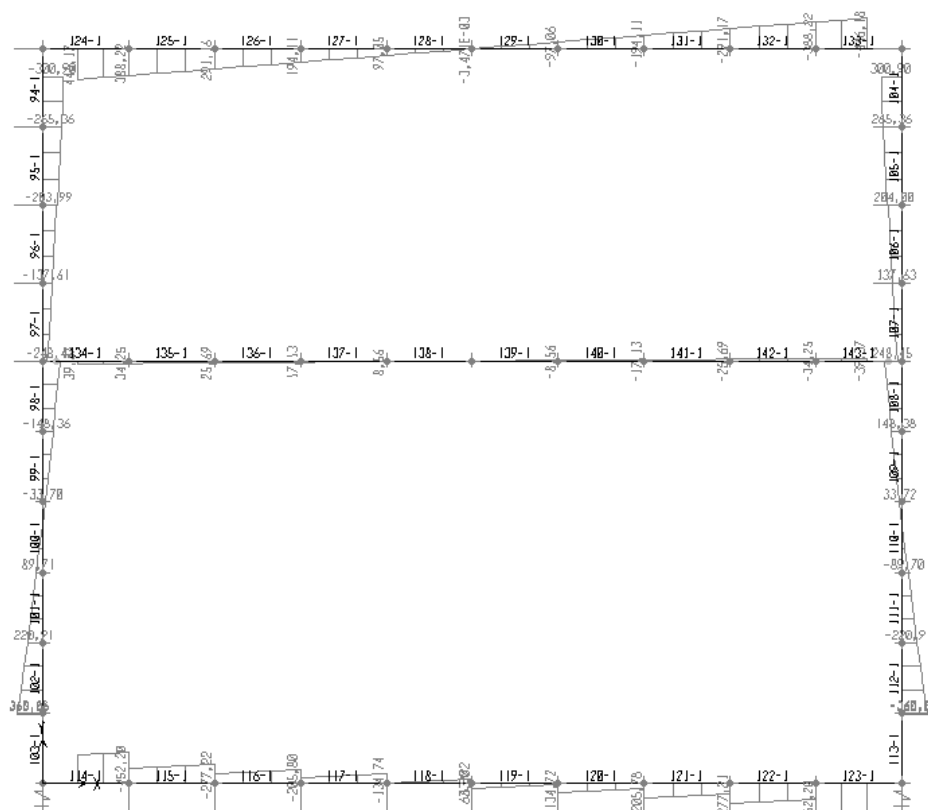


Figura 32- COMBO 7bis – Sollecitazione di taglio

COMBO 8

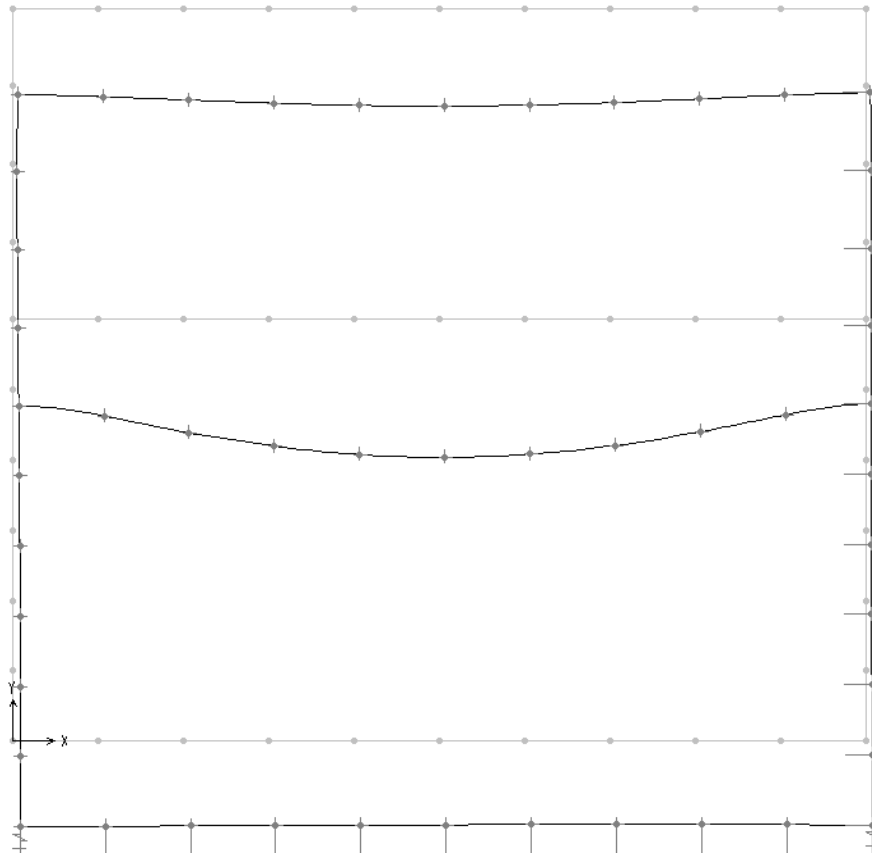


Figura 33- COMBO 8 – Deformata della struttura

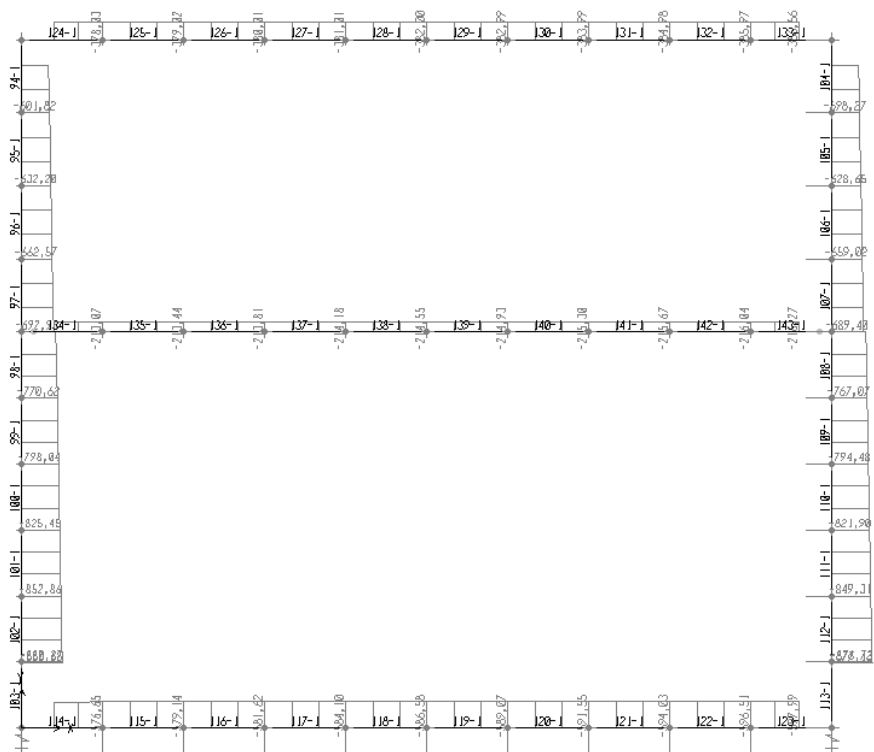


Figura 34- COMBO 8 – Sollecitazione Assiale

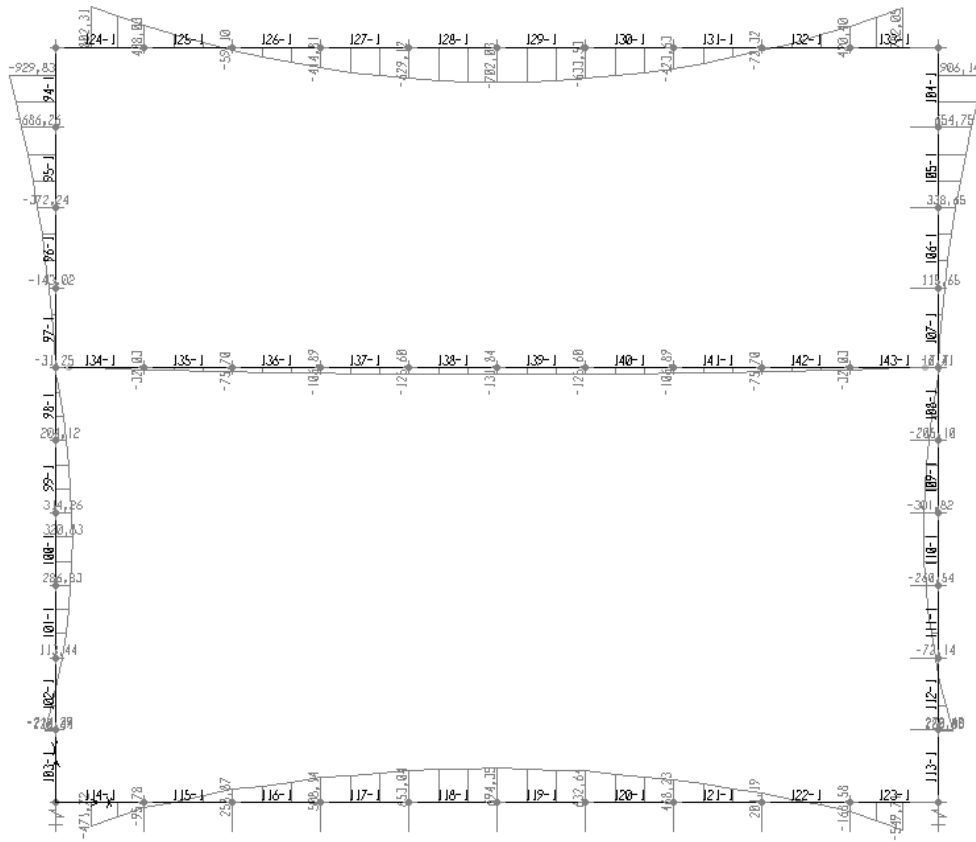


Figura 35- – Momento Flettente

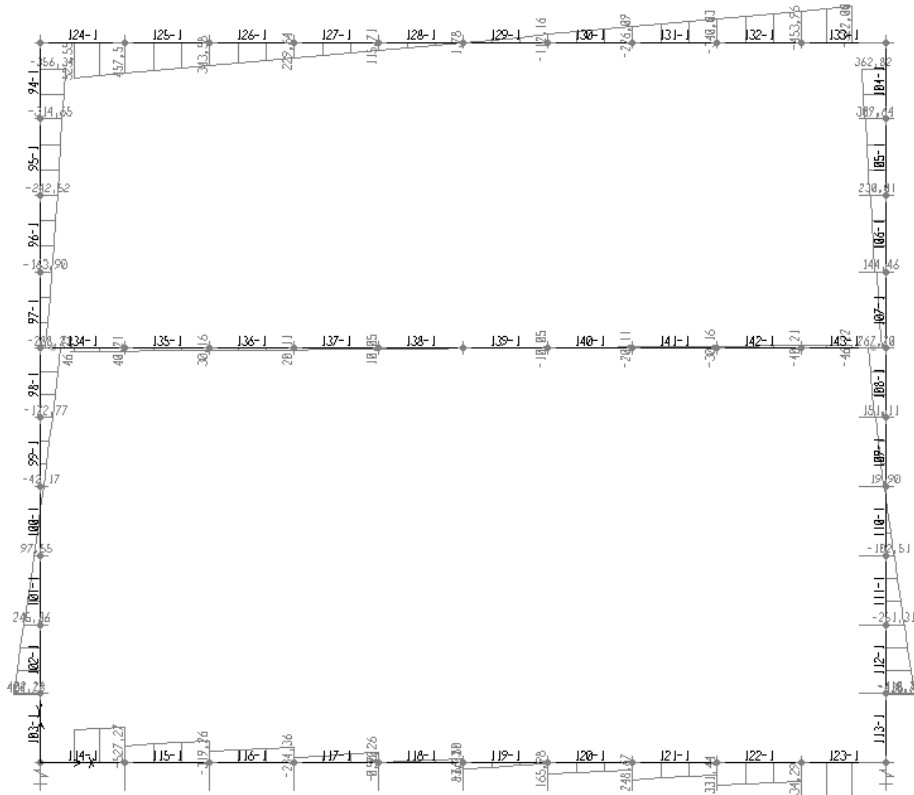


Figura 36- COMBO 8 – Sollecitazione di taglio

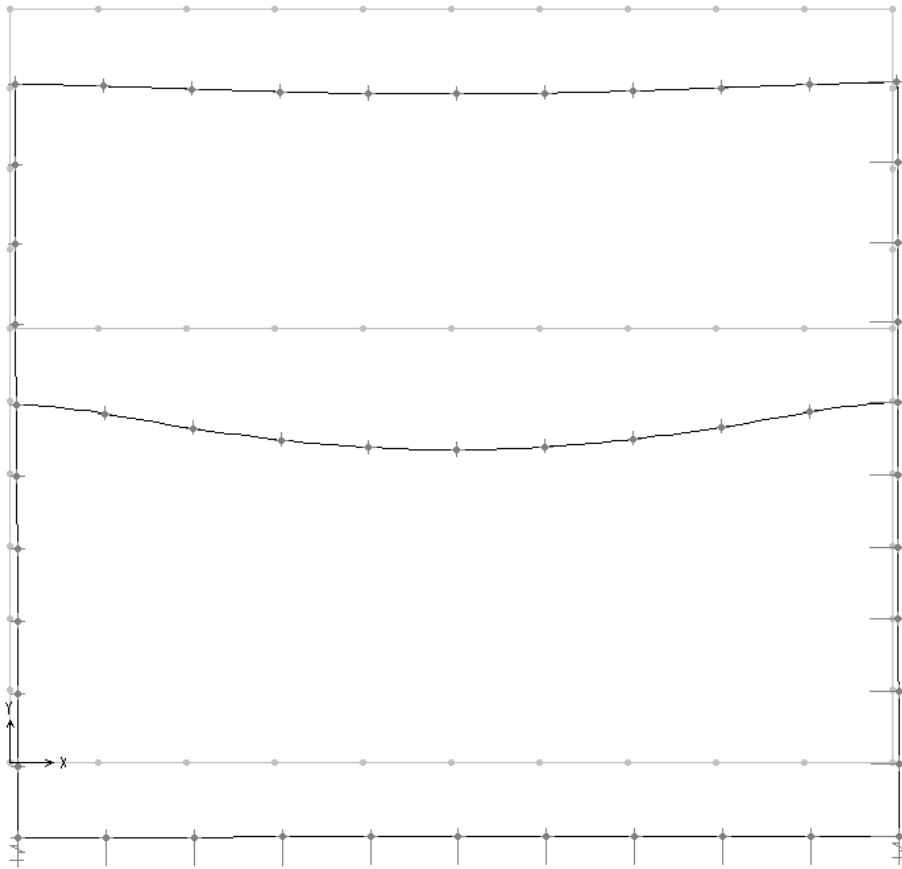


Figura 37- COMBO 8bis – Deformata della struttura

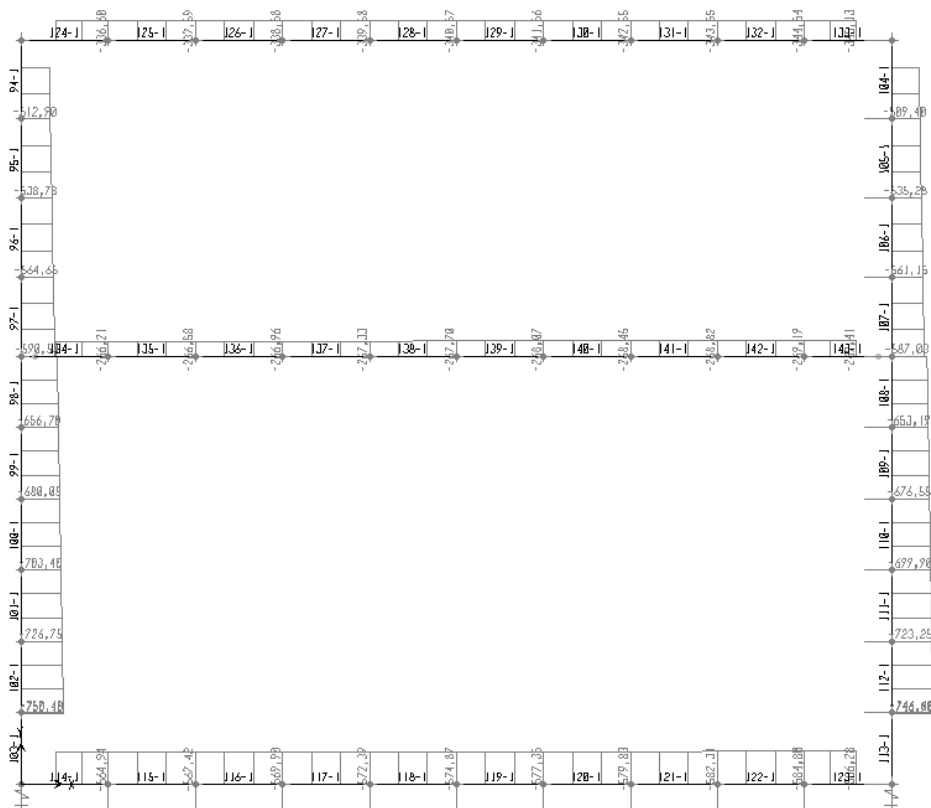


Figura 38- COMBO 8bis – Sollecitazione Assiale

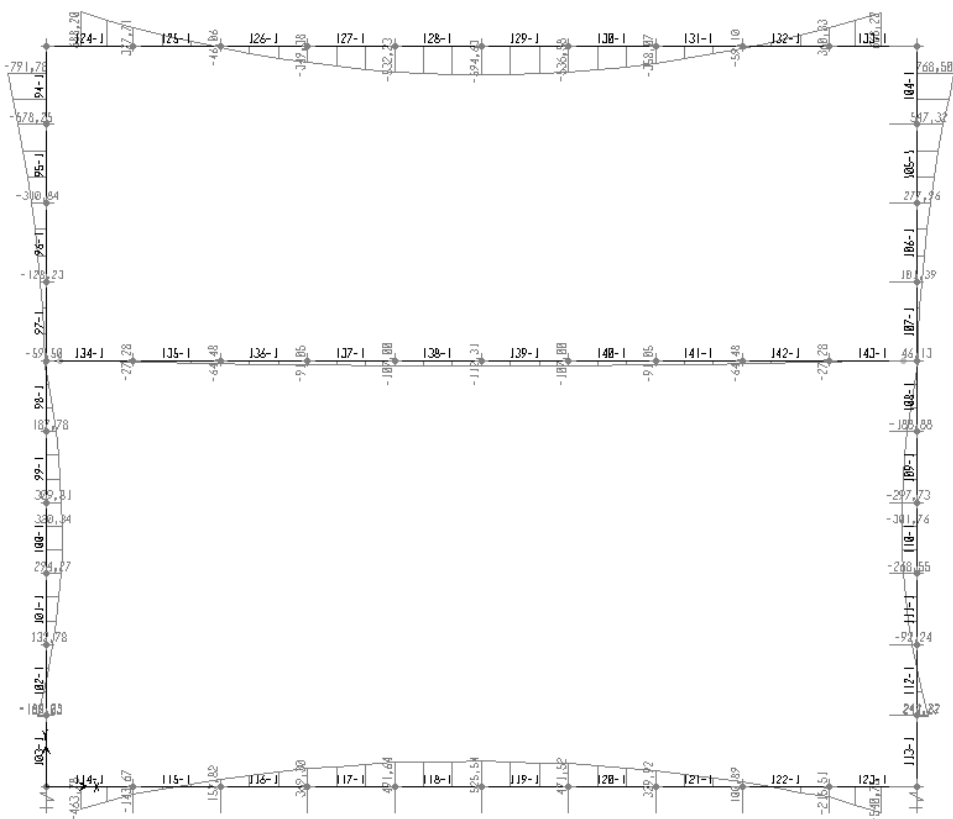


Figura 39-COMBO 8bis – Momento Flettente

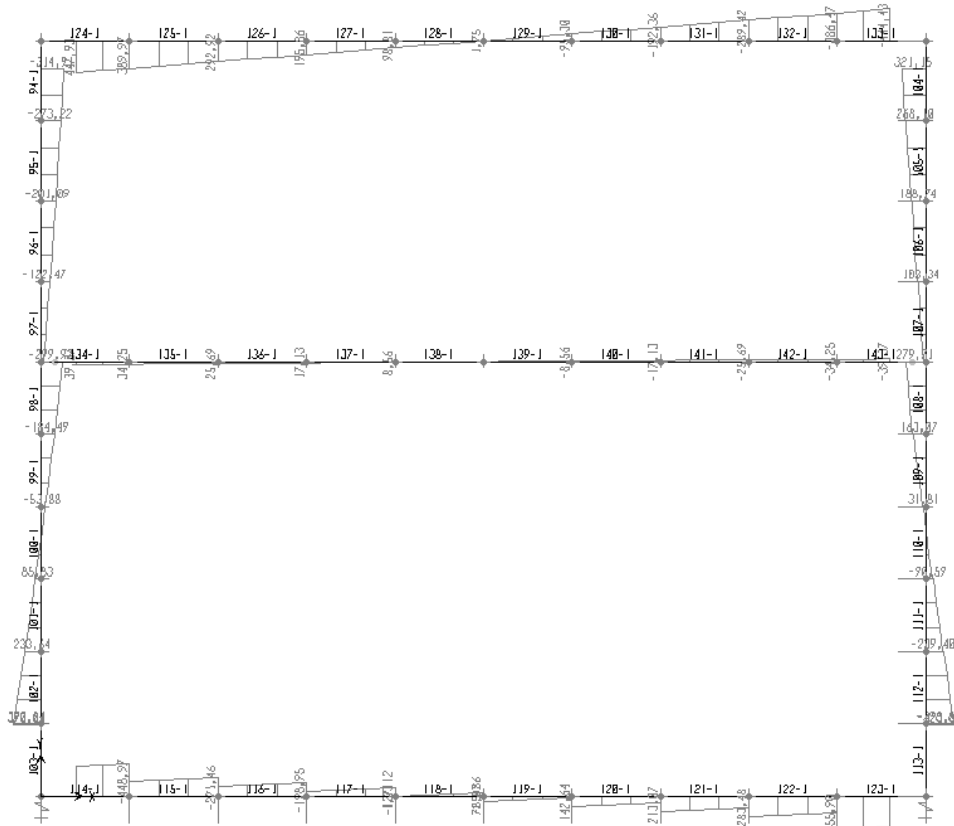


Figura 40- COMBO 8 bis- Sollecitazione di taglio

<p>GENERAL CONTRACTOR</p>  <p>CODIV Consorzio Collegamenti Integrati Veloci</p>	<p>ALTA SORVEGLIANZA</p>  <p>ITALFERR GRUPPO FERROVIE DELLO STATO ITALIANE</p>
	<p>a301-00-d-cv-ro-gn00-0x-013-e00</p> <p>Foglio 61 di 289</p>

1.2 Output

Table: Element Forces - Frames, Part 1 of 2

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
1	0,00000	COMB1	Combination	4,000	-1024,000	-0,438	176,0000	-2,0000
1	0,34475	COMB1	Combination	3,999	-1006,762	-0,438	176,0000	-1,8492
1	0,68951	COMB1	Combination	3,998	-989,525	-0,438	176,0000	-1,6983
1	1,03426	COMB1	Combination	3,997	-972,287	-0,438	176,0000	-1,5475
1	0,00000	COMB2	Combination	4,000	-1024,000	-0,438	176,0000	-2,0000
1	0,34475	COMB2	Combination	3,999	-1006,762	-0,438	176,0000	-1,8492
1	0,68951	COMB2	Combination	3,998	-989,525	-0,438	176,0000	-1,6983
1	1,03426	COMB2	Combination	3,997	-972,287	-0,438	176,0000	-1,5475
1	0,00000	COMB4	Combination	4,000	-1024,000	-0,438	176,0000	-2,0000
1	0,34475	COMB4	Combination	3,999	-1006,762	-0,438	176,0000	-1,8492
1	0,68951	COMB4	Combination	3,998	-989,525	-0,438	176,0000	-1,6983
1	1,03426	COMB4	Combination	3,997	-972,287	-0,438	176,0000	-1,5475
1	0,00000	COMB5	Combination	4,000	-1024,000	-0,438	176,0000	-2,0000
1	0,34475	COMB5	Combination	3,999	-1006,762	-0,438	176,0000	-1,8492
1	0,68951	COMB5	Combination	3,998	-989,525	-0,438	176,0000	-1,6983
1	1,03426	COMB5	Combination	3,997	-972,287	-0,438	176,0000	-1,5475
1	0,00000	COMB6	Combination	4,000	-1024,000	-0,438	176,0000	-2,0000
1	0,34475	COMB6	Combination	3,999	-1006,762	-0,438	176,0000	-1,8492
1	0,68951	COMB6	Combination	3,998	-989,525	-0,438	176,0000	-1,6983
1	1,03426	COMB6	Combination	3,997	-972,287	-0,438	176,0000	-1,5475
1	0,00000	COMB8	Combination	4,320	-1105,920	-0,473	190,0800	-2,1600
1	0,34475	COMB8	Combination	4,319	-1087,303	-0,473	190,0800	-1,9971
1	0,68951	COMB8	Combination	4,318	-1068,687	-0,473	190,0800	-1,8342
1	1,03426	COMB8	Combination	4,317	-1050,070	-0,473	190,0800	-1,6713
1	0,00000	COMB8bis	Combination	3,680	-942,080	-0,403	161,9200	-1,8400
1	0,34475	COMB8bis	Combination	3,679	-926,221	-0,403	161,9200	-1,7012
1	0,68951	COMB8bis	Combination	3,678	-910,363	-0,403	161,9200	-1,5625
1	1,03426	COMB8bis	Combination	3,678	-894,504	-0,403	161,9200	-1,4237
2	0,00000	COMB1	Combination	4,000	-1536,000	-0,500	120,0000	-1,4375
2	0,34475	COMB1	Combination	3,999	-1518,762	-0,500	120,0000	-1,2651
2	0,68951	COMB1	Combination	3,998	-1501,525	-0,500	120,0000	-1,0927
2	1,03426	COMB1	Combination	3,997	-1484,287	-0,500	120,0000	-0,9204
2	0,00000	COMB2	Combination	4,000	-1536,000	-0,500	120,0000	-1,4375
2	0,34475	COMB2	Combination	3,999	-1518,762	-0,500	120,0000	-1,2651
2	0,68951	COMB2	Combination	3,998	-1501,525	-0,500	120,0000	-1,0927
2	1,03426	COMB2	Combination	3,997	-1484,287	-0,500	120,0000	-0,9204
2	0,00000	COMB4	Combination	4,000	-1536,000	-0,500	120,0000	-1,4375
2	0,34475	COMB4	Combination	3,999	-1518,762	-0,500	120,0000	-1,2651
2	0,68951	COMB4	Combination	3,998	-1501,525	-0,500	120,0000	-1,0927
2	1,03426	COMB4	Combination	3,997	-1484,287	-0,500	120,0000	-0,9204
2	0,00000	COMB5	Combination	4,000	-1536,000	-0,500	120,0000	-1,4375
2	0,34475	COMB5	Combination	3,999	-1518,762	-0,500	120,0000	-1,2651

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
2	0,68951	COMB5	Combination	3,998	-1501,525	-0,500	120,0000	-1,0927
2	1,03426	COMB5	Combination	3,997	-1484,287	-0,500	120,0000	-0,9204
2	0,00000	COMB6	Combination	4,000	-1536,000	-0,500	120,0000	-1,4375
2	0,34475	COMB6	Combination	3,999	-1518,762	-0,500	120,0000	-1,2651
2	0,68951	COMB6	Combination	3,998	-1501,525	-0,500	120,0000	-1,0927
2	1,03426	COMB6	Combination	3,997	-1484,287	-0,500	120,0000	-0,9204
2	0,00000	COMB8	Combination	4,320	-1658,880	-0,540	129,6000	-1,5525
2	0,34475	COMB8	Combination	4,319	-1640,263	-0,540	129,6000	-1,3663
2	0,68951	COMB8	Combination	4,318	-1621,647	-0,540	129,6000	-1,1802
2	1,03426	COMB8	Combination	4,317	-1603,030	-0,540	129,6000	-0,9940
2	0,00000	COMB8bis	Combination	3,680	-1413,120	-0,460	110,4000	-1,3225
2	0,34475	COMB8bis	Combination	3,679	-1397,261	-0,460	110,4000	-1,1639
2	0,68951	COMB8bis	Combination	3,678	-1381,403	-0,460	110,4000	-1,0053
2	1,03426	COMB8bis	Combination	3,678	-1365,544	-0,460	110,4000	-0,8467
3	0,00000	COMB1	Combination	2,000	0,000	-0,375	112,0000	-0,8438
3	0,34475	COMB1	Combination	1,999	17,238	-0,375	112,0000	-0,7145
3	0,68951	COMB1	Combination	1,998	34,475	-0,375	112,0000	-0,5852
3	1,03426	COMB1	Combination	1,997	51,713	-0,375	112,0000	-0,4559
3	0,00000	COMB2	Combination	2,000	0,000	-0,375	112,0000	-0,8438
3	0,34475	COMB2	Combination	1,999	17,238	-0,375	112,0000	-0,7145
3	0,68951	COMB2	Combination	1,998	34,475	-0,375	112,0000	-0,5852
3	1,03426	COMB2	Combination	1,997	51,713	-0,375	112,0000	-0,4559
3	0,00000	COMB4	Combination	2,000	0,000	-0,375	112,0000	-0,8438
3	0,34475	COMB4	Combination	1,999	17,238	-0,375	112,0000	-0,7145
3	0,68951	COMB4	Combination	1,998	34,475	-0,375	112,0000	-0,5852
3	1,03426	COMB4	Combination	1,997	51,713	-0,375	112,0000	-0,4559
3	0,00000	COMB5	Combination	2,000	0,000	-0,375	112,0000	-0,8438
3	0,34475	COMB5	Combination	1,999	17,238	-0,375	112,0000	-0,7145
3	0,68951	COMB5	Combination	1,998	34,475	-0,375	112,0000	-0,5852
3	1,03426	COMB5	Combination	1,997	51,713	-0,375	112,0000	-0,4559
3	0,00000	COMB6	Combination	2,000	0,000	-0,375	112,0000	-0,8438
3	0,34475	COMB6	Combination	1,999	17,238	-0,375	112,0000	-0,7145
3	0,68951	COMB6	Combination	1,998	34,475	-0,375	112,0000	-0,5852
3	1,03426	COMB6	Combination	1,997	51,713	-0,375	112,0000	-0,4559
3	0,00000	COMB8	Combination	2,160	0,000	-0,405	120,9600	-0,9113
3	0,34475	COMB8	Combination	2,159	18,617	-0,405	120,9600	-0,7716
3	0,68951	COMB8	Combination	2,158	37,233	-0,405	120,9600	-0,6320
3	1,03426	COMB8	Combination	2,157	55,850	-0,405	120,9600	-0,4924
3	0,00000	COMB8bis	Combination	1,840	0,000	-0,345	103,0400	-0,7763
3	0,34475	COMB8bis	Combination	1,839	15,859	-0,345	103,0400	-0,6573
3	0,68951	COMB8bis	Combination	1,838	31,717	-0,345	103,0400	-0,5384
3	1,03426	COMB8bis	Combination	1,838	47,576	-0,345	103,0400	-0,4194
4	0,00000	COMB1	Combination	4,000	-1536,000	-0,313	64,0000	-0,3750
4	0,34475	COMB1	Combination	3,999	-1518,762	-0,313	64,0000	-0,2673
4	0,68951	COMB1	Combination	3,998	-1501,525	-0,313	64,0000	-0,1595
4	1,03426	COMB1	Combination	3,997	-1484,287	-0,313	64,0000	-0,0518
4	0,00000	COMB2	Combination	4,000	-1536,000	-0,313	64,0000	-0,3750
4	0,34475	COMB2	Combination	3,999	-1518,762	-0,313	64,0000	-0,2673
4	0,68951	COMB2	Combination	3,998	-1501,525	-0,313	64,0000	-0,1595
4	1,03426	COMB2	Combination	3,997	-1484,287	-0,313	64,0000	-0,0518
4	0,00000	COMB4	Combination	4,000	-1536,000	-0,313	64,0000	-0,3750
4	0,34475	COMB4	Combination	3,999	-1518,762	-0,313	64,0000	-0,2673
4	0,68951	COMB4	Combination	3,998	-1501,525	-0,313	64,0000	-0,1595
4	1,03426	COMB4	Combination	3,997	-1484,287	-0,313	64,0000	-0,0518
4	0,00000	COMB5	Combination	4,000	-1536,000	-0,313	64,0000	-0,3750

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
4	0,34475	COMB5	Combination	3,999	-1518,762	-0,313	64,0000	-0,2673
4	0,68951	COMB5	Combination	3,998	-1501,525	-0,313	64,0000	-0,1595
4	1,03426	COMB5	Combination	3,997	-1484,287	-0,313	64,0000	-0,0518
4	0,00000	COMB6	Combination	4,000	-1536,000	-0,313	64,0000	-0,3750
4	0,34475	COMB6	Combination	3,999	-1518,762	-0,313	64,0000	-0,2673
4	0,68951	COMB6	Combination	3,998	-1501,525	-0,313	64,0000	-0,1595
4	1,03426	COMB6	Combination	3,997	-1484,287	-0,313	64,0000	-0,0518
4	0,00000	COMB8	Combination	4,320	-1658,880	-0,338	69,1200	-0,4050
4	0,34475	COMB8	Combination	4,319	-1640,263	-0,338	69,1200	-0,2886
4	0,68951	COMB8	Combination	4,318	-1621,647	-0,338	69,1200	-0,1723
4	1,03426	COMB8	Combination	4,317	-1603,030	-0,338	69,1200	-0,0559
4	0,00000	COMB8bis	Combination	3,680	-1413,120	-0,288	58,8800	-0,3450
4	0,34475	COMB8bis	Combination	3,679	-1397,261	-0,288	58,8800	-0,2459
4	0,68951	COMB8bis	Combination	3,678	-1381,403	-0,288	58,8800	-0,1468
4	1,03426	COMB8bis	Combination	3,678	-1365,544	-0,288	58,8800	-0,0476
5	0,00000	COMB1	Combination	3,000	0,000	-0,313	64,0000	-0,0781
5	0,34475	COMB1	Combination	2,999	17,238	-0,313	64,0000	0,0296
5	0,68951	COMB1	Combination	2,998	34,475	-0,313	64,0000	0,1373
5	1,03426	COMB1	Combination	2,997	51,713	-0,313	64,0000	0,2451
5	0,00000	COMB2	Combination	3,000	0,000	-0,313	64,0000	-0,0781
5	0,34475	COMB2	Combination	2,999	17,238	-0,313	64,0000	0,0296
5	0,68951	COMB2	Combination	2,998	34,475	-0,313	64,0000	0,1373
5	1,03426	COMB2	Combination	2,997	51,713	-0,313	64,0000	0,2451
5	0,00000	COMB4	Combination	3,000	0,000	-0,313	64,0000	-0,0781
5	0,34475	COMB4	Combination	2,999	17,238	-0,313	64,0000	0,0296
5	0,68951	COMB4	Combination	2,998	34,475	-0,313	64,0000	0,1373
5	1,03426	COMB4	Combination	2,997	51,713	-0,313	64,0000	0,2451
5	0,00000	COMB5	Combination	3,000	0,000	-0,313	64,0000	-0,0781
5	0,34475	COMB5	Combination	2,999	17,238	-0,313	64,0000	0,0296
5	0,68951	COMB5	Combination	2,998	34,475	-0,313	64,0000	0,1373
5	1,03426	COMB5	Combination	2,997	51,713	-0,313	64,0000	0,2451
5	0,00000	COMB6	Combination	3,000	0,000	-0,313	64,0000	-0,0781
5	0,34475	COMB6	Combination	2,999	17,238	-0,313	64,0000	0,0296
5	0,68951	COMB6	Combination	2,998	34,475	-0,313	64,0000	0,1373
5	1,03426	COMB6	Combination	2,997	51,713	-0,313	64,0000	0,2451
5	0,00000	COMB8	Combination	3,240	0,000	-0,338	69,1200	-0,0844
5	0,34475	COMB8	Combination	3,239	18,617	-0,338	69,1200	0,0320
5	0,68951	COMB8	Combination	3,238	37,233	-0,338	69,1200	0,1483
5	1,03426	COMB8	Combination	3,237	55,850	-0,338	69,1200	0,2647
5	0,00000	COMB8bis	Combination	2,760	0,000	-0,288	58,8800	-0,0719
5	0,34475	COMB8bis	Combination	2,759	15,859	-0,288	58,8800	0,0272
5	0,68951	COMB8bis	Combination	2,758	31,717	-0,288	58,8800	0,1264
5	1,03426	COMB8bis	Combination	2,758	47,576	-0,288	58,8800	0,2255
6	0,00000	COMB1	Combination	2,000	-512,000	-0,188	64,0000	0,2813
6	0,34475	COMB1	Combination	1,999	-494,762	-0,188	64,0000	0,3459
6	0,68951	COMB1	Combination	1,998	-477,525	-0,188	64,0000	0,4105
6	1,03426	COMB1	Combination	1,997	-460,287	-0,188	64,0000	0,4752
6	0,00000	COMB2	Combination	2,000	-512,000	-0,188	64,0000	0,2813
6	0,34475	COMB2	Combination	1,999	-494,762	-0,188	64,0000	0,3459
6	0,68951	COMB2	Combination	1,998	-477,525	-0,188	64,0000	0,4105
6	1,03426	COMB2	Combination	1,997	-460,287	-0,188	64,0000	0,4752
6	0,00000	COMB4	Combination	2,000	-512,000	-0,188	64,0000	0,2813
6	0,34475	COMB4	Combination	1,999	-494,762	-0,188	64,0000	0,3459
6	0,68951	COMB4	Combination	1,998	-477,525	-0,188	64,0000	0,4105
6	1,03426	COMB4	Combination	1,997	-460,287	-0,188	64,0000	0,4752

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
6	0,00000	COMB5	Combination	2,000	-512,000	-0,188	64,0000	0,2813
6	0,34475	COMB5	Combination	1,999	-494,762	-0,188	64,0000	0,3459
6	0,68951	COMB5	Combination	1,998	-477,525	-0,188	64,0000	0,4105
6	1,03426	COMB5	Combination	1,997	-460,287	-0,188	64,0000	0,4752
6	0,00000	COMB6	Combination	2,000	-512,000	-0,188	64,0000	0,2813
6	0,34475	COMB6	Combination	1,999	-494,762	-0,188	64,0000	0,3459
6	0,68951	COMB6	Combination	1,998	-477,525	-0,188	64,0000	0,4105
6	1,03426	COMB6	Combination	1,997	-460,287	-0,188	64,0000	0,4752
6	0,00000	COMB8	Combination	2,160	-552,960	-0,203	69,1200	0,3038
6	0,34475	COMB8	Combination	2,159	-534,343	-0,203	69,1200	0,3736
6	0,68951	COMB8	Combination	2,158	-515,727	-0,203	69,1200	0,4434
6	1,03426	COMB8	Combination	2,157	-497,110	-0,203	69,1200	0,5132
6	0,00000	COMB8bis	Combination	1,840	-471,040	-0,173	58,8800	0,2588
6	0,34475	COMB8bis	Combination	1,839	-455,181	-0,173	58,8800	0,3182
6	0,68951	COMB8bis	Combination	1,838	-439,323	-0,173	58,8800	0,3777
6	1,03426	COMB8bis	Combination	1,838	-423,464	-0,173	58,8800	0,4372
7	0,00000	COMB1	Combination	1,000	1280,000	-0,094	32,0000	0,4375
7	0,34475	COMB1	Combination	0,999	1297,238	-0,094	32,0000	0,4698
7	0,68951	COMB1	Combination	0,998	1314,475	-0,094	32,0000	0,5021
7	1,03426	COMB1	Combination	0,997	1331,713	-0,094	32,0000	0,5345
7	0,00000	COMB2	Combination	1,000	1280,000	-0,094	32,0000	0,4375
7	0,34475	COMB2	Combination	0,999	1297,238	-0,094	32,0000	0,4698
7	0,68951	COMB2	Combination	0,998	1314,475	-0,094	32,0000	0,5021
7	1,03426	COMB2	Combination	0,997	1331,713	-0,094	32,0000	0,5345
7	0,00000	COMB4	Combination	1,000	1280,000	-0,094	32,0000	0,4375
7	0,34475	COMB4	Combination	0,999	1297,238	-0,094	32,0000	0,4698
7	0,68951	COMB4	Combination	0,998	1314,475	-0,094	32,0000	0,5021
7	1,03426	COMB4	Combination	0,997	1331,713	-0,094	32,0000	0,5345
7	0,00000	COMB5	Combination	1,000	1280,000	-0,094	32,0000	0,4375
7	0,34475	COMB5	Combination	0,999	1297,238	-0,094	32,0000	0,4698
7	0,68951	COMB5	Combination	0,998	1314,475	-0,094	32,0000	0,5021
7	1,03426	COMB5	Combination	0,997	1331,713	-0,094	32,0000	0,5345
7	0,00000	COMB6	Combination	1,000	1280,000	-0,094	32,0000	0,4375
7	0,34475	COMB6	Combination	0,999	1297,238	-0,094	32,0000	0,4698
7	0,68951	COMB6	Combination	0,998	1314,475	-0,094	32,0000	0,5021
7	1,03426	COMB6	Combination	0,997	1331,713	-0,094	32,0000	0,5345
7	0,00000	COMB8	Combination	1,080	1382,400	-0,101	34,5600	0,4725
7	0,34475	COMB8	Combination	1,079	1401,017	-0,101	34,5600	0,5074
7	0,68951	COMB8	Combination	1,078	1419,633	-0,101	34,5600	0,5423
7	1,03426	COMB8	Combination	1,077	1438,250	-0,101	34,5600	0,5772
7	0,00000	COMB8bis	Combination	0,920	1177,600	-0,086	29,4400	0,4025
7	0,34475	COMB8bis	Combination	0,919	1193,459	-0,086	29,4400	0,4322
7	0,68951	COMB8bis	Combination	0,918	1209,317	-0,086	29,4400	0,4620
7	1,03426	COMB8bis	Combination	0,918	1225,176	-0,086	29,4400	0,4917
8	0,00000	COMB1	Combination	0,000	768,000	-0,094	32,0000	0,5781
8	0,34475	COMB1	Combination	-8,451E-04	785,238	-0,094	32,0000	0,6104
8	0,68951	COMB1	Combination	-1,690E-03	802,475	-0,094	32,0000	0,6428
8	1,03426	COMB1	Combination	-2,535E-03	819,713	-0,094	32,0000	0,6751
8	0,00000	COMB2	Combination	0,000	768,000	-0,094	32,0000	0,5781
8	0,34475	COMB2	Combination	-8,451E-04	785,238	-0,094	32,0000	0,6104
8	0,68951	COMB2	Combination	-1,690E-03	802,475	-0,094	32,0000	0,6428
8	1,03426	COMB2	Combination	-2,535E-03	819,713	-0,094	32,0000	0,6751
8	0,00000	COMB4	Combination	0,000	768,000	-0,094	32,0000	0,5781
8	0,34475	COMB4	Combination	-8,451E-04	785,238	-0,094	32,0000	0,6104
8	0,68951	COMB4	Combination	-1,690E-03	802,475	-0,094	32,0000	0,6428

<p>GENERAL CONTRACTOR</p>  <p>Censozio Collegamenti Integrati Veloci</p>	<p>ALTA SORVEGLIANZA</p>  <p>GRUPPO FERROVIE DELLO STATO ITALIANE</p>
	<p>a301-00-d-cv-ro-gn00-0x-013-e00</p> <p>Foglio 65 di 289</p>

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
8	1,03426	COMB4	Combination	-2,535E-03	819,713	-0,094	32,0000	0,6751
8	0,00000	COMB5	Combination	0,000	768,000	-0,094	32,0000	0,5781
8	0,34475	COMB5	Combination	-8,451E-04	785,238	-0,094	32,0000	0,6104
8	0,68951	COMB5	Combination	-1,690E-03	802,475	-0,094	32,0000	0,6428
8	1,03426	COMB5	Combination	-2,535E-03	819,713	-0,094	32,0000	0,6751
8	0,00000	COMB6	Combination	0,000	768,000	-0,094	32,0000	0,5781
8	0,34475	COMB6	Combination	-8,451E-04	785,238	-0,094	32,0000	0,6104
8	0,68951	COMB6	Combination	-1,690E-03	802,475	-0,094	32,0000	0,6428
8	1,03426	COMB6	Combination	-2,535E-03	819,713	-0,094	32,0000	0,6751
8	0,00000	COMB8	Combination	0,000	829,440	-0,101	34,5600	0,6244
8	0,34475	COMB8	Combination	-9,127E-04	848,057	-0,101	34,5600	0,6593
8	0,68951	COMB8	Combination	-1,825E-03	866,673	-0,101	34,5600	0,6942
8	1,03426	COMB8	Combination	-2,738E-03	885,290	-0,101	34,5600	0,7291
8	0,00000	COMB8bis	Combination	0,000	706,560	-0,086	29,4400	0,5319
8	0,34475	COMB8bis	Combination	-7,775E-04	722,419	-0,086	29,4400	0,5616
8	0,68951	COMB8bis	Combination	-1,555E-03	738,277	-0,086	29,4400	0,5913
8	1,03426	COMB8bis	Combination	-2,332E-03	754,136	-0,086	29,4400	0,6211
9	0,00000	COMB1	Combination	0,000	-256,000	-0,094	16,0000	0,6641
9	0,34475	COMB1	Combination	-8,451E-04	-238,762	-0,094	16,0000	0,6964
9	0,68951	COMB1	Combination	-1,690E-03	-221,525	-0,094	16,0000	0,7287
9	1,03426	COMB1	Combination	-2,535E-03	-204,287	-0,094	16,0000	0,7610
9	0,00000	COMB2	Combination	0,000	-256,000	-0,094	16,0000	0,6641
9	0,34475	COMB2	Combination	-8,451E-04	-238,762	-0,094	16,0000	0,6964
9	0,68951	COMB2	Combination	-1,690E-03	-221,525	-0,094	16,0000	0,7287
9	1,03426	COMB2	Combination	-2,535E-03	-204,287	-0,094	16,0000	0,7610
9	0,00000	COMB4	Combination	0,000	-256,000	-0,094	16,0000	0,6641
9	0,34475	COMB4	Combination	-8,451E-04	-238,762	-0,094	16,0000	0,6964
9	0,68951	COMB4	Combination	-1,690E-03	-221,525	-0,094	16,0000	0,7287
9	1,03426	COMB4	Combination	-2,535E-03	-204,287	-0,094	16,0000	0,7610
9	0,00000	COMB5	Combination	0,000	-256,000	-0,094	16,0000	0,6641
9	0,34475	COMB5	Combination	-8,451E-04	-238,762	-0,094	16,0000	0,6964
9	0,68951	COMB5	Combination	-1,690E-03	-221,525	-0,094	16,0000	0,7287
9	1,03426	COMB5	Combination	-2,535E-03	-204,287	-0,094	16,0000	0,7610
9	0,00000	COMB6	Combination	0,000	-256,000	-0,094	16,0000	0,6641
9	0,34475	COMB6	Combination	-8,451E-04	-238,762	-0,094	16,0000	0,6964
9	0,68951	COMB6	Combination	-1,690E-03	-221,525	-0,094	16,0000	0,7287
9	1,03426	COMB6	Combination	-2,535E-03	-204,287	-0,094	16,0000	0,7610
9	0,00000	COMB8	Combination	0,000	-276,480	-0,101	17,2800	0,7172
9	0,34475	COMB8	Combination	-9,127E-04	-257,863	-0,101	17,2800	0,7521
9	0,68951	COMB8	Combination	-1,825E-03	-239,247	-0,101	17,2800	0,7870
9	1,03426	COMB8	Combination	-2,738E-03	-220,630	-0,101	17,2800	0,8219
9	0,00000	COMB8bis	Combination	0,000	-235,520	-0,086	14,7200	0,6109
9	0,34475	COMB8bis	Combination	-7,775E-04	-219,661	-0,086	14,7200	0,6407
9	0,68951	COMB8bis	Combination	-1,555E-03	-203,803	-0,086	14,7200	0,6704
9	1,03426	COMB8bis	Combination	-2,332E-03	-187,944	-0,086	14,7200	0,7001
10	0,00000	COMB1	Combination	-2,000	512,000	-0,125	32,0000	0,7930
10	0,34475	COMB1	Combination	-2,001	529,238	-0,125	32,0000	0,8361
10	0,68951	COMB1	Combination	-2,002	546,475	-0,125	32,0000	0,8792
10	1,03426	COMB1	Combination	-2,003	563,713	-0,125	32,0000	0,9223
10	0,00000	COMB2	Combination	-2,000	512,000	-0,125	32,0000	0,7930
10	0,34475	COMB2	Combination	-2,001	529,238	-0,125	32,0000	0,8361
10	0,68951	COMB2	Combination	-2,002	546,475	-0,125	32,0000	0,8792
10	1,03426	COMB2	Combination	-2,003	563,713	-0,125	32,0000	0,9223
10	0,00000	COMB4	Combination	-2,000	512,000	-0,125	32,0000	0,7930
10	0,34475	COMB4	Combination	-2,001	529,238	-0,125	32,0000	0,8361

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
10	0,68951	COMB4	Combination	-2,002	546,475	-0,125	32,0000	0,8792
10	1,03426	COMB4	Combination	-2,003	563,713	-0,125	32,0000	0,9223
10	0,00000	COMB5	Combination	-2,000	512,000	-0,125	32,0000	0,7930
10	0,34475	COMB5	Combination	-2,001	529,238	-0,125	32,0000	0,8361
10	0,68951	COMB5	Combination	-2,002	546,475	-0,125	32,0000	0,8792
10	1,03426	COMB5	Combination	-2,003	563,713	-0,125	32,0000	0,9223
10	0,00000	COMB6	Combination	-2,000	512,000	-0,125	32,0000	0,7930
10	0,34475	COMB6	Combination	-2,001	529,238	-0,125	32,0000	0,8361
10	0,68951	COMB6	Combination	-2,002	546,475	-0,125	32,0000	0,8792
10	1,03426	COMB6	Combination	-2,003	563,713	-0,125	32,0000	0,9223
10	0,00000	COMB8	Combination	-2,160	552,960	-0,135	34,5600	0,8564
10	0,34475	COMB8	Combination	-2,161	571,577	-0,135	34,5600	0,9029
10	0,68951	COMB8	Combination	-2,162	590,193	-0,135	34,5600	0,9495
10	1,03426	COMB8	Combination	-2,163	608,810	-0,135	34,5600	0,9960
10	0,00000	COMB8bis	Combination	-1,840	471,040	-0,115	29,4400	0,7295
10	0,34475	COMB8bis	Combination	-1,841	486,899	-0,115	29,4400	0,7692
10	0,68951	COMB8bis	Combination	-1,842	502,757	-0,115	29,4400	0,8088
10	1,03426	COMB8bis	Combination	-1,842	518,616	-0,115	29,4400	0,8485
11	0,00000	COMB1	Combination	0,000	0,000	-0,137	40,0000	0,9199
11	0,34475	COMB1	Combination	-8,451E-04	17,238	-0,137	40,0000	0,9671
11	0,68951	COMB1	Combination	-1,690E-03	34,475	-0,137	40,0000	1,0142
11	1,03426	COMB1	Combination	-2,535E-03	51,713	-0,137	40,0000	1,0613
11	0,00000	COMB2	Combination	0,000	0,000	-0,137	40,0000	0,9199
11	0,34475	COMB2	Combination	-8,451E-04	17,238	-0,137	40,0000	0,9671
11	0,68951	COMB2	Combination	-1,690E-03	34,475	-0,137	40,0000	1,0142
11	1,03426	COMB2	Combination	-2,535E-03	51,713	-0,137	40,0000	1,0613
11	0,00000	COMB4	Combination	0,000	0,000	-0,137	40,0000	0,9199
11	0,34475	COMB4	Combination	-8,451E-04	17,238	-0,137	40,0000	0,9671
11	0,68951	COMB4	Combination	-1,690E-03	34,475	-0,137	40,0000	1,0142
11	1,03426	COMB4	Combination	-2,535E-03	51,713	-0,137	40,0000	1,0613
11	0,00000	COMB5	Combination	0,000	0,000	-0,137	40,0000	0,9199
11	0,34475	COMB5	Combination	-8,451E-04	17,238	-0,137	40,0000	0,9671
11	0,68951	COMB5	Combination	-1,690E-03	34,475	-0,137	40,0000	1,0142
11	1,03426	COMB5	Combination	-2,535E-03	51,713	-0,137	40,0000	1,0613
11	0,00000	COMB6	Combination	0,000	0,000	-0,137	40,0000	0,9199
11	0,34475	COMB6	Combination	-8,451E-04	17,238	-0,137	40,0000	0,9671
11	0,68951	COMB6	Combination	-1,690E-03	34,475	-0,137	40,0000	1,0142
11	1,03426	COMB6	Combination	-2,535E-03	51,713	-0,137	40,0000	1,0613
11	0,00000	COMB8	Combination	0,000	0,000	-0,148	43,2000	0,9935
11	0,34475	COMB8	Combination	-9,127E-04	18,617	-0,148	43,2000	1,0444
11	0,68951	COMB8	Combination	-1,825E-03	37,233	-0,148	43,2000	1,0953
11	1,03426	COMB8	Combination	-2,738E-03	55,850	-0,148	43,2000	1,1462
11	0,00000	COMB8bis	Combination	0,000	0,000	-0,126	36,8000	0,8463
11	0,34475	COMB8bis	Combination	-7,775E-04	15,859	-0,126	36,8000	0,8897
11	0,68951	COMB8bis	Combination	-1,555E-03	31,717	-0,126	36,8000	0,9331
11	1,03426	COMB8bis	Combination	-2,332E-03	47,576	-0,126	36,8000	0,9764
12	0,00000	COMB1	Combination	0,000	-512,000	-0,148	8,0000	1,0391
12	0,34475	COMB1	Combination	-8,451E-04	-494,762	-0,148	8,0000	1,0902
12	0,68951	COMB1	Combination	-1,690E-03	-477,525	-0,148	8,0000	1,1414
12	1,03426	COMB1	Combination	-2,535E-03	-460,287	-0,148	8,0000	1,1926
12	0,00000	COMB2	Combination	0,000	-512,000	-0,148	8,0000	1,0391
12	0,34475	COMB2	Combination	-8,451E-04	-494,762	-0,148	8,0000	1,0902
12	0,68951	COMB2	Combination	-1,690E-03	-477,525	-0,148	8,0000	1,1414
12	1,03426	COMB2	Combination	-2,535E-03	-460,287	-0,148	8,0000	1,1926
12	0,00000	COMB4	Combination	0,000	-512,000	-0,148	8,0000	1,0391

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
12	0,34475	COMB4	Combination	-8,451E-04	-494,762	-0,148	8,0000	1,0902
12	0,68951	COMB4	Combination	-1,690E-03	-477,525	-0,148	8,0000	1,1414
12	1,03426	COMB4	Combination	-2,535E-03	-460,287	-0,148	8,0000	1,1926
12	0,00000	COMB5	Combination	0,000	-512,000	-0,148	8,0000	1,0391
12	0,34475	COMB5	Combination	-8,451E-04	-494,762	-0,148	8,0000	1,0902
12	0,68951	COMB5	Combination	-1,690E-03	-477,525	-0,148	8,0000	1,1414
12	1,03426	COMB5	Combination	-2,535E-03	-460,287	-0,148	8,0000	1,1926
12	0,00000	COMB6	Combination	0,000	-512,000	-0,148	8,0000	1,0391
12	0,34475	COMB6	Combination	-8,451E-04	-494,762	-0,148	8,0000	1,0902
12	0,68951	COMB6	Combination	-1,690E-03	-477,525	-0,148	8,0000	1,1414
12	1,03426	COMB6	Combination	-2,535E-03	-460,287	-0,148	8,0000	1,1926
12	0,00000	COMB8	Combination	0,000	-552,960	-0,160	8,6400	1,1222
12	0,34475	COMB8	Combination	-9,127E-04	-534,343	-0,160	8,6400	1,1775
12	0,68951	COMB8	Combination	-1,825E-03	-515,727	-0,160	8,6400	1,2327
12	1,03426	COMB8	Combination	-2,738E-03	-497,110	-0,160	8,6400	1,2880
12	0,00000	COMB8bis	Combination	0,000	-471,040	-0,137	7,3600	0,9559
12	0,34475	COMB8bis	Combination	-7,775E-04	-455,181	-0,137	7,3600	1,0030
12	0,68951	COMB8bis	Combination	-1,555E-03	-439,323	-0,137	7,3600	1,0501
12	1,03426	COMB8bis	Combination	-2,332E-03	-423,464	-0,137	7,3600	1,0972
13	0,00000	COMB1	Combination	-0,188	-512,000	1,250	160,0000	1,1250
13	0,45421	COMB1	Combination	-0,185	-489,290	1,250	160,0000	0,5572
13	0,90842	COMB1	Combination	-0,182	-466,579	1,250	160,0000	-0,0105
13	0,00000	COMB2	Combination	-0,188	-512,000	1,250	160,0000	1,1250
13	0,45421	COMB2	Combination	-0,185	-489,290	1,250	160,0000	0,5572
13	0,90842	COMB2	Combination	-0,182	-466,579	1,250	160,0000	-0,0105
13	0,00000	COMB4	Combination	-0,188	-512,000	1,250	160,0000	1,1250
13	0,45421	COMB4	Combination	-0,185	-489,290	1,250	160,0000	0,5572
13	0,90842	COMB4	Combination	-0,182	-466,579	1,250	160,0000	-0,0105
13	0,00000	COMB5	Combination	-0,188	-512,000	1,250	160,0000	1,1250
13	0,45421	COMB5	Combination	-0,185	-489,290	1,250	160,0000	0,5572
13	0,90842	COMB5	Combination	-0,182	-466,579	1,250	160,0000	-0,0105
13	0,00000	COMB6	Combination	-0,188	-512,000	1,250	160,0000	1,1250
13	0,45421	COMB6	Combination	-0,185	-489,290	1,250	160,0000	0,5572
13	0,90842	COMB6	Combination	-0,182	-466,579	1,250	160,0000	-0,0105
13	0,00000	COMB8	Combination	-0,203	-552,960	1,350	172,8000	1,2150
13	0,45421	COMB8	Combination	-0,199	-528,433	1,350	172,8000	0,6018
13	0,90842	COMB8	Combination	-0,196	-503,905	1,350	172,8000	-0,0114
13	0,00000	COMB8bis	Combination	-0,173	-471,040	1,150	147,2000	1,0350
13	0,45421	COMB8bis	Combination	-0,170	-450,146	1,150	147,2000	0,5127
13	0,90842	COMB8bis	Combination	-0,167	-429,253	1,150	147,2000	-0,0097
14	0,00000	COMB1	Combination	-0,438	-768,000	1,500	168,0000	0,1250
14	0,45421	COMB1	Combination	-0,435	-745,290	1,500	168,0000	-0,5563
14	0,90842	COMB1	Combination	-0,432	-722,579	1,500	168,0000	-1,2376
14	0,00000	COMB2	Combination	-0,438	-768,000	1,500	168,0000	0,1250
14	0,45421	COMB2	Combination	-0,435	-745,290	1,500	168,0000	-0,5563
14	0,90842	COMB2	Combination	-0,432	-722,579	1,500	168,0000	-1,2376
14	0,00000	COMB4	Combination	-0,438	-768,000	1,500	168,0000	0,1250
14	0,45421	COMB4	Combination	-0,435	-745,290	1,500	168,0000	-0,5563
14	0,90842	COMB4	Combination	-0,432	-722,579	1,500	168,0000	-1,2376
14	0,00000	COMB5	Combination	-0,438	-768,000	1,500	168,0000	0,1250
14	0,45421	COMB5	Combination	-0,435	-745,290	1,500	168,0000	-0,5563
14	0,90842	COMB5	Combination	-0,432	-722,579	1,500	168,0000	-1,2376
14	0,00000	COMB6	Combination	-0,438	-768,000	1,500	168,0000	0,1250
14	0,45421	COMB6	Combination	-0,435	-745,290	1,500	168,0000	-0,5563
14	0,90842	COMB6	Combination	-0,432	-722,579	1,500	168,0000	-1,2376

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
14	0,00000	COMB8	Combination	-0,473	-829,440	1,620	181,4400	0,1350
14	0,45421	COMB8	Combination	-0,469	-804,913	1,620	181,4400	-0,6008
14	0,90842	COMB8	Combination	-0,466	-780,385	1,620	181,4400	-1,3366
14	0,00000	COMB8bis	Combination	-0,403	-706,560	1,380	154,5600	0,1150
14	0,45421	COMB8bis	Combination	-0,400	-685,666	1,380	154,5600	-0,5118
14	0,90842	COMB8bis	Combination	-0,397	-664,773	1,380	154,5600	-1,1386
15	0,00000	COMB1	Combination	-0,438	-512,000	0,250	168,0000	-1,2500
15	0,45421	COMB1	Combination	-0,435	-489,290	0,250	168,0000	-1,3636
15	0,90842	COMB1	Combination	-0,432	-466,579	0,250	168,0000	-1,4771
15	0,00000	COMB2	Combination	-0,438	-512,000	0,250	168,0000	-1,2500
15	0,45421	COMB2	Combination	-0,435	-489,290	0,250	168,0000	-1,3636
15	0,90842	COMB2	Combination	-0,432	-466,579	0,250	168,0000	-1,4771
15	0,00000	COMB4	Combination	-0,438	-512,000	0,250	168,0000	-1,2500
15	0,45421	COMB4	Combination	-0,435	-489,290	0,250	168,0000	-1,3636
15	0,90842	COMB4	Combination	-0,432	-466,579	0,250	168,0000	-1,4771
15	0,00000	COMB5	Combination	-0,438	-512,000	0,250	168,0000	-1,2500
15	0,45421	COMB5	Combination	-0,435	-489,290	0,250	168,0000	-1,3636
15	0,90842	COMB5	Combination	-0,432	-466,579	0,250	168,0000	-1,4771
15	0,00000	COMB6	Combination	-0,438	-512,000	0,250	168,0000	-1,2500
15	0,45421	COMB6	Combination	-0,435	-489,290	0,250	168,0000	-1,3636
15	0,90842	COMB6	Combination	-0,432	-466,579	0,250	168,0000	-1,4771
15	0,00000	COMB8	Combination	-0,473	-552,960	0,270	181,4400	-1,3500
15	0,45421	COMB8	Combination	-0,469	-528,433	0,270	181,4400	-1,4726
15	0,90842	COMB8	Combination	-0,466	-503,905	0,270	181,4400	-1,5953
15	0,00000	COMB8bis	Combination	-0,403	-471,040	0,230	154,5600	-1,1500
15	0,45421	COMB8bis	Combination	-0,400	-450,146	0,230	154,5600	-1,2545
15	0,90842	COMB8bis	Combination	-0,397	-429,253	0,230	154,5600	-1,3589
16	0,00000	COMB1	Combination	-0,375	-256,000	0,500	168,0000	-1,3750
16	0,45421	COMB1	Combination	-0,372	-233,290	0,500	168,0000	-1,6021
16	0,90842	COMB1	Combination	-0,369	-210,579	0,500	168,0000	-1,8292
16	0,00000	COMB2	Combination	-0,375	-256,000	0,500	168,0000	-1,3750
16	0,45421	COMB2	Combination	-0,372	-233,290	0,500	168,0000	-1,6021
16	0,90842	COMB2	Combination	-0,369	-210,579	0,500	168,0000	-1,8292
16	0,00000	COMB4	Combination	-0,375	-256,000	0,500	168,0000	-1,3750
16	0,45421	COMB4	Combination	-0,372	-233,290	0,500	168,0000	-1,6021
16	0,90842	COMB4	Combination	-0,369	-210,579	0,500	168,0000	-1,8292
16	0,00000	COMB5	Combination	-0,375	-256,000	0,500	168,0000	-1,3750
16	0,45421	COMB5	Combination	-0,372	-233,290	0,500	168,0000	-1,6021
16	0,90842	COMB5	Combination	-0,369	-210,579	0,500	168,0000	-1,8292
16	0,00000	COMB6	Combination	-0,375	-256,000	0,500	168,0000	-1,3750
16	0,45421	COMB6	Combination	-0,372	-233,290	0,500	168,0000	-1,6021
16	0,90842	COMB6	Combination	-0,369	-210,579	0,500	168,0000	-1,8292
16	0,00000	COMB8	Combination	-0,405	-276,480	0,540	181,4400	-1,4850
16	0,45421	COMB8	Combination	-0,402	-251,953	0,540	181,4400	-1,7303
16	0,90842	COMB8	Combination	-0,399	-227,425	0,540	181,4400	-1,9755
16	0,00000	COMB8bis	Combination	-0,345	-235,520	0,460	154,5600	-1,2650
16	0,45421	COMB8bis	Combination	-0,342	-214,626	0,460	154,5600	-1,4739
16	0,90842	COMB8bis	Combination	-0,340	-193,733	0,460	154,5600	-1,6829
17	0,00000	COMB1	Combination	-0,250	-128,000	-0,250	192,0000	-2,2500
17	0,45421	COMB1	Combination	-0,247	-105,290	-0,250	192,0000	-2,1364
17	0,90842	COMB1	Combination	-0,244	-82,579	-0,250	192,0000	-2,0229
17	0,00000	COMB2	Combination	-0,250	-128,000	-0,250	192,0000	-2,2500
17	0,45421	COMB2	Combination	-0,247	-105,290	-0,250	192,0000	-2,1364
17	0,90842	COMB2	Combination	-0,244	-82,579	-0,250	192,0000	-2,0229
17	0,00000	COMB4	Combination	-0,250	-128,000	-0,250	192,0000	-2,2500

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
17	0,45421	COMB4	Combination	-0,247	-105,290	-0,250	192,0000	-2,1364
17	0,90842	COMB4	Combination	-0,244	-82,579	-0,250	192,0000	-2,0229
17	0,00000	COMB5	Combination	-0,250	-128,000	-0,250	192,0000	-2,2500
17	0,45421	COMB5	Combination	-0,247	-105,290	-0,250	192,0000	-2,1364
17	0,90842	COMB5	Combination	-0,244	-82,579	-0,250	192,0000	-2,0229
17	0,00000	COMB6	Combination	-0,250	-128,000	-0,250	192,0000	-2,2500
17	0,45421	COMB6	Combination	-0,247	-105,290	-0,250	192,0000	-2,1364
17	0,90842	COMB6	Combination	-0,244	-82,579	-0,250	192,0000	-2,0229
17	0,00000	COMB8	Combination	-0,270	-138,240	-0,270	207,3600	-2,4300
17	0,45421	COMB8	Combination	-0,267	-113,713	-0,270	207,3600	-2,3074
17	0,90842	COMB8	Combination	-0,264	-89,185	-0,270	207,3600	-2,1847
17	0,00000	COMB8bis	Combination	-0,230	-117,760	-0,230	176,6400	-2,0700
17	0,45421	COMB8bis	Combination	-0,227	-96,866	-0,230	176,6400	-1,9655
17	0,90842	COMB8bis	Combination	-0,225	-75,973	-0,230	176,6400	-1,8611
18	0,00000	COMB1	Combination	-0,188	352,000	-0,500	80,0000	-2,0000
18	0,43213	COMB1	Combination	-0,189	373,606	-0,500	80,0000	-1,7839
18	0,86425	COMB1	Combination	-0,190	395,213	-0,500	80,0000	-1,5679
18	0,00000	COMB2	Combination	-0,188	352,000	-0,500	80,0000	-2,0000
18	0,43213	COMB2	Combination	-0,189	373,606	-0,500	80,0000	-1,7839
18	0,86425	COMB2	Combination	-0,190	395,213	-0,500	80,0000	-1,5679
18	0,00000	COMB4	Combination	-0,188	352,000	-0,500	80,0000	-2,0000
18	0,43213	COMB4	Combination	-0,189	373,606	-0,500	80,0000	-1,7839
18	0,86425	COMB4	Combination	-0,190	395,213	-0,500	80,0000	-1,5679
18	0,00000	COMB5	Combination	-0,188	352,000	-0,500	80,0000	-2,0000
18	0,43213	COMB5	Combination	-0,189	373,606	-0,500	80,0000	-1,7839
18	0,86425	COMB5	Combination	-0,190	395,213	-0,500	80,0000	-1,5679
18	0,00000	COMB6	Combination	-0,188	352,000	-0,500	80,0000	-2,0000
18	0,43213	COMB6	Combination	-0,189	373,606	-0,500	80,0000	-1,7839
18	0,86425	COMB6	Combination	-0,190	395,213	-0,500	80,0000	-1,5679
18	0,00000	COMB8	Combination	-0,203	380,160	-0,540	86,4000	-2,1600
18	0,43213	COMB8	Combination	-0,204	403,495	-0,540	86,4000	-1,9267
18	0,86425	COMB8	Combination	-0,205	426,830	-0,540	86,4000	-1,6933
18	0,00000	COMB8bis	Combination	-0,173	323,840	-0,460	73,6000	-1,8400
18	0,43213	COMB8bis	Combination	-0,173	343,718	-0,460	73,6000	-1,6412
18	0,86425	COMB8bis	Combination	-0,174	363,596	-0,460	73,6000	-1,4424
19	0,00000	COMB1	Combination	-0,281	332,000	-0,500	40,0000	-1,5000
19	0,43213	COMB1	Combination	-0,282	353,606	-0,500	40,0000	-1,2839
19	0,86425	COMB1	Combination	-0,283	375,213	-0,500	40,0000	-1,0679
19	0,00000	COMB2	Combination	-0,281	332,000	-0,500	40,0000	-1,5000
19	0,43213	COMB2	Combination	-0,282	353,606	-0,500	40,0000	-1,2839
19	0,86425	COMB2	Combination	-0,283	375,213	-0,500	40,0000	-1,0679
19	0,00000	COMB4	Combination	-0,281	332,000	-0,500	40,0000	-1,5000
19	0,43213	COMB4	Combination	-0,282	353,606	-0,500	40,0000	-1,2839
19	0,86425	COMB4	Combination	-0,283	375,213	-0,500	40,0000	-1,0679
19	0,00000	COMB5	Combination	-0,281	332,000	-0,500	40,0000	-1,5000
19	0,43213	COMB5	Combination	-0,282	353,606	-0,500	40,0000	-1,2839
19	0,86425	COMB5	Combination	-0,283	375,213	-0,500	40,0000	-1,0679
19	0,00000	COMB6	Combination	-0,281	332,000	-0,500	40,0000	-1,5000
19	0,43213	COMB6	Combination	-0,282	353,606	-0,500	40,0000	-1,2839
19	0,86425	COMB6	Combination	-0,283	375,213	-0,500	40,0000	-1,0679
19	0,00000	COMB8	Combination	-0,304	358,560	-0,540	43,2000	-1,6200
19	0,43213	COMB8	Combination	-0,305	381,895	-0,540	43,2000	-1,3867
19	0,86425	COMB8	Combination	-0,306	405,230	-0,540	43,2000	-1,1533
19	0,00000	COMB8bis	Combination	-0,259	305,440	-0,460	36,8000	-1,3800
19	0,43213	COMB8bis	Combination	-0,260	325,318	-0,460	36,8000	-1,1812

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
19	0,86425	COMB8bis	Combination	-0,261	345,196	-0,460	36,8000	-0,9824
20	0,00000	COMB1	Combination	-0,250	352,000	-0,500	48,0000	-1,3750
20	0,43213	COMB1	Combination	-0,251	373,606	-0,500	48,0000	-1,1589
20	0,86425	COMB1	Combination	-0,252	395,213	-0,500	48,0000	-0,9429
20	0,00000	COMB2	Combination	-0,250	352,000	-0,500	48,0000	-1,3750
20	0,43213	COMB2	Combination	-0,251	373,606	-0,500	48,0000	-1,1589
20	0,86425	COMB2	Combination	-0,252	395,213	-0,500	48,0000	-0,9429
20	0,00000	COMB4	Combination	-0,250	352,000	-0,500	48,0000	-1,3750
20	0,43213	COMB4	Combination	-0,251	373,606	-0,500	48,0000	-1,1589
20	0,86425	COMB4	Combination	-0,252	395,213	-0,500	48,0000	-0,9429
20	0,00000	COMB5	Combination	-0,250	352,000	-0,500	48,0000	-1,3750
20	0,43213	COMB5	Combination	-0,251	373,606	-0,500	48,0000	-1,1589
20	0,86425	COMB5	Combination	-0,252	395,213	-0,500	48,0000	-0,9429
20	0,00000	COMB6	Combination	-0,250	352,000	-0,500	48,0000	-1,3750
20	0,43213	COMB6	Combination	-0,251	373,606	-0,500	48,0000	-1,1589
20	0,86425	COMB6	Combination	-0,252	395,213	-0,500	48,0000	-0,9429
20	0,00000	COMB8	Combination	-0,270	380,160	-0,540	51,8400	-1,4850
20	0,43213	COMB8	Combination	-0,271	403,495	-0,540	51,8400	-1,2517
20	0,86425	COMB8	Combination	-0,272	426,830	-0,540	51,8400	-1,0183
20	0,00000	COMB8bis	Combination	-0,230	323,840	-0,460	44,1600	-1,2650
20	0,43213	COMB8bis	Combination	-0,231	343,718	-0,460	44,1600	-1,0662
20	0,86425	COMB8bis	Combination	-0,232	363,596	-0,460	44,1600	-0,8674
21	0,00000	COMB1	Combination	-0,250	448,000	0,000	40,0000	-0,6250
21	0,43213	COMB1	Combination	-0,251	469,606	0,000	40,0000	-0,6250
21	0,86425	COMB1	Combination	-0,252	491,213	0,000	40,0000	-0,6250
21	0,00000	COMB2	Combination	-0,250	448,000	0,000	40,0000	-0,6250
21	0,43213	COMB2	Combination	-0,251	469,606	0,000	40,0000	-0,6250
21	0,86425	COMB2	Combination	-0,252	491,213	0,000	40,0000	-0,6250
21	0,00000	COMB4	Combination	-0,250	448,000	0,000	40,0000	-0,6250
21	0,43213	COMB4	Combination	-0,251	469,606	0,000	40,0000	-0,6250
21	0,86425	COMB4	Combination	-0,252	491,213	0,000	40,0000	-0,6250
21	0,00000	COMB5	Combination	-0,250	448,000	0,000	40,0000	-0,6250
21	0,43213	COMB5	Combination	-0,251	469,606	0,000	40,0000	-0,6250
21	0,86425	COMB5	Combination	-0,252	491,213	0,000	40,0000	-0,6250
21	0,00000	COMB6	Combination	-0,250	448,000	0,000	40,0000	-0,6250
21	0,43213	COMB6	Combination	-0,251	469,606	0,000	40,0000	-0,6250
21	0,86425	COMB6	Combination	-0,252	491,213	0,000	40,0000	-0,6250
21	0,00000	COMB8	Combination	-0,270	483,840	0,000	43,2000	-0,6750
21	0,43213	COMB8	Combination	-0,271	507,175	0,000	43,2000	-0,6750
21	0,86425	COMB8	Combination	-0,272	530,510	0,000	43,2000	-0,6750
21	0,00000	COMB8bis	Combination	-0,230	412,160	0,000	36,8000	-0,5750
21	0,43213	COMB8bis	Combination	-0,231	432,038	0,000	36,8000	-0,5750
21	0,86425	COMB8bis	Combination	-0,232	451,916	0,000	36,8000	-0,5750
22	0,00000	COMB1	Combination	-0,250	768,000	-0,750	40,0000	-0,5625
22	0,43213	COMB1	Combination	-0,251	789,606	-0,750	40,0000	-0,2384
22	0,86425	COMB1	Combination	-0,252	811,213	-0,750	40,0000	0,0857
22	0,00000	COMB2	Combination	-0,250	768,000	-0,750	40,0000	-0,5625
22	0,43213	COMB2	Combination	-0,251	789,606	-0,750	40,0000	-0,2384
22	0,86425	COMB2	Combination	-0,252	811,213	-0,750	40,0000	0,0857
22	0,00000	COMB4	Combination	-0,250	768,000	-0,750	40,0000	-0,5625
22	0,43213	COMB4	Combination	-0,251	789,606	-0,750	40,0000	-0,2384
22	0,86425	COMB4	Combination	-0,252	811,213	-0,750	40,0000	0,0857
22	0,00000	COMB5	Combination	-0,250	768,000	-0,750	40,0000	-0,5625
22	0,43213	COMB5	Combination	-0,251	789,606	-0,750	40,0000	-0,2384
22	0,86425	COMB5	Combination	-0,252	811,213	-0,750	40,0000	0,0857

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
22	0,00000	COMB6	Combination	-0,250	768,000	-0,750	40,0000	-0,5625
22	0,43213	COMB6	Combination	-0,251	789,606	-0,750	40,0000	-0,2384
22	0,86425	COMB6	Combination	-0,252	811,213	-0,750	40,0000	0,0857
22	0,00000	COMB8	Combination	-0,270	829,440	-0,810	43,2000	-0,6075
22	0,43213	COMB8	Combination	-0,271	852,775	-0,810	43,2000	-0,2575
22	0,86425	COMB8	Combination	-0,272	876,110	-0,810	43,2000	0,0925
22	0,00000	COMB8bis	Combination	-0,230	706,560	-0,690	36,8000	-0,5175
22	0,43213	COMB8bis	Combination	-0,231	726,438	-0,690	36,8000	-0,2193
22	0,86425	COMB8bis	Combination	-0,232	746,316	-0,690	36,8000	0,0788
23	0,00000	COMB1	Combination	-0,219	384,000	-1,000	24,0000	-0,1250
23	0,43213	COMB1	Combination	-0,220	405,606	-1,000	24,0000	0,3071
23	0,86425	COMB1	Combination	-0,221	427,213	-1,000	24,0000	0,7393
23	0,00000	COMB2	Combination	-0,219	384,000	-1,000	24,0000	-0,1250
23	0,43213	COMB2	Combination	-0,220	405,606	-1,000	24,0000	0,3071
23	0,86425	COMB2	Combination	-0,221	427,213	-1,000	24,0000	0,7393
23	0,00000	COMB4	Combination	-0,219	384,000	-1,000	24,0000	-0,1250
23	0,43213	COMB4	Combination	-0,220	405,606	-1,000	24,0000	0,3071
23	0,86425	COMB4	Combination	-0,221	427,213	-1,000	24,0000	0,7393
23	0,00000	COMB5	Combination	-0,219	384,000	-1,000	24,0000	-0,1250
23	0,43213	COMB5	Combination	-0,220	405,606	-1,000	24,0000	0,3071
23	0,86425	COMB5	Combination	-0,221	427,213	-1,000	24,0000	0,7393
23	0,00000	COMB6	Combination	-0,219	384,000	-1,000	24,0000	-0,1250
23	0,43213	COMB6	Combination	-0,220	405,606	-1,000	24,0000	0,3071
23	0,86425	COMB6	Combination	-0,221	427,213	-1,000	24,0000	0,7393
23	0,00000	COMB8	Combination	-0,236	414,720	-1,080	25,9200	-0,1350
23	0,43213	COMB8	Combination	-0,237	438,055	-1,080	25,9200	0,3317
23	0,86425	COMB8	Combination	-0,239	461,390	-1,080	25,9200	0,7984
23	0,00000	COMB8bis	Combination	-0,201	353,280	-0,920	22,0800	-0,1150
23	0,43213	COMB8bis	Combination	-0,202	373,158	-0,920	22,0800	0,2826
23	0,86425	COMB8bis	Combination	-0,203	393,036	-0,920	22,0800	0,6801
24	0,00000	COMB1	Combination	-0,250	512,000	-1,000	72,0000	0,4375
24	0,43213	COMB1	Combination	-0,251	533,606	-1,000	72,0000	0,8696
24	0,86425	COMB1	Combination	-0,252	555,213	-1,000	72,0000	1,3018
24	0,00000	COMB2	Combination	-0,250	512,000	-1,000	72,0000	0,4375
24	0,43213	COMB2	Combination	-0,251	533,606	-1,000	72,0000	0,8696
24	0,86425	COMB2	Combination	-0,252	555,213	-1,000	72,0000	1,3018
24	0,00000	COMB4	Combination	-0,250	512,000	-1,000	72,0000	0,4375
24	0,43213	COMB4	Combination	-0,251	533,606	-1,000	72,0000	0,8696
24	0,86425	COMB4	Combination	-0,252	555,213	-1,000	72,0000	1,3018
24	0,00000	COMB5	Combination	-0,250	512,000	-1,000	72,0000	0,4375
24	0,43213	COMB5	Combination	-0,251	533,606	-1,000	72,0000	0,8696
24	0,86425	COMB5	Combination	-0,252	555,213	-1,000	72,0000	1,3018
24	0,00000	COMB6	Combination	-0,250	512,000	-1,000	72,0000	0,4375
24	0,43213	COMB6	Combination	-0,251	533,606	-1,000	72,0000	0,8696
24	0,86425	COMB6	Combination	-0,252	555,213	-1,000	72,0000	1,3018
24	0,00000	COMB8	Combination	-0,270	552,960	-1,080	77,7600	0,4725
24	0,43213	COMB8	Combination	-0,271	576,295	-1,080	77,7600	0,9392
24	0,86425	COMB8	Combination	-0,272	599,630	-1,080	77,7600	1,4059
24	0,00000	COMB8bis	Combination	-0,230	471,040	-0,920	66,2400	0,4025
24	0,43213	COMB8bis	Combination	-0,231	490,918	-0,920	66,2400	0,8001
24	0,86425	COMB8bis	Combination	-0,232	510,796	-0,920	66,2400	1,1976
25	0,00000	COMB1	Combination	-1,000	-256,000	0,219	-264,0000	1,5195
25	0,34475	COMB1	Combination	-1,000	-238,763	0,219	-264,0000	1,4441
25	0,68949	COMB1	Combination	-1,000	-221,525	0,219	-264,0000	1,3687
25	1,03424	COMB1	Combination	-1,000	-204,288	0,219	-264,0000	1,2933

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
25	0,00000	COMB2	Combination	-1,000	-256,000	0,219	-264,0000	1,5195
25	0,34475	COMB2	Combination	-1,000	-238,763	0,219	-264,0000	1,4441
25	0,68949	COMB2	Combination	-1,000	-221,525	0,219	-264,0000	1,3687
25	1,03424	COMB2	Combination	-1,000	-204,288	0,219	-264,0000	1,2933
25	0,00000	COMB4	Combination	-1,000	-256,000	0,219	-264,0000	1,5195
25	0,34475	COMB4	Combination	-1,000	-238,763	0,219	-264,0000	1,4441
25	0,68949	COMB4	Combination	-1,000	-221,525	0,219	-264,0000	1,3687
25	1,03424	COMB4	Combination	-1,000	-204,288	0,219	-264,0000	1,2933
25	0,00000	COMB5	Combination	-1,000	-256,000	0,219	-264,0000	1,5195
25	0,34475	COMB5	Combination	-1,000	-238,763	0,219	-264,0000	1,4441
25	0,68949	COMB5	Combination	-1,000	-221,525	0,219	-264,0000	1,3687
25	1,03424	COMB5	Combination	-1,000	-204,288	0,219	-264,0000	1,2933
25	0,00000	COMB6	Combination	-1,000	-256,000	0,219	-264,0000	1,5195
25	0,34475	COMB6	Combination	-1,000	-238,763	0,219	-264,0000	1,4441
25	0,68949	COMB6	Combination	-1,000	-221,525	0,219	-264,0000	1,3687
25	1,03424	COMB6	Combination	-1,000	-204,288	0,219	-264,0000	1,2933
25	0,00000	COMB8	Combination	-1,080	-276,480	0,236	-285,1200	1,6411
25	0,34475	COMB8	Combination	-1,080	-257,864	0,236	-285,1200	1,5596
25	0,68949	COMB8	Combination	-1,080	-239,247	0,236	-285,1200	1,4782
25	1,03424	COMB8	Combination	-1,080	-220,631	0,236	-285,1200	1,3968
25	0,00000	COMB8bis	Combination	-0,920	-235,520	0,201	-242,8800	1,3980
25	0,34475	COMB8bis	Combination	-0,920	-219,662	0,201	-242,8800	1,3286
25	0,68949	COMB8bis	Combination	-0,920	-203,803	0,201	-242,8800	1,2592
25	1,03424	COMB8bis	Combination	-0,920	-187,945	0,201	-242,8800	1,1898
26	0,00000	COMB1	Combination	-1,000	0,000	0,195	-272,0000	1,3125
26	0,34475	COMB1	Combination	-1,000	17,237	0,195	-272,0000	1,2452
26	0,68949	COMB1	Combination	-1,000	34,475	0,195	-272,0000	1,1778
26	1,03424	COMB1	Combination	-1,000	51,712	0,195	-272,0000	1,1105
26	0,00000	COMB2	Combination	-1,000	0,000	0,195	-272,0000	1,3125
26	0,34475	COMB2	Combination	-1,000	17,237	0,195	-272,0000	1,2452
26	0,68949	COMB2	Combination	-1,000	34,475	0,195	-272,0000	1,1778
26	1,03424	COMB2	Combination	-1,000	51,712	0,195	-272,0000	1,1105
26	0,00000	COMB4	Combination	-1,000	0,000	0,195	-272,0000	1,3125
26	0,34475	COMB4	Combination	-1,000	17,237	0,195	-272,0000	1,2452
26	0,68949	COMB4	Combination	-1,000	34,475	0,195	-272,0000	1,1778
26	1,03424	COMB4	Combination	-1,000	51,712	0,195	-272,0000	1,1105
26	0,00000	COMB5	Combination	-1,000	0,000	0,195	-272,0000	1,3125
26	0,34475	COMB5	Combination	-1,000	17,237	0,195	-272,0000	1,2452
26	0,68949	COMB5	Combination	-1,000	34,475	0,195	-272,0000	1,1778
26	1,03424	COMB5	Combination	-1,000	51,712	0,195	-272,0000	1,1105
26	0,00000	COMB6	Combination	-1,000	0,000	0,195	-272,0000	1,3125
26	0,34475	COMB6	Combination	-1,000	17,237	0,195	-272,0000	1,2452
26	0,68949	COMB6	Combination	-1,000	34,475	0,195	-272,0000	1,1778
26	1,03424	COMB6	Combination	-1,000	51,712	0,195	-272,0000	1,1105
26	0,00000	COMB8	Combination	-1,080	0,000	0,211	-293,7600	1,4175
26	0,34475	COMB8	Combination	-1,080	18,616	0,211	-293,7600	1,3448
26	0,68949	COMB8	Combination	-1,080	37,233	0,211	-293,7600	1,2721
26	1,03424	COMB8	Combination	-1,080	55,849	0,211	-293,7600	1,1993
26	0,00000	COMB8bis	Combination	-0,920	0,000	0,180	-250,2400	1,2075
26	0,34475	COMB8bis	Combination	-0,920	15,858	0,180	-250,2400	1,1456
26	0,68949	COMB8bis	Combination	-0,920	31,717	0,180	-250,2400	1,0836
26	1,03424	COMB8bis	Combination	-0,920	47,575	0,180	-250,2400	1,0217
27	0,00000	COMB1	Combination	-1,000	-256,000	0,172	-288,0000	1,0938
27	0,34475	COMB1	Combination	-1,000	-238,763	0,172	-288,0000	1,0345
27	0,68949	COMB1	Combination	-1,000	-221,525	0,172	-288,0000	0,9752

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
27	1,03424	COMB1	Combination	-1,000	-204,288	0,172	-288,0000	0,9160
27	0,00000	COMB2	Combination	-1,000	-256,000	0,172	-288,0000	1,0938
27	0,34475	COMB2	Combination	-1,000	-238,763	0,172	-288,0000	1,0345
27	0,68949	COMB2	Combination	-1,000	-221,525	0,172	-288,0000	0,9752
27	1,03424	COMB2	Combination	-1,000	-204,288	0,172	-288,0000	0,9160
27	0,00000	COMB4	Combination	-1,000	-256,000	0,172	-288,0000	1,0938
27	0,34475	COMB4	Combination	-1,000	-238,763	0,172	-288,0000	1,0345
27	0,68949	COMB4	Combination	-1,000	-221,525	0,172	-288,0000	0,9752
27	1,03424	COMB4	Combination	-1,000	-204,288	0,172	-288,0000	0,9160
27	0,00000	COMB5	Combination	-1,000	-256,000	0,172	-288,0000	1,0938
27	0,34475	COMB5	Combination	-1,000	-238,763	0,172	-288,0000	1,0345
27	0,68949	COMB5	Combination	-1,000	-221,525	0,172	-288,0000	0,9752
27	1,03424	COMB5	Combination	-1,000	-204,288	0,172	-288,0000	0,9160
27	0,00000	COMB6	Combination	-1,000	-256,000	0,172	-288,0000	1,0938
27	0,34475	COMB6	Combination	-1,000	-238,763	0,172	-288,0000	1,0345
27	0,68949	COMB6	Combination	-1,000	-221,525	0,172	-288,0000	0,9752
27	1,03424	COMB6	Combination	-1,000	-204,288	0,172	-288,0000	0,9160
27	0,00000	COMB8	Combination	-1,080	-276,480	0,186	-311,0400	1,1813
27	0,34475	COMB8	Combination	-1,080	-257,864	0,186	-311,0400	1,1173
27	0,68949	COMB8	Combination	-1,080	-239,247	0,186	-311,0400	1,0533
27	1,03424	COMB8	Combination	-1,080	-220,631	0,186	-311,0400	0,9893
27	0,00000	COMB8bis	Combination	-0,920	-235,520	0,158	-264,9600	1,0063
27	0,34475	COMB8bis	Combination	-0,920	-219,662	0,158	-264,9600	0,9517
27	0,68949	COMB8bis	Combination	-0,920	-203,803	0,158	-264,9600	0,8972
27	1,03424	COMB8bis	Combination	-0,920	-187,945	0,158	-264,9600	0,8427
28	0,00000	COMB1	Combination	-1,000	-128,000	0,234	-344,0000	0,9531
28	0,34475	COMB1	Combination	-1,000	-110,763	0,234	-344,0000	0,8723
28	0,68949	COMB1	Combination	-1,000	-93,525	0,234	-344,0000	0,7915
28	1,03424	COMB1	Combination	-1,000	-76,288	0,234	-344,0000	0,7107
28	0,00000	COMB2	Combination	-1,000	-128,000	0,234	-344,0000	0,9531
28	0,34475	COMB2	Combination	-1,000	-110,763	0,234	-344,0000	0,8723
28	0,68949	COMB2	Combination	-1,000	-93,525	0,234	-344,0000	0,7915
28	1,03424	COMB2	Combination	-1,000	-76,288	0,234	-344,0000	0,7107
28	0,00000	COMB4	Combination	-1,000	-128,000	0,234	-344,0000	0,9531
28	0,34475	COMB4	Combination	-1,000	-110,763	0,234	-344,0000	0,8723
28	0,68949	COMB4	Combination	-1,000	-93,525	0,234	-344,0000	0,7915
28	1,03424	COMB4	Combination	-1,000	-76,288	0,234	-344,0000	0,7107
28	0,00000	COMB5	Combination	-1,000	-128,000	0,234	-344,0000	0,9531
28	0,34475	COMB5	Combination	-1,000	-110,763	0,234	-344,0000	0,8723
28	0,68949	COMB5	Combination	-1,000	-93,525	0,234	-344,0000	0,7915
28	1,03424	COMB5	Combination	-1,000	-76,288	0,234	-344,0000	0,7107
28	0,00000	COMB6	Combination	-1,000	-128,000	0,234	-344,0000	0,9531
28	0,34475	COMB6	Combination	-1,000	-110,763	0,234	-344,0000	0,8723
28	0,68949	COMB6	Combination	-1,000	-93,525	0,234	-344,0000	0,7915
28	1,03424	COMB6	Combination	-1,000	-76,288	0,234	-344,0000	0,7107
28	0,00000	COMB8	Combination	-1,080	-138,240	0,253	-371,5200	1,0294
28	0,34475	COMB8	Combination	-1,080	-119,624	0,253	-371,5200	0,9421
28	0,68949	COMB8	Combination	-1,080	-101,007	0,253	-371,5200	0,8548
28	1,03424	COMB8	Combination	-1,080	-82,391	0,253	-371,5200	0,7676
28	0,00000	COMB8bis	Combination	-0,920	-117,760	0,216	-316,4800	0,8769
28	0,34475	COMB8bis	Combination	-0,920	-101,902	0,216	-316,4800	0,8025
28	0,68949	COMB8bis	Combination	-0,920	-86,043	0,216	-316,4800	0,7282
28	1,03424	COMB8bis	Combination	-0,920	-70,185	0,216	-316,4800	0,6539
29	0,00000	COMB1	Combination	-1,000	-192,000	0,188	-320,0000	0,7031
29	0,34475	COMB1	Combination	-1,000	-174,763	0,188	-320,0000	0,6385

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
29	0,68949	COMB1	Combination	-1,000	-157,525	0,188	-320,0000	0,5738
29	1,03424	COMB1	Combination	-1,000	-140,288	0,188	-320,0000	0,5092
29	0,00000	COMB2	Combination	-1,000	-192,000	0,188	-320,0000	0,7031
29	0,34475	COMB2	Combination	-1,000	-174,763	0,188	-320,0000	0,6385
29	0,68949	COMB2	Combination	-1,000	-157,525	0,188	-320,0000	0,5738
29	1,03424	COMB2	Combination	-1,000	-140,288	0,188	-320,0000	0,5092
29	0,00000	COMB4	Combination	-1,000	-192,000	0,188	-320,0000	0,7031
29	0,34475	COMB4	Combination	-1,000	-174,763	0,188	-320,0000	0,6385
29	0,68949	COMB4	Combination	-1,000	-157,525	0,188	-320,0000	0,5738
29	1,03424	COMB4	Combination	-1,000	-140,288	0,188	-320,0000	0,5092
29	0,00000	COMB5	Combination	-1,000	-192,000	0,188	-320,0000	0,7031
29	0,34475	COMB5	Combination	-1,000	-174,763	0,188	-320,0000	0,6385
29	0,68949	COMB5	Combination	-1,000	-157,525	0,188	-320,0000	0,5738
29	1,03424	COMB5	Combination	-1,000	-140,288	0,188	-320,0000	0,5092
29	0,00000	COMB6	Combination	-1,000	-192,000	0,188	-320,0000	0,7031
29	0,34475	COMB6	Combination	-1,000	-174,763	0,188	-320,0000	0,6385
29	0,68949	COMB6	Combination	-1,000	-157,525	0,188	-320,0000	0,5738
29	1,03424	COMB6	Combination	-1,000	-140,288	0,188	-320,0000	0,5092
29	0,00000	COMB8	Combination	-1,080	-207,360	0,203	-345,6000	0,7594
29	0,34475	COMB8	Combination	-1,080	-188,744	0,203	-345,6000	0,6896
29	0,68949	COMB8	Combination	-1,080	-170,127	0,203	-345,6000	0,6198
29	1,03424	COMB8	Combination	-1,080	-151,511	0,203	-345,6000	0,5499
29	0,00000	COMB8bis	Combination	-0,920	-176,640	0,173	-294,4000	0,6469
29	0,34475	COMB8bis	Combination	-0,920	-160,782	0,173	-294,4000	0,5874
29	0,68949	COMB8bis	Combination	-0,920	-144,923	0,173	-294,4000	0,5279
29	1,03424	COMB8bis	Combination	-0,920	-129,065	0,173	-294,4000	0,4685
30	0,00000	COMB1	Combination	-1,000	-192,000	0,219	-352,0000	0,5000
30	0,34475	COMB1	Combination	-1,000	-174,763	0,219	-352,0000	0,4246
30	0,68949	COMB1	Combination	-1,000	-157,525	0,219	-352,0000	0,3492
30	1,03424	COMB1	Combination	-1,000	-140,288	0,219	-352,0000	0,2738
30	0,00000	COMB2	Combination	-1,000	-192,000	0,219	-352,0000	0,5000
30	0,34475	COMB2	Combination	-1,000	-174,763	0,219	-352,0000	0,4246
30	0,68949	COMB2	Combination	-1,000	-157,525	0,219	-352,0000	0,3492
30	1,03424	COMB2	Combination	-1,000	-140,288	0,219	-352,0000	0,2738
30	0,00000	COMB4	Combination	-1,000	-192,000	0,219	-352,0000	0,5000
30	0,34475	COMB4	Combination	-1,000	-174,763	0,219	-352,0000	0,4246
30	0,68949	COMB4	Combination	-1,000	-157,525	0,219	-352,0000	0,3492
30	1,03424	COMB4	Combination	-1,000	-140,288	0,219	-352,0000	0,2738
30	0,00000	COMB5	Combination	-1,000	-192,000	0,219	-352,0000	0,5000
30	0,34475	COMB5	Combination	-1,000	-174,763	0,219	-352,0000	0,4246
30	0,68949	COMB5	Combination	-1,000	-157,525	0,219	-352,0000	0,3492
30	1,03424	COMB5	Combination	-1,000	-140,288	0,219	-352,0000	0,2738
30	0,00000	COMB6	Combination	-1,000	-192,000	0,219	-352,0000	0,5000
30	0,34475	COMB6	Combination	-1,000	-174,763	0,219	-352,0000	0,4246
30	0,68949	COMB6	Combination	-1,000	-157,525	0,219	-352,0000	0,3492
30	1,03424	COMB6	Combination	-1,000	-140,288	0,219	-352,0000	0,2738
30	0,00000	COMB8	Combination	-1,080	-207,360	0,236	-380,1600	0,5400
30	0,34475	COMB8	Combination	-1,080	-188,744	0,236	-380,1600	0,4586
30	0,68949	COMB8	Combination	-1,080	-170,127	0,236	-380,1600	0,3771
30	1,03424	COMB8	Combination	-1,080	-151,511	0,236	-380,1600	0,2957
30	0,00000	COMB8bis	Combination	-0,920	-176,640	0,201	-323,8400	0,4600
30	0,34475	COMB8bis	Combination	-0,920	-160,782	0,201	-323,8400	0,3906
30	0,68949	COMB8bis	Combination	-0,920	-144,923	0,201	-323,8400	0,3212
30	1,03424	COMB8bis	Combination	-0,920	-129,065	0,201	-323,8400	0,2519
31	0,00000	COMB1	Combination	-1,500	0,000	0,250	-344,0000	0,2500

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
31	0,34475	COMB1	Combination	-1,500	17,237	0,250	-344,0000	0,1638
31	0,68949	COMB1	Combination	-1,500	34,475	0,250	-344,0000	0,0776
31	1,03424	COMB1	Combination	-1,500	51,712	0,250	-344,0000	-0,0086
31	0,00000	COMB2	Combination	-1,500	0,000	0,250	-344,0000	0,2500
31	0,34475	COMB2	Combination	-1,500	17,237	0,250	-344,0000	0,1638
31	0,68949	COMB2	Combination	-1,500	34,475	0,250	-344,0000	0,0776
31	1,03424	COMB2	Combination	-1,500	51,712	0,250	-344,0000	-0,0086
31	0,00000	COMB4	Combination	-1,500	0,000	0,250	-344,0000	0,2500
31	0,34475	COMB4	Combination	-1,500	17,237	0,250	-344,0000	0,1638
31	0,68949	COMB4	Combination	-1,500	34,475	0,250	-344,0000	0,0776
31	1,03424	COMB4	Combination	-1,500	51,712	0,250	-344,0000	-0,0086
31	0,00000	COMB5	Combination	-1,500	0,000	0,250	-344,0000	0,2500
31	0,34475	COMB5	Combination	-1,500	17,237	0,250	-344,0000	0,1638
31	0,68949	COMB5	Combination	-1,500	34,475	0,250	-344,0000	0,0776
31	1,03424	COMB5	Combination	-1,500	51,712	0,250	-344,0000	-0,0086
31	0,00000	COMB6	Combination	-1,500	0,000	0,250	-344,0000	0,2500
31	0,34475	COMB6	Combination	-1,500	17,237	0,250	-344,0000	0,1638
31	0,68949	COMB6	Combination	-1,500	34,475	0,250	-344,0000	0,0776
31	1,03424	COMB6	Combination	-1,500	51,712	0,250	-344,0000	-0,0086
31	0,00000	COMB8	Combination	-1,620	0,000	0,270	-371,5200	0,2700
31	0,34475	COMB8	Combination	-1,620	18,616	0,270	-371,5200	0,1769
31	0,68949	COMB8	Combination	-1,620	37,233	0,270	-371,5200	0,0838
31	1,03424	COMB8	Combination	-1,620	55,849	0,270	-371,5200	-0,0092
31	0,00000	COMB8bis	Combination	-1,380	0,000	0,230	-316,4800	0,2300
31	0,34475	COMB8bis	Combination	-1,380	15,858	0,230	-316,4800	0,1507
31	0,68949	COMB8bis	Combination	-1,380	31,717	0,230	-316,4800	0,0714
31	1,03424	COMB8bis	Combination	-1,380	47,575	0,230	-316,4800	-0,0079
32	0,00000	COMB1	Combination	-1,000	-72,000	0,313	-360,0000	0,1250
32	0,34475	COMB1	Combination	-1,000	-54,763	0,313	-360,0000	0,0173
32	0,68949	COMB1	Combination	-1,000	-37,525	0,313	-360,0000	-0,0905
32	1,03424	COMB1	Combination	-1,000	-20,288	0,313	-360,0000	-0,1982
32	0,00000	COMB2	Combination	-1,000	-72,000	0,313	-360,0000	0,1250
32	0,34475	COMB2	Combination	-1,000	-54,763	0,313	-360,0000	0,0173
32	0,68949	COMB2	Combination	-1,000	-37,525	0,313	-360,0000	-0,0905
32	1,03424	COMB2	Combination	-1,000	-20,288	0,313	-360,0000	-0,1982
32	0,00000	COMB4	Combination	-1,000	-72,000	0,313	-360,0000	0,1250
32	0,34475	COMB4	Combination	-1,000	-54,763	0,313	-360,0000	0,0173
32	0,68949	COMB4	Combination	-1,000	-37,525	0,313	-360,0000	-0,0905
32	1,03424	COMB4	Combination	-1,000	-20,288	0,313	-360,0000	-0,1982
32	0,00000	COMB5	Combination	-1,000	-72,000	0,313	-360,0000	0,1250
32	0,34475	COMB5	Combination	-1,000	-54,763	0,313	-360,0000	0,0173
32	0,68949	COMB5	Combination	-1,000	-37,525	0,313	-360,0000	-0,0905
32	1,03424	COMB5	Combination	-1,000	-20,288	0,313	-360,0000	-0,1982
32	0,00000	COMB6	Combination	-1,000	-72,000	0,313	-360,0000	0,1250
32	0,34475	COMB6	Combination	-1,000	-54,763	0,313	-360,0000	0,0173
32	0,68949	COMB6	Combination	-1,000	-37,525	0,313	-360,0000	-0,0905
32	1,03424	COMB6	Combination	-1,000	-20,288	0,313	-360,0000	-0,1982
32	0,00000	COMB8	Combination	-1,080	-77,760	0,338	-388,8000	0,1350
32	0,34475	COMB8	Combination	-1,080	-59,144	0,338	-388,8000	0,0186
32	0,68949	COMB8	Combination	-1,080	-40,527	0,338	-388,8000	-0,0977
32	1,03424	COMB8	Combination	-1,080	-21,911	0,338	-388,8000	-0,2141
32	0,00000	COMB8bis	Combination	-0,920	-66,240	0,288	-331,2000	0,1150
32	0,34475	COMB8bis	Combination	-0,920	-50,382	0,288	-331,2000	0,0159
32	0,68949	COMB8bis	Combination	-0,920	-34,523	0,288	-331,2000	-0,0832
32	1,03424	COMB8bis	Combination	-0,920	-18,665	0,288	-331,2000	-0,1823

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
33	0,00000	COMB1	Combination	-1,000	0,000	0,250	-368,0000	-0,2813
33	0,34475	COMB1	Combination	-1,000	17,237	0,250	-368,0000	-0,3674
33	0,68949	COMB1	Combination	-1,000	34,475	0,250	-368,0000	-0,4536
33	1,03424	COMB1	Combination	-1,000	51,712	0,250	-368,0000	-0,5398
33	0,00000	COMB2	Combination	-1,000	0,000	0,250	-368,0000	-0,2813
33	0,34475	COMB2	Combination	-1,000	17,237	0,250	-368,0000	-0,3674
33	0,68949	COMB2	Combination	-1,000	34,475	0,250	-368,0000	-0,4536
33	1,03424	COMB2	Combination	-1,000	51,712	0,250	-368,0000	-0,5398
33	0,00000	COMB4	Combination	-1,000	0,000	0,250	-368,0000	-0,2813
33	0,34475	COMB4	Combination	-1,000	17,237	0,250	-368,0000	-0,3674
33	0,68949	COMB4	Combination	-1,000	34,475	0,250	-368,0000	-0,4536
33	1,03424	COMB4	Combination	-1,000	51,712	0,250	-368,0000	-0,5398
33	0,00000	COMB5	Combination	-1,000	0,000	0,250	-368,0000	-0,2813
33	0,34475	COMB5	Combination	-1,000	17,237	0,250	-368,0000	-0,3674
33	0,68949	COMB5	Combination	-1,000	34,475	0,250	-368,0000	-0,4536
33	1,03424	COMB5	Combination	-1,000	51,712	0,250	-368,0000	-0,5398
33	0,00000	COMB6	Combination	-1,000	0,000	0,250	-368,0000	-0,2813
33	0,34475	COMB6	Combination	-1,000	17,237	0,250	-368,0000	-0,3674
33	0,68949	COMB6	Combination	-1,000	34,475	0,250	-368,0000	-0,4536
33	1,03424	COMB6	Combination	-1,000	51,712	0,250	-368,0000	-0,5398
33	0,00000	COMB8	Combination	-1,080	0,000	0,270	-397,4400	-0,3038
33	0,34475	COMB8	Combination	-1,080	18,616	0,270	-397,4400	-0,3968
33	0,68949	COMB8	Combination	-1,080	37,233	0,270	-397,4400	-0,4899
33	1,03424	COMB8	Combination	-1,080	55,849	0,270	-397,4400	-0,5830
33	0,00000	COMB8bis	Combination	-0,920	0,000	0,230	-338,5600	-0,2588
33	0,34475	COMB8bis	Combination	-0,920	15,858	0,230	-338,5600	-0,3380
33	0,68949	COMB8bis	Combination	-0,920	31,717	0,230	-338,5600	-0,4173
33	1,03424	COMB8bis	Combination	-0,920	47,575	0,230	-338,5600	-0,4966
34	0,00000	COMB1	Combination	0,500	64,000	0,250	-376,0000	-0,6563
34	0,34475	COMB1	Combination	0,500	81,237	0,250	-376,0000	-0,7424
34	0,68949	COMB1	Combination	0,500	98,475	0,250	-376,0000	-0,8286
34	1,03424	COMB1	Combination	0,500	115,712	0,250	-376,0000	-0,9148
34	0,00000	COMB2	Combination	0,500	64,000	0,250	-376,0000	-0,6563
34	0,34475	COMB2	Combination	0,500	81,237	0,250	-376,0000	-0,7424
34	0,68949	COMB2	Combination	0,500	98,475	0,250	-376,0000	-0,8286
34	1,03424	COMB2	Combination	0,500	115,712	0,250	-376,0000	-0,9148
34	0,00000	COMB4	Combination	0,500	64,000	0,250	-376,0000	-0,6563
34	0,34475	COMB4	Combination	0,500	81,237	0,250	-376,0000	-0,7424
34	0,68949	COMB4	Combination	0,500	98,475	0,250	-376,0000	-0,8286
34	1,03424	COMB4	Combination	0,500	115,712	0,250	-376,0000	-0,9148
34	0,00000	COMB5	Combination	0,500	64,000	0,250	-376,0000	-0,6563
34	0,34475	COMB5	Combination	0,500	81,237	0,250	-376,0000	-0,7424
34	0,68949	COMB5	Combination	0,500	98,475	0,250	-376,0000	-0,8286
34	1,03424	COMB5	Combination	0,500	115,712	0,250	-376,0000	-0,9148
34	0,00000	COMB6	Combination	0,500	64,000	0,250	-376,0000	-0,6563
34	0,34475	COMB6	Combination	0,500	81,237	0,250	-376,0000	-0,7424
34	0,68949	COMB6	Combination	0,500	98,475	0,250	-376,0000	-0,8286
34	1,03424	COMB6	Combination	0,500	115,712	0,250	-376,0000	-0,9148
34	0,00000	COMB8	Combination	0,540	69,120	0,270	-406,0800	-0,7088
34	0,34475	COMB8	Combination	0,540	87,736	0,270	-406,0800	-0,8018
34	0,68949	COMB8	Combination	0,540	106,353	0,270	-406,0800	-0,8949
34	1,03424	COMB8	Combination	0,540	124,969	0,270	-406,0800	-0,9880
34	0,00000	COMB8bis	Combination	0,460	58,880	0,230	-345,9200	-0,6038
34	0,34475	COMB8bis	Combination	0,460	74,738	0,230	-345,9200	-0,6830
34	0,68949	COMB8bis	Combination	0,460	90,597	0,230	-345,9200	-0,7623

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
34	1,03424	COMB8bis	Combination	0,460	106,455	0,230	-345,9200	-0,8416
35	0,00000	COMB1	Combination	1,000	128,000	0,125	-376,0000	-0,8438
35	0,34475	COMB1	Combination	1,000	145,237	0,125	-376,0000	-0,8868
35	0,68949	COMB1	Combination	1,000	162,475	0,125	-376,0000	-0,9299
35	1,03424	COMB1	Combination	1,000	179,712	0,125	-376,0000	-0,9730
35	0,00000	COMB2	Combination	1,000	128,000	0,125	-376,0000	-0,8438
35	0,34475	COMB2	Combination	1,000	145,237	0,125	-376,0000	-0,8868
35	0,68949	COMB2	Combination	1,000	162,475	0,125	-376,0000	-0,9299
35	1,03424	COMB2	Combination	1,000	179,712	0,125	-376,0000	-0,9730
35	0,00000	COMB4	Combination	1,000	128,000	0,125	-376,0000	-0,8438
35	0,34475	COMB4	Combination	1,000	145,237	0,125	-376,0000	-0,8868
35	0,68949	COMB4	Combination	1,000	162,475	0,125	-376,0000	-0,9299
35	1,03424	COMB4	Combination	1,000	179,712	0,125	-376,0000	-0,9730
35	0,00000	COMB5	Combination	1,000	128,000	0,125	-376,0000	-0,8438
35	0,34475	COMB5	Combination	1,000	145,237	0,125	-376,0000	-0,8868
35	0,68949	COMB5	Combination	1,000	162,475	0,125	-376,0000	-0,9299
35	1,03424	COMB5	Combination	1,000	179,712	0,125	-376,0000	-0,9730
35	0,00000	COMB6	Combination	1,000	128,000	0,125	-376,0000	-0,8438
35	0,34475	COMB6	Combination	1,000	145,237	0,125	-376,0000	-0,8868
35	0,68949	COMB6	Combination	1,000	162,475	0,125	-376,0000	-0,9299
35	1,03424	COMB6	Combination	1,000	179,712	0,125	-376,0000	-0,9730
35	0,00000	COMB8	Combination	1,080	138,240	0,135	-406,0800	-0,9113
35	0,34475	COMB8	Combination	1,080	156,856	0,135	-406,0800	-0,9578
35	0,68949	COMB8	Combination	1,080	175,473	0,135	-406,0800	-1,0043
35	1,03424	COMB8	Combination	1,080	194,089	0,135	-406,0800	-1,0509
35	0,00000	COMB8bis	Combination	0,920	117,760	0,115	-345,9200	-0,7763
35	0,34475	COMB8bis	Combination	0,920	133,618	0,115	-345,9200	-0,8159
35	0,68949	COMB8bis	Combination	0,920	149,477	0,115	-345,9200	-0,8555
35	1,03424	COMB8bis	Combination	0,920	165,335	0,115	-345,9200	-0,8952
36	0,00000	COMB1	Combination	1,000	0,000	0,125	-400,0000	-1,0625
36	0,34475	COMB1	Combination	1,000	17,237	0,125	-400,0000	-1,1056
36	0,68949	COMB1	Combination	1,000	34,475	0,125	-400,0000	-1,1487
36	1,03424	COMB1	Combination	1,000	51,712	0,125	-400,0000	-1,1918
36	0,00000	COMB2	Combination	1,000	0,000	0,125	-400,0000	-1,0625
36	0,34475	COMB2	Combination	1,000	17,237	0,125	-400,0000	-1,1056
36	0,68949	COMB2	Combination	1,000	34,475	0,125	-400,0000	-1,1487
36	1,03424	COMB2	Combination	1,000	51,712	0,125	-400,0000	-1,1918
36	0,00000	COMB4	Combination	1,000	0,000	0,125	-400,0000	-1,0625
36	0,34475	COMB4	Combination	1,000	17,237	0,125	-400,0000	-1,1056
36	0,68949	COMB4	Combination	1,000	34,475	0,125	-400,0000	-1,1487
36	1,03424	COMB4	Combination	1,000	51,712	0,125	-400,0000	-1,1918
36	0,00000	COMB5	Combination	1,000	0,000	0,125	-400,0000	-1,0625
36	0,34475	COMB5	Combination	1,000	17,237	0,125	-400,0000	-1,1056
36	0,68949	COMB5	Combination	1,000	34,475	0,125	-400,0000	-1,1487
36	1,03424	COMB5	Combination	1,000	51,712	0,125	-400,0000	-1,1918
36	0,00000	COMB6	Combination	1,000	0,000	0,125	-400,0000	-1,0625
36	0,34475	COMB6	Combination	1,000	17,237	0,125	-400,0000	-1,1056
36	0,68949	COMB6	Combination	1,000	34,475	0,125	-400,0000	-1,1487
36	1,03424	COMB6	Combination	1,000	51,712	0,125	-400,0000	-1,1918
36	0,00000	COMB8	Combination	1,080	0,000	0,135	-432,0000	-1,1475
36	0,34475	COMB8	Combination	1,080	18,616	0,135	-432,0000	-1,1940
36	0,68949	COMB8	Combination	1,080	37,233	0,135	-432,0000	-1,2406
36	1,03424	COMB8	Combination	1,080	55,849	0,135	-432,0000	-1,2871
36	0,00000	COMB8bis	Combination	0,920	0,000	0,115	-368,0000	-0,9775
36	0,34475	COMB8bis	Combination	0,920	15,858	0,115	-368,0000	-1,0171

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
36	0,68949	COMB8bis	Combination	0,920	31,717	0,115	-368,0000	-1,0568
36	1,03424	COMB8bis	Combination	0,920	47,575	0,115	-368,0000	-1,0964
37	0,00000	COMB1	Combination	0,250	0,000	0,000	568,0000	-1,0625
37	0,43214	COMB1	Combination	0,251	21,607	0,000	568,0000	-1,0625
37	0,86429	COMB1	Combination	0,252	43,214	0,000	568,0000	-1,0625
37	0,00000	COMB2	Combination	0,250	0,000	0,000	568,0000	-1,0625
37	0,43214	COMB2	Combination	0,251	21,607	0,000	568,0000	-1,0625
37	0,86429	COMB2	Combination	0,252	43,214	0,000	568,0000	-1,0625
37	0,00000	COMB4	Combination	0,250	0,000	0,000	568,0000	-1,0625
37	0,43214	COMB4	Combination	0,251	21,607	0,000	568,0000	-1,0625
37	0,86429	COMB4	Combination	0,252	43,214	0,000	568,0000	-1,0625
37	0,00000	COMB5	Combination	0,250	0,000	0,000	568,0000	-1,0625
37	0,43214	COMB5	Combination	0,251	21,607	0,000	568,0000	-1,0625
37	0,86429	COMB5	Combination	0,252	43,214	0,000	568,0000	-1,0625
37	0,00000	COMB6	Combination	0,250	0,000	0,000	568,0000	-1,0625
37	0,43214	COMB6	Combination	0,251	21,607	0,000	568,0000	-1,0625
37	0,86429	COMB6	Combination	0,252	43,214	0,000	568,0000	-1,0625
37	0,00000	COMB8	Combination	0,270	0,000	0,000	613,4400	-1,1475
37	0,43214	COMB8	Combination	0,271	23,336	0,000	613,4400	-1,1475
37	0,86429	COMB8	Combination	0,272	46,671	0,000	613,4400	-1,1475
37	0,00000	COMB8bis	Combination	0,230	0,000	0,000	522,5600	-0,9775
37	0,43214	COMB8bis	Combination	0,231	19,879	0,000	522,5600	-0,9775
37	0,86429	COMB8bis	Combination	0,232	39,757	0,000	522,5600	-0,9775
38	0,00000	COMB1	Combination	0,500	256,000	0,250	552,0000	-0,8750
38	0,43214	COMB1	Combination	0,501	277,607	0,250	552,0000	-0,9830
38	0,86429	COMB1	Combination	0,502	299,214	0,250	552,0000	-1,0911
38	0,00000	COMB2	Combination	0,500	256,000	0,250	552,0000	-0,8750
38	0,43214	COMB2	Combination	0,501	277,607	0,250	552,0000	-0,9830
38	0,86429	COMB2	Combination	0,502	299,214	0,250	552,0000	-1,0911
38	0,00000	COMB4	Combination	0,500	256,000	0,250	552,0000	-0,8750
38	0,43214	COMB4	Combination	0,501	277,607	0,250	552,0000	-0,9830
38	0,86429	COMB4	Combination	0,502	299,214	0,250	552,0000	-1,0911
38	0,00000	COMB5	Combination	0,500	256,000	0,250	552,0000	-0,8750
38	0,43214	COMB5	Combination	0,501	277,607	0,250	552,0000	-0,9830
38	0,86429	COMB5	Combination	0,502	299,214	0,250	552,0000	-1,0911
38	0,00000	COMB6	Combination	0,500	256,000	0,250	552,0000	-0,8750
38	0,43214	COMB6	Combination	0,501	277,607	0,250	552,0000	-0,9830
38	0,86429	COMB6	Combination	0,502	299,214	0,250	552,0000	-1,0911
38	0,00000	COMB8	Combination	0,540	276,480	0,270	596,1600	-0,9450
38	0,43214	COMB8	Combination	0,541	299,816	0,270	596,1600	-1,0617
38	0,86429	COMB8	Combination	0,542	323,151	0,270	596,1600	-1,1784
38	0,00000	COMB8bis	Combination	0,460	235,520	0,230	507,8400	-0,8050
38	0,43214	COMB8bis	Combination	0,461	255,399	0,230	507,8400	-0,9044
38	0,86429	COMB8bis	Combination	0,462	275,277	0,230	507,8400	-1,0038
39	0,00000	COMB1	Combination	0,000	256,000	-0,250	544,0000	-1,0000
39	0,43214	COMB1	Combination	1,066E-03	277,607	-0,250	544,0000	-0,8920
39	0,86429	COMB1	Combination	2,131E-03	299,214	-0,250	544,0000	-0,7839
39	0,00000	COMB2	Combination	0,000	256,000	-0,250	544,0000	-1,0000
39	0,43214	COMB2	Combination	1,066E-03	277,607	-0,250	544,0000	-0,8920
39	0,86429	COMB2	Combination	2,131E-03	299,214	-0,250	544,0000	-0,7839
39	0,00000	COMB4	Combination	0,000	256,000	-0,250	544,0000	-1,0000
39	0,43214	COMB4	Combination	1,066E-03	277,607	-0,250	544,0000	-0,8920
39	0,86429	COMB4	Combination	2,131E-03	299,214	-0,250	544,0000	-0,7839
39	0,00000	COMB5	Combination	0,000	256,000	-0,250	544,0000	-1,0000
39	0,43214	COMB5	Combination	1,066E-03	277,607	-0,250	544,0000	-0,8920

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
39	0,86429	COMB5	Combination	2,131E-03	299,214	-0,250	544,0000	-0,7839
39	0,00000	COMB6	Combination	0,000	256,000	-0,250	544,0000	-1,0000
39	0,43214	COMB6	Combination	1,066E-03	277,607	-0,250	544,0000	-0,8920
39	0,86429	COMB6	Combination	2,131E-03	299,214	-0,250	544,0000	-0,7839
39	0,00000	COMB8	Combination	0,000	276,480	-0,270	587,5200	-1,0800
39	0,43214	COMB8	Combination	1,151E-03	299,816	-0,270	587,5200	-0,9633
39	0,86429	COMB8	Combination	2,302E-03	323,151	-0,270	587,5200	-0,8466
39	0,00000	COMB8bis	Combination	0,000	235,520	-0,230	500,4800	-0,9200
39	0,43214	COMB8bis	Combination	9,804E-04	255,399	-0,230	500,4800	-0,8206
39	0,86429	COMB8bis	Combination	1,961E-03	275,277	-0,230	500,4800	-0,7212
40	0,00000	COMB1	Combination	-0,500	-256,000	-0,500	536,0000	-1,0000
40	0,43214	COMB1	Combination	-0,499	-234,393	-0,500	536,0000	-0,7839
40	0,86429	COMB1	Combination	-0,498	-212,786	-0,500	536,0000	-0,5679
40	0,00000	COMB2	Combination	-0,500	-256,000	-0,500	536,0000	-1,0000
40	0,43214	COMB2	Combination	-0,499	-234,393	-0,500	536,0000	-0,7839
40	0,86429	COMB2	Combination	-0,498	-212,786	-0,500	536,0000	-0,5679
40	0,00000	COMB4	Combination	-0,500	-256,000	-0,500	536,0000	-1,0000
40	0,43214	COMB4	Combination	-0,499	-234,393	-0,500	536,0000	-0,7839
40	0,86429	COMB4	Combination	-0,498	-212,786	-0,500	536,0000	-0,5679
40	0,00000	COMB5	Combination	-0,500	-256,000	-0,500	536,0000	-1,0000
40	0,43214	COMB5	Combination	-0,499	-234,393	-0,500	536,0000	-0,7839
40	0,86429	COMB5	Combination	-0,498	-212,786	-0,500	536,0000	-0,5679
40	0,00000	COMB6	Combination	-0,500	-256,000	-0,500	536,0000	-1,0000
40	0,43214	COMB6	Combination	-0,499	-234,393	-0,500	536,0000	-0,7839
40	0,86429	COMB6	Combination	-0,498	-212,786	-0,500	536,0000	-0,5679
40	0,00000	COMB8	Combination	-0,540	-276,480	-0,540	578,8800	-1,0800
40	0,43214	COMB8	Combination	-0,539	-253,144	-0,540	578,8800	-0,8466
40	0,86429	COMB8	Combination	-0,538	-229,809	-0,540	578,8800	-0,6133
40	0,00000	COMB8bis	Combination	-0,460	-235,520	-0,460	493,1200	-0,9200
40	0,43214	COMB8bis	Combination	-0,459	-215,641	-0,460	493,1200	-0,7212
40	0,86429	COMB8bis	Combination	-0,458	-195,763	-0,460	493,1200	-0,5224
41	0,00000	COMB1	Combination	-1,500	256,000	-1,500	520,0000	-0,2500
41	0,43214	COMB1	Combination	-1,499	277,607	-1,500	520,0000	0,3982
41	0,86429	COMB1	Combination	-1,498	299,214	-1,500	520,0000	1,0464
41	0,00000	COMB2	Combination	-1,500	256,000	-1,500	520,0000	-0,2500
41	0,43214	COMB2	Combination	-1,499	277,607	-1,500	520,0000	0,3982
41	0,86429	COMB2	Combination	-1,498	299,214	-1,500	520,0000	1,0464
41	0,00000	COMB4	Combination	-1,500	256,000	-1,500	520,0000	-0,2500
41	0,43214	COMB4	Combination	-1,499	277,607	-1,500	520,0000	0,3982
41	0,86429	COMB4	Combination	-1,498	299,214	-1,500	520,0000	1,0464
41	0,00000	COMB5	Combination	-1,500	256,000	-1,500	520,0000	-0,2500
41	0,43214	COMB5	Combination	-1,499	277,607	-1,500	520,0000	0,3982
41	0,86429	COMB5	Combination	-1,498	299,214	-1,500	520,0000	1,0464
41	0,00000	COMB6	Combination	-1,500	256,000	-1,500	520,0000	-0,2500
41	0,43214	COMB6	Combination	-1,499	277,607	-1,500	520,0000	0,3982
41	0,86429	COMB6	Combination	-1,498	299,214	-1,500	520,0000	1,0464
41	0,00000	COMB8	Combination	-1,620	276,480	-1,620	561,6000	-0,2700
41	0,43214	COMB8	Combination	-1,619	299,816	-1,620	561,6000	0,4301
41	0,86429	COMB8	Combination	-1,618	323,151	-1,620	561,6000	1,1301
41	0,00000	COMB8bis	Combination	-1,380	235,520	-1,380	478,4000	-0,2300
41	0,43214	COMB8bis	Combination	-1,379	255,399	-1,380	478,4000	0,3664
41	0,86429	COMB8bis	Combination	-1,378	275,277	-1,380	478,4000	0,9627
42	0,00000	COMB1	Combination	-0,750	256,000	-1,500	520,0000	0,5000
42	0,43214	COMB1	Combination	-0,749	277,607	-1,500	520,0000	1,1482
42	0,86429	COMB1	Combination	-0,748	299,214	-1,500	520,0000	1,7964

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
42	0,00000	COMB2	Combination	-0,750	256,000	-1,500	520,0000	0,5000
42	0,43214	COMB2	Combination	-0,749	277,607	-1,500	520,0000	1,1482
42	0,86429	COMB2	Combination	-0,748	299,214	-1,500	520,0000	1,7964
42	0,00000	COMB4	Combination	-0,750	256,000	-1,500	520,0000	0,5000
42	0,43214	COMB4	Combination	-0,749	277,607	-1,500	520,0000	1,1482
42	0,86429	COMB4	Combination	-0,748	299,214	-1,500	520,0000	1,7964
42	0,00000	COMB5	Combination	-0,750	256,000	-1,500	520,0000	0,5000
42	0,43214	COMB5	Combination	-0,749	277,607	-1,500	520,0000	1,1482
42	0,86429	COMB5	Combination	-0,748	299,214	-1,500	520,0000	1,7964
42	0,00000	COMB6	Combination	-0,750	256,000	-1,500	520,0000	0,5000
42	0,43214	COMB6	Combination	-0,749	277,607	-1,500	520,0000	1,1482
42	0,86429	COMB6	Combination	-0,748	299,214	-1,500	520,0000	1,7964
42	0,00000	COMB8	Combination	-0,810	276,480	-1,620	561,6000	0,5400
42	0,43214	COMB8	Combination	-0,809	299,816	-1,620	561,6000	1,2401
42	0,86429	COMB8	Combination	-0,808	323,151	-1,620	561,6000	1,9401
42	0,00000	COMB8bis	Combination	-0,690	235,520	-1,380	478,4000	0,4600
42	0,43214	COMB8bis	Combination	-0,689	255,399	-1,380	478,4000	1,0564
42	0,86429	COMB8bis	Combination	-0,688	275,277	-1,380	478,4000	1,6527
43	0,00000	COMB1	Combination	-0,250	1024,000	-1,250	504,0000	1,8750
43	0,43214	COMB1	Combination	-0,249	1045,607	-1,250	504,0000	2,4152
43	0,86429	COMB1	Combination	-0,248	1067,214	-1,250	504,0000	2,9554
43	0,00000	COMB2	Combination	-0,250	1024,000	-1,250	504,0000	1,8750
43	0,43214	COMB2	Combination	-0,249	1045,607	-1,250	504,0000	2,4152
43	0,86429	COMB2	Combination	-0,248	1067,214	-1,250	504,0000	2,9554
43	0,00000	COMB4	Combination	-0,250	1024,000	-1,250	504,0000	1,8750
43	0,43214	COMB4	Combination	-0,249	1045,607	-1,250	504,0000	2,4152
43	0,86429	COMB4	Combination	-0,248	1067,214	-1,250	504,0000	2,9554
43	0,00000	COMB5	Combination	-0,250	1024,000	-1,250	504,0000	1,8750
43	0,43214	COMB5	Combination	-0,249	1045,607	-1,250	504,0000	2,4152
43	0,86429	COMB5	Combination	-0,248	1067,214	-1,250	504,0000	2,9554
43	0,00000	COMB6	Combination	-0,250	1024,000	-1,250	504,0000	1,8750
43	0,43214	COMB6	Combination	-0,249	1045,607	-1,250	504,0000	2,4152
43	0,86429	COMB6	Combination	-0,248	1067,214	-1,250	504,0000	2,9554
43	0,00000	COMB8	Combination	-0,270	1105,920	-1,350	544,3200	2,0250
43	0,43214	COMB8	Combination	-0,269	1129,256	-1,350	544,3200	2,6084
43	0,86429	COMB8	Combination	-0,268	1152,591	-1,350	544,3200	3,1918
43	0,00000	COMB8bis	Combination	-0,230	942,080	-1,150	463,6800	1,7250
43	0,43214	COMB8bis	Combination	-0,229	961,959	-1,150	463,6800	2,2220
43	0,86429	COMB8bis	Combination	-0,228	981,837	-1,150	463,6800	2,7189
44	0,00000	COMB1	Combination	0,000	-512,000	0,250	88,0000	2,3750
44	0,45415	COMB1	Combination	5,840E-05	-489,292	0,250	88,0000	2,2615
44	0,90831	COMB1	Combination	1,168E-04	-466,585	0,250	88,0000	2,1479
44	0,00000	COMB2	Combination	0,000	-512,000	0,250	88,0000	2,3750
44	0,45415	COMB2	Combination	5,840E-05	-489,292	0,250	88,0000	2,2615
44	0,90831	COMB2	Combination	1,168E-04	-466,585	0,250	88,0000	2,1479
44	0,00000	COMB4	Combination	0,000	-512,000	0,250	88,0000	2,3750
44	0,45415	COMB4	Combination	5,840E-05	-489,292	0,250	88,0000	2,2615
44	0,90831	COMB4	Combination	1,168E-04	-466,585	0,250	88,0000	2,1479
44	0,00000	COMB5	Combination	0,000	-512,000	0,250	88,0000	2,3750
44	0,45415	COMB5	Combination	5,840E-05	-489,292	0,250	88,0000	2,2615
44	0,90831	COMB5	Combination	1,168E-04	-466,585	0,250	88,0000	2,1479
44	0,00000	COMB6	Combination	0,000	-512,000	0,250	88,0000	2,3750
44	0,45415	COMB6	Combination	5,840E-05	-489,292	0,250	88,0000	2,2615
44	0,90831	COMB6	Combination	1,168E-04	-466,585	0,250	88,0000	2,1479
44	0,00000	COMB8	Combination	0,000	-552,960	0,270	95,0400	2,5650

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
44	0,45415	COMB8	Combination	6,307E-05	-528,436	0,270	95,0400	2,4424
44	0,90831	COMB8	Combination	1,261E-04	-503,911	0,270	95,0400	2,3198
44	0,00000	COMB8bis	Combination	0,000	-471,040	0,230	80,9600	2,1850
44	0,45415	COMB8bis	Combination	5,373E-05	-450,149	0,230	80,9600	2,0805
44	0,90831	COMB8bis	Combination	1,075E-04	-429,258	0,230	80,9600	1,9761
45	0,00000	COMB1	Combination	-0,250	0,000	0,750	112,0000	2,3750
45	0,45415	COMB1	Combination	-0,250	22,708	0,750	112,0000	2,0344
45	0,90831	COMB1	Combination	-0,250	45,415	0,750	112,0000	1,6938
45	0,00000	COMB2	Combination	-0,250	0,000	0,750	112,0000	2,3750
45	0,45415	COMB2	Combination	-0,250	22,708	0,750	112,0000	2,0344
45	0,90831	COMB2	Combination	-0,250	45,415	0,750	112,0000	1,6938
45	0,00000	COMB4	Combination	-0,250	0,000	0,750	112,0000	2,3750
45	0,45415	COMB4	Combination	-0,250	22,708	0,750	112,0000	2,0344
45	0,90831	COMB4	Combination	-0,250	45,415	0,750	112,0000	1,6938
45	0,00000	COMB5	Combination	-0,250	0,000	0,750	112,0000	2,3750
45	0,45415	COMB5	Combination	-0,250	22,708	0,750	112,0000	2,0344
45	0,90831	COMB5	Combination	-0,250	45,415	0,750	112,0000	1,6938
45	0,00000	COMB6	Combination	-0,250	0,000	0,750	112,0000	2,3750
45	0,45415	COMB6	Combination	-0,250	22,708	0,750	112,0000	2,0344
45	0,90831	COMB6	Combination	-0,250	45,415	0,750	112,0000	1,6938
45	0,00000	COMB8	Combination	-0,270	0,000	0,810	120,9600	2,5650
45	0,45415	COMB8	Combination	-0,270	24,524	0,810	120,9600	2,1971
45	0,90831	COMB8	Combination	-0,270	49,049	0,810	120,9600	1,8293
45	0,00000	COMB8bis	Combination	-0,230	0,000	0,690	103,0400	2,1850
45	0,45415	COMB8bis	Combination	-0,230	20,891	0,690	103,0400	1,8716
45	0,90831	COMB8bis	Combination	-0,230	41,782	0,690	103,0400	1,5583
46	0,00000	COMB1	Combination	0,500	0,000	1,000	112,0000	1,6250
46	0,45415	COMB1	Combination	0,500	22,708	1,000	112,0000	1,1708
46	0,90831	COMB1	Combination	0,500	45,415	1,000	112,0000	0,7167
46	0,00000	COMB2	Combination	0,500	0,000	1,000	112,0000	1,6250
46	0,45415	COMB2	Combination	0,500	22,708	1,000	112,0000	1,1708
46	0,90831	COMB2	Combination	0,500	45,415	1,000	112,0000	0,7167
46	0,00000	COMB4	Combination	0,500	0,000	1,000	112,0000	1,6250
46	0,45415	COMB4	Combination	0,500	22,708	1,000	112,0000	1,1708
46	0,90831	COMB4	Combination	0,500	45,415	1,000	112,0000	0,7167
46	0,00000	COMB5	Combination	0,500	0,000	1,000	112,0000	1,6250
46	0,45415	COMB5	Combination	0,500	22,708	1,000	112,0000	1,1708
46	0,90831	COMB5	Combination	0,500	45,415	1,000	112,0000	0,7167
46	0,00000	COMB6	Combination	0,500	0,000	1,000	112,0000	1,6250
46	0,45415	COMB6	Combination	0,500	22,708	1,000	112,0000	1,1708
46	0,90831	COMB6	Combination	0,500	45,415	1,000	112,0000	0,7167
46	0,00000	COMB8	Combination	0,540	0,000	1,080	120,9600	1,7550
46	0,45415	COMB8	Combination	0,540	24,524	1,080	120,9600	1,2645
46	0,90831	COMB8	Combination	0,540	49,049	1,080	120,9600	0,7740
46	0,00000	COMB8bis	Combination	0,460	0,000	0,920	103,0400	1,4950
46	0,45415	COMB8bis	Combination	0,460	20,891	0,920	103,0400	1,0772
46	0,90831	COMB8bis	Combination	0,460	41,782	0,920	103,0400	0,6594
47	0,00000	COMB1	Combination	1,250	0,000	1,750	88,0000	0,8750
47	0,45415	COMB1	Combination	1,250	22,708	1,750	88,0000	0,0802
47	0,90831	COMB1	Combination	1,250	45,415	1,750	88,0000	-0,7145
47	0,00000	COMB2	Combination	1,250	0,000	1,750	88,0000	0,8750
47	0,45415	COMB2	Combination	1,250	22,708	1,750	88,0000	0,0802
47	0,90831	COMB2	Combination	1,250	45,415	1,750	88,0000	-0,7145
47	0,00000	COMB4	Combination	1,250	0,000	1,750	88,0000	0,8750
47	0,45415	COMB4	Combination	1,250	22,708	1,750	88,0000	0,0802

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
47	0,90831	COMB4	Combination	1,250	45,415	1,750	88,0000	-0,7145
47	0,00000	COMB5	Combination	1,250	0,000	1,750	88,0000	0,8750
47	0,45415	COMB5	Combination	1,250	22,708	1,750	88,0000	0,0802
47	0,90831	COMB5	Combination	1,250	45,415	1,750	88,0000	-0,7145
47	0,00000	COMB6	Combination	1,250	0,000	1,750	88,0000	0,8750
47	0,45415	COMB6	Combination	1,250	22,708	1,750	88,0000	0,0802
47	0,90831	COMB6	Combination	1,250	45,415	1,750	88,0000	-0,7145
47	0,00000	COMB8	Combination	1,350	0,000	1,890	95,0400	0,9450
47	0,45415	COMB8	Combination	1,350	24,524	1,890	95,0400	0,0866
47	0,90831	COMB8	Combination	1,350	49,049	1,890	95,0400	-0,7717
47	0,00000	COMB8bis	Combination	1,150	0,000	1,610	80,9600	0,8050
47	0,45415	COMB8bis	Combination	1,150	20,891	1,610	80,9600	0,0738
47	0,90831	COMB8bis	Combination	1,150	41,782	1,610	80,9600	-0,6574
48	0,00000	COMB1	Combination	0,500	512,000	1,000	-24,0000	-1,0000
48	0,45415	COMB1	Combination	0,500	534,708	1,000	-24,0000	-1,4542
48	0,90831	COMB1	Combination	0,500	557,415	1,000	-24,0000	-1,9083
48	0,00000	COMB2	Combination	0,500	512,000	1,000	-24,0000	-1,0000
48	0,45415	COMB2	Combination	0,500	534,708	1,000	-24,0000	-1,4542
48	0,90831	COMB2	Combination	0,500	557,415	1,000	-24,0000	-1,9083
48	0,00000	COMB4	Combination	0,500	512,000	1,000	-24,0000	-1,0000
48	0,45415	COMB4	Combination	0,500	534,708	1,000	-24,0000	-1,4542
48	0,90831	COMB4	Combination	0,500	557,415	1,000	-24,0000	-1,9083
48	0,00000	COMB5	Combination	0,500	512,000	1,000	-24,0000	-1,0000
48	0,45415	COMB5	Combination	0,500	534,708	1,000	-24,0000	-1,4542
48	0,90831	COMB5	Combination	0,500	557,415	1,000	-24,0000	-1,9083
48	0,00000	COMB6	Combination	0,500	512,000	1,000	-24,0000	-1,0000
48	0,45415	COMB6	Combination	0,500	534,708	1,000	-24,0000	-1,4542
48	0,90831	COMB6	Combination	0,500	557,415	1,000	-24,0000	-1,9083
48	0,00000	COMB8	Combination	0,540	552,960	1,080	-25,9200	-1,0800
48	0,45415	COMB8	Combination	0,540	577,484	1,080	-25,9200	-1,5705
48	0,90831	COMB8	Combination	0,540	602,009	1,080	-25,9200	-2,0610
48	0,00000	COMB8bis	Combination	0,460	471,040	0,920	-22,0800	-0,9200
48	0,45415	COMB8bis	Combination	0,460	491,931	0,920	-22,0800	-1,3378
48	0,90831	COMB8bis	Combination	0,460	512,822	0,920	-22,0800	-1,7556
49	0,00000	COMB1	Combination	-1,500	-768,000	0,188	-224,0000	1,0313
49	0,34475	COMB1	Combination	-1,500	-750,762	0,188	-224,0000	0,9666
49	0,68950	COMB1	Combination	-1,500	-733,525	0,188	-224,0000	0,9020
49	1,03425	COMB1	Combination	-1,500	-716,287	0,188	-224,0000	0,8373
49	0,00000	COMB2	Combination	-1,500	-768,000	0,188	-224,0000	1,0313
49	0,34475	COMB2	Combination	-1,500	-750,762	0,188	-224,0000	0,9666
49	0,68950	COMB2	Combination	-1,500	-733,525	0,188	-224,0000	0,9020
49	1,03425	COMB2	Combination	-1,500	-716,287	0,188	-224,0000	0,8373
49	0,00000	COMB4	Combination	-1,500	-768,000	0,188	-224,0000	1,0313
49	0,34475	COMB4	Combination	-1,500	-750,762	0,188	-224,0000	0,9666
49	0,68950	COMB4	Combination	-1,500	-733,525	0,188	-224,0000	0,9020
49	1,03425	COMB4	Combination	-1,500	-716,287	0,188	-224,0000	0,8373
49	0,00000	COMB5	Combination	-1,500	-768,000	0,188	-224,0000	1,0313
49	0,34475	COMB5	Combination	-1,500	-750,762	0,188	-224,0000	0,9666
49	0,68950	COMB5	Combination	-1,500	-733,525	0,188	-224,0000	0,9020
49	1,03425	COMB5	Combination	-1,500	-716,287	0,188	-224,0000	0,8373
49	0,00000	COMB6	Combination	-1,500	-768,000	0,188	-224,0000	1,0313
49	0,34475	COMB6	Combination	-1,500	-750,762	0,188	-224,0000	0,9666
49	0,68950	COMB6	Combination	-1,500	-733,525	0,188	-224,0000	0,9020
49	1,03425	COMB6	Combination	-1,500	-716,287	0,188	-224,0000	0,8373
49	0,00000	COMB8	Combination	-1,620	-829,440	0,203	-241,9200	1,1138

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
49	0,34475	COMB8	Combination	-1,620	-810,823	0,203	-241,9200	1,0439
49	0,68950	COMB8	Combination	-1,620	-792,207	0,203	-241,9200	0,9741
49	1,03425	COMB8	Combination	-1,620	-773,590	0,203	-241,9200	0,9043
49	0,00000	COMB8bis	Combination	-1,380	-706,560	0,173	-206,0800	0,9488
49	0,34475	COMB8bis	Combination	-1,380	-690,701	0,173	-206,0800	0,8893
49	0,68950	COMB8bis	Combination	-1,380	-674,843	0,173	-206,0800	0,8298
49	1,03425	COMB8bis	Combination	-1,380	-658,984	0,173	-206,0800	0,7703
50	0,00000	COMB1	Combination	-2,000	-768,000	0,188	-240,0000	0,7813
50	0,34475	COMB1	Combination	-2,000	-750,762	0,188	-240,0000	0,7166
50	0,68950	COMB1	Combination	-2,000	-733,525	0,188	-240,0000	0,6520
50	1,03425	COMB1	Combination	-2,000	-716,287	0,188	-240,0000	0,5873
50	0,00000	COMB2	Combination	-2,000	-768,000	0,188	-240,0000	0,7813
50	0,34475	COMB2	Combination	-2,000	-750,762	0,188	-240,0000	0,7166
50	0,68950	COMB2	Combination	-2,000	-733,525	0,188	-240,0000	0,6520
50	1,03425	COMB2	Combination	-2,000	-716,287	0,188	-240,0000	0,5873
50	0,00000	COMB4	Combination	-2,000	-768,000	0,188	-240,0000	0,7813
50	0,34475	COMB4	Combination	-2,000	-750,762	0,188	-240,0000	0,7166
50	0,68950	COMB4	Combination	-2,000	-733,525	0,188	-240,0000	0,6520
50	1,03425	COMB4	Combination	-2,000	-716,287	0,188	-240,0000	0,5873
50	0,00000	COMB5	Combination	-2,000	-768,000	0,188	-240,0000	0,7813
50	0,34475	COMB5	Combination	-2,000	-750,762	0,188	-240,0000	0,7166
50	0,68950	COMB5	Combination	-2,000	-733,525	0,188	-240,0000	0,6520
50	1,03425	COMB5	Combination	-2,000	-716,287	0,188	-240,0000	0,5873
50	0,00000	COMB6	Combination	-2,000	-768,000	0,188	-240,0000	0,7813
50	0,34475	COMB6	Combination	-2,000	-750,762	0,188	-240,0000	0,7166
50	0,68950	COMB6	Combination	-2,000	-733,525	0,188	-240,0000	0,6520
50	1,03425	COMB6	Combination	-2,000	-716,287	0,188	-240,0000	0,5873
50	0,00000	COMB8	Combination	-2,160	-829,440	0,203	-259,2000	0,8438
50	0,34475	COMB8	Combination	-2,160	-810,823	0,203	-259,2000	0,7739
50	0,68950	COMB8	Combination	-2,160	-792,207	0,203	-259,2000	0,7041
50	1,03425	COMB8	Combination	-2,160	-773,590	0,203	-259,2000	0,6343
50	0,00000	COMB8bis	Combination	-1,840	-706,560	0,173	-220,8000	0,7188
50	0,34475	COMB8bis	Combination	-1,840	-690,701	0,173	-220,8000	0,6593
50	0,68950	COMB8bis	Combination	-1,840	-674,843	0,173	-220,8000	0,5998
50	1,03425	COMB8bis	Combination	-1,840	-658,984	0,173	-220,8000	0,5403
51	0,00000	COMB1	Combination	-1,000	-512,000	0,250	-248,0000	0,5625
51	0,34475	COMB1	Combination	-1,000	-494,762	0,250	-248,0000	0,4763
51	0,68950	COMB1	Combination	-1,000	-477,525	0,250	-248,0000	0,3901
51	1,03425	COMB1	Combination	-1,000	-460,287	0,250	-248,0000	0,3039
51	0,00000	COMB2	Combination	-1,000	-512,000	0,250	-248,0000	0,5625
51	0,34475	COMB2	Combination	-1,000	-494,762	0,250	-248,0000	0,4763
51	0,68950	COMB2	Combination	-1,000	-477,525	0,250	-248,0000	0,3901
51	1,03425	COMB2	Combination	-1,000	-460,287	0,250	-248,0000	0,3039
51	0,00000	COMB4	Combination	-1,000	-512,000	0,250	-248,0000	0,5625
51	0,34475	COMB4	Combination	-1,000	-494,762	0,250	-248,0000	0,4763
51	0,68950	COMB4	Combination	-1,000	-477,525	0,250	-248,0000	0,3901
51	1,03425	COMB4	Combination	-1,000	-460,287	0,250	-248,0000	0,3039
51	0,00000	COMB5	Combination	-1,000	-512,000	0,250	-248,0000	0,5625
51	0,34475	COMB5	Combination	-1,000	-494,762	0,250	-248,0000	0,4763
51	0,68950	COMB5	Combination	-1,000	-477,525	0,250	-248,0000	0,3901
51	1,03425	COMB5	Combination	-1,000	-460,287	0,250	-248,0000	0,3039
51	0,00000	COMB6	Combination	-1,000	-512,000	0,250	-248,0000	0,5625
51	0,34475	COMB6	Combination	-1,000	-494,762	0,250	-248,0000	0,4763
51	0,68950	COMB6	Combination	-1,000	-477,525	0,250	-248,0000	0,3901
51	1,03425	COMB6	Combination	-1,000	-460,287	0,250	-248,0000	0,3039

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
51	0,00000	COMB8	Combination	-1,080	-552,960	0,270	-267,8400	0,6075
51	0,34475	COMB8	Combination	-1,080	-534,343	0,270	-267,8400	0,5144
51	0,68950	COMB8	Combination	-1,080	-515,727	0,270	-267,8400	0,4213
51	1,03425	COMB8	Combination	-1,080	-497,110	0,270	-267,8400	0,3283
51	0,00000	COMB8bis	Combination	-0,920	-471,040	0,230	-228,1600	0,5175
51	0,34475	COMB8bis	Combination	-0,920	-455,181	0,230	-228,1600	0,4382
51	0,68950	COMB8bis	Combination	-0,920	-439,323	0,230	-228,1600	0,3589
51	1,03425	COMB8bis	Combination	-0,920	-423,464	0,230	-228,1600	0,2796
52	0,00000	COMB1	Combination	-3,500	-768,000	0,250	-224,0000	0,2813
52	0,34475	COMB1	Combination	-3,500	-750,762	0,250	-224,0000	0,1951
52	0,68950	COMB1	Combination	-3,500	-733,525	0,250	-224,0000	0,1089
52	1,03425	COMB1	Combination	-3,500	-716,287	0,250	-224,0000	0,0227
52	0,00000	COMB2	Combination	-3,500	-768,000	0,250	-224,0000	0,2813
52	0,34475	COMB2	Combination	-3,500	-750,762	0,250	-224,0000	0,1951
52	0,68950	COMB2	Combination	-3,500	-733,525	0,250	-224,0000	0,1089
52	1,03425	COMB2	Combination	-3,500	-716,287	0,250	-224,0000	0,0227
52	0,00000	COMB4	Combination	-3,500	-768,000	0,250	-224,0000	0,2813
52	0,34475	COMB4	Combination	-3,500	-750,762	0,250	-224,0000	0,1951
52	0,68950	COMB4	Combination	-3,500	-733,525	0,250	-224,0000	0,1089
52	1,03425	COMB4	Combination	-3,500	-716,287	0,250	-224,0000	0,0227
52	0,00000	COMB5	Combination	-3,500	-768,000	0,250	-224,0000	0,2813
52	0,34475	COMB5	Combination	-3,500	-750,762	0,250	-224,0000	0,1951
52	0,68950	COMB5	Combination	-3,500	-733,525	0,250	-224,0000	0,1089
52	1,03425	COMB5	Combination	-3,500	-716,287	0,250	-224,0000	0,0227
52	0,00000	COMB6	Combination	-3,500	-768,000	0,250	-224,0000	0,2813
52	0,34475	COMB6	Combination	-3,500	-750,762	0,250	-224,0000	0,1951
52	0,68950	COMB6	Combination	-3,500	-733,525	0,250	-224,0000	0,1089
52	1,03425	COMB6	Combination	-3,500	-716,287	0,250	-224,0000	0,0227
52	0,00000	COMB8	Combination	-3,780	-829,440	0,270	-241,9200	0,3038
52	0,34475	COMB8	Combination	-3,780	-810,823	0,270	-241,9200	0,2107
52	0,68950	COMB8	Combination	-3,780	-792,207	0,270	-241,9200	0,1176
52	1,03425	COMB8	Combination	-3,780	-773,590	0,270	-241,9200	0,0245
52	0,00000	COMB8bis	Combination	-3,220	-706,560	0,230	-206,0800	0,2588
52	0,34475	COMB8bis	Combination	-3,220	-690,701	0,230	-206,0800	0,1795
52	0,68950	COMB8bis	Combination	-3,220	-674,843	0,230	-206,0800	0,1002
52	1,03425	COMB8bis	Combination	-3,220	-658,984	0,230	-206,0800	0,0209
53	0,00000	COMB1	Combination	0,000	-256,000	0,188	-208,0000	0,0313
53	0,34475	COMB1	Combination	0,000	-238,762	0,188	-208,0000	-0,0334
53	0,68950	COMB1	Combination	0,000	-221,525	0,188	-208,0000	-0,0980
53	1,03425	COMB1	Combination	0,000	-204,287	0,188	-208,0000	-0,1627
53	0,00000	COMB2	Combination	0,000	-256,000	0,188	-208,0000	0,0313
53	0,34475	COMB2	Combination	0,000	-238,762	0,188	-208,0000	-0,0334
53	0,68950	COMB2	Combination	0,000	-221,525	0,188	-208,0000	-0,0980
53	1,03425	COMB2	Combination	0,000	-204,287	0,188	-208,0000	-0,1627
53	0,00000	COMB4	Combination	0,000	-256,000	0,188	-208,0000	0,0313
53	0,34475	COMB4	Combination	0,000	-238,762	0,188	-208,0000	-0,0334
53	0,68950	COMB4	Combination	0,000	-221,525	0,188	-208,0000	-0,0980
53	1,03425	COMB4	Combination	0,000	-204,287	0,188	-208,0000	-0,1627
53	0,00000	COMB5	Combination	0,000	-256,000	0,188	-208,0000	0,0313
53	0,34475	COMB5	Combination	0,000	-238,762	0,188	-208,0000	-0,0334
53	0,68950	COMB5	Combination	0,000	-221,525	0,188	-208,0000	-0,0980
53	1,03425	COMB5	Combination	0,000	-204,287	0,188	-208,0000	-0,1627
53	0,00000	COMB6	Combination	0,000	-256,000	0,188	-208,0000	0,0313
53	0,34475	COMB6	Combination	0,000	-238,762	0,188	-208,0000	-0,0334
53	0,68950	COMB6	Combination	0,000	-221,525	0,188	-208,0000	-0,0980
53	1,03425	COMB6	Combination	0,000	-204,287	0,188	-208,0000	-0,1627

<p>GENERAL CONTRACTOR</p>  <p>Censorzio Collegamenti Integrati Veloci</p>	<p>ALTA SORVEGLIANZA</p>  <p>GRUPPO FERROVIE DELLO STATO ITALIANE</p>
	<p>a301-00-d-cv-ro-gn00-0x-013-e00</p> <p>Foglio 85 di 289</p>

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
53	1,03425	COMB6	Combination	0,000	-204,287	0,188	-208,0000	-0,1627
53	0,00000	COMB8	Combination	0,000	-276,480	0,203	-224,6400	0,0338
53	0,34475	COMB8	Combination	0,000	-257,863	0,203	-224,6400	-0,0361
53	0,68950	COMB8	Combination	0,000	-239,247	0,203	-224,6400	-0,1059
53	1,03425	COMB8	Combination	0,000	-220,630	0,203	-224,6400	-0,1757
53	0,00000	COMB8bis	Combination	0,000	-235,520	0,173	-191,3600	0,0288
53	0,34475	COMB8bis	Combination	0,000	-219,661	0,173	-191,3600	-0,0307
53	0,68950	COMB8bis	Combination	0,000	-203,803	0,173	-191,3600	-0,0902
53	1,03425	COMB8bis	Combination	0,000	-187,944	0,173	-191,3600	-0,1497
54	0,00000	COMB1	Combination	-1,500	-256,000	0,125	-160,0000	-0,2813
54	0,34475	COMB1	Combination	-1,500	-238,762	0,125	-160,0000	-0,3243
54	0,68950	COMB1	Combination	-1,500	-221,525	0,125	-160,0000	-0,3674
54	1,03425	COMB1	Combination	-1,500	-204,287	0,125	-160,0000	-0,4105
54	0,00000	COMB2	Combination	-1,500	-256,000	0,125	-160,0000	-0,2813
54	0,34475	COMB2	Combination	-1,500	-238,762	0,125	-160,0000	-0,3243
54	0,68950	COMB2	Combination	-1,500	-221,525	0,125	-160,0000	-0,3674
54	1,03425	COMB2	Combination	-1,500	-204,287	0,125	-160,0000	-0,4105
54	0,00000	COMB4	Combination	-1,500	-256,000	0,125	-160,0000	-0,2813
54	0,34475	COMB4	Combination	-1,500	-238,762	0,125	-160,0000	-0,3243
54	0,68950	COMB4	Combination	-1,500	-221,525	0,125	-160,0000	-0,3674
54	1,03425	COMB4	Combination	-1,500	-204,287	0,125	-160,0000	-0,4105
54	0,00000	COMB5	Combination	-1,500	-256,000	0,125	-160,0000	-0,2813
54	0,34475	COMB5	Combination	-1,500	-238,762	0,125	-160,0000	-0,3243
54	0,68950	COMB5	Combination	-1,500	-221,525	0,125	-160,0000	-0,3674
54	1,03425	COMB5	Combination	-1,500	-204,287	0,125	-160,0000	-0,4105
54	0,00000	COMB6	Combination	-1,500	-256,000	0,125	-160,0000	-0,2813
54	0,34475	COMB6	Combination	-1,500	-238,762	0,125	-160,0000	-0,3243
54	0,68950	COMB6	Combination	-1,500	-221,525	0,125	-160,0000	-0,3674
54	1,03425	COMB6	Combination	-1,500	-204,287	0,125	-160,0000	-0,4105
54	0,00000	COMB8	Combination	-1,620	-276,480	0,135	-172,8000	-0,3038
54	0,34475	COMB8	Combination	-1,620	-257,863	0,135	-172,8000	-0,3503
54	0,68950	COMB8	Combination	-1,620	-239,247	0,135	-172,8000	-0,3968
54	1,03425	COMB8	Combination	-1,620	-220,630	0,135	-172,8000	-0,4434
54	0,00000	COMB8bis	Combination	-1,380	-235,520	0,115	-147,2000	-0,2588
54	0,34475	COMB8bis	Combination	-1,380	-219,661	0,115	-147,2000	-0,2984
54	0,68950	COMB8bis	Combination	-1,380	-203,803	0,115	-147,2000	-0,3380
54	1,03425	COMB8bis	Combination	-1,380	-187,944	0,115	-147,2000	-0,3777
55	0,00000	COMB1	Combination	-3,500	384,000	0,094	-152,0000	-0,3281
55	0,34475	COMB1	Combination	-3,500	401,238	0,094	-152,0000	-0,3604
55	0,68950	COMB1	Combination	-3,500	418,475	0,094	-152,0000	-0,3928
55	1,03425	COMB1	Combination	-3,500	435,713	0,094	-152,0000	-0,4251
55	0,00000	COMB2	Combination	-3,500	384,000	0,094	-152,0000	-0,3281
55	0,34475	COMB2	Combination	-3,500	401,238	0,094	-152,0000	-0,3604
55	0,68950	COMB2	Combination	-3,500	418,475	0,094	-152,0000	-0,3928
55	1,03425	COMB2	Combination	-3,500	435,713	0,094	-152,0000	-0,4251
55	0,00000	COMB4	Combination	-3,500	384,000	0,094	-152,0000	-0,3281
55	0,34475	COMB4	Combination	-3,500	401,238	0,094	-152,0000	-0,3604
55	0,68950	COMB4	Combination	-3,500	418,475	0,094	-152,0000	-0,3928
55	1,03425	COMB4	Combination	-3,500	435,713	0,094	-152,0000	-0,4251
55	0,00000	COMB5	Combination	-3,500	384,000	0,094	-152,0000	-0,3281
55	0,34475	COMB5	Combination	-3,500	401,238	0,094	-152,0000	-0,3604
55	0,68950	COMB5	Combination	-3,500	418,475	0,094	-152,0000	-0,3928
55	1,03425	COMB5	Combination	-3,500	435,713	0,094	-152,0000	-0,4251
55	0,00000	COMB6	Combination	-3,500	384,000	0,094	-152,0000	-0,3281
55	0,34475	COMB6	Combination	-3,500	401,238	0,094	-152,0000	-0,3604

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
55	0,68950	COMB6	Combination	-3,500	418,475	0,094	-152,0000	-0,3928
55	1,03425	COMB6	Combination	-3,500	435,713	0,094	-152,0000	-0,4251
55	0,00000	COMB8	Combination	-3,780	414,720	0,101	-164,1600	-0,3544
55	0,34475	COMB8	Combination	-3,780	433,337	0,101	-164,1600	-0,3893
55	0,68950	COMB8	Combination	-3,780	451,953	0,101	-164,1600	-0,4242
55	1,03425	COMB8	Combination	-3,780	470,570	0,101	-164,1600	-0,4591
55	0,00000	COMB8bis	Combination	-3,220	353,280	0,086	-139,8400	-0,3019
55	0,34475	COMB8bis	Combination	-3,220	369,139	0,086	-139,8400	-0,3316
55	0,68950	COMB8bis	Combination	-3,220	384,997	0,086	-139,8400	-0,3613
55	1,03425	COMB8bis	Combination	-3,220	400,856	0,086	-139,8400	-0,3911
56	0,00000	COMB1	Combination	-2,500	384,000	-0,125	-144,0000	-0,4219
56	0,34475	COMB1	Combination	-2,500	401,238	-0,125	-144,0000	-0,3788
56	0,68950	COMB1	Combination	-2,500	418,475	-0,125	-144,0000	-0,3357
56	1,03425	COMB1	Combination	-2,500	435,713	-0,125	-144,0000	-0,2926
56	0,00000	COMB2	Combination	-2,500	384,000	-0,125	-144,0000	-0,4219
56	0,34475	COMB2	Combination	-2,500	401,238	-0,125	-144,0000	-0,3788
56	0,68950	COMB2	Combination	-2,500	418,475	-0,125	-144,0000	-0,3357
56	1,03425	COMB2	Combination	-2,500	435,713	-0,125	-144,0000	-0,2926
56	0,00000	COMB4	Combination	-2,500	384,000	-0,125	-144,0000	-0,4219
56	0,34475	COMB4	Combination	-2,500	401,238	-0,125	-144,0000	-0,3788
56	0,68950	COMB4	Combination	-2,500	418,475	-0,125	-144,0000	-0,3357
56	1,03425	COMB4	Combination	-2,500	435,713	-0,125	-144,0000	-0,2926
56	0,00000	COMB5	Combination	-2,500	384,000	-0,125	-144,0000	-0,4219
56	0,34475	COMB5	Combination	-2,500	401,238	-0,125	-144,0000	-0,3788
56	0,68950	COMB5	Combination	-2,500	418,475	-0,125	-144,0000	-0,3357
56	1,03425	COMB5	Combination	-2,500	435,713	-0,125	-144,0000	-0,2926
56	0,00000	COMB6	Combination	-2,500	384,000	-0,125	-144,0000	-0,4219
56	0,34475	COMB6	Combination	-2,500	401,238	-0,125	-144,0000	-0,3788
56	0,68950	COMB6	Combination	-2,500	418,475	-0,125	-144,0000	-0,3357
56	1,03425	COMB6	Combination	-2,500	435,713	-0,125	-144,0000	-0,2926
56	0,00000	COMB8	Combination	-2,700	414,720	-0,135	-155,5200	-0,4556
56	0,34475	COMB8	Combination	-2,700	433,337	-0,135	-155,5200	-0,4091
56	0,68950	COMB8	Combination	-2,700	451,953	-0,135	-155,5200	-0,3625
56	1,03425	COMB8	Combination	-2,700	470,570	-0,135	-155,5200	-0,3160
56	0,00000	COMB8bis	Combination	-2,300	353,280	-0,115	-132,4800	-0,3881
56	0,34475	COMB8bis	Combination	-2,300	369,139	-0,115	-132,4800	-0,3485
56	0,68950	COMB8bis	Combination	-2,300	384,997	-0,115	-132,4800	-0,3088
56	1,03425	COMB8bis	Combination	-2,300	400,856	-0,115	-132,4800	-0,2692
57	0,00000	COMB1	Combination	-3,500	384,000	-0,094	-144,0000	-0,3281
57	0,34475	COMB1	Combination	-3,500	401,238	-0,094	-144,0000	-0,2958
57	0,68950	COMB1	Combination	-3,500	418,475	-0,094	-144,0000	-0,2635
57	1,03425	COMB1	Combination	-3,500	435,713	-0,094	-144,0000	-0,2312
57	0,00000	COMB2	Combination	-3,500	384,000	-0,094	-144,0000	-0,3281
57	0,34475	COMB2	Combination	-3,500	401,238	-0,094	-144,0000	-0,2958
57	0,68950	COMB2	Combination	-3,500	418,475	-0,094	-144,0000	-0,2635
57	1,03425	COMB2	Combination	-3,500	435,713	-0,094	-144,0000	-0,2312
57	0,00000	COMB4	Combination	-3,500	384,000	-0,094	-144,0000	-0,3281
57	0,34475	COMB4	Combination	-3,500	401,238	-0,094	-144,0000	-0,2958
57	0,68950	COMB4	Combination	-3,500	418,475	-0,094	-144,0000	-0,2635
57	1,03425	COMB4	Combination	-3,500	435,713	-0,094	-144,0000	-0,2312
57	0,00000	COMB5	Combination	-3,500	384,000	-0,094	-144,0000	-0,3281
57	0,34475	COMB5	Combination	-3,500	401,238	-0,094	-144,0000	-0,2958
57	0,68950	COMB5	Combination	-3,500	418,475	-0,094	-144,0000	-0,2635
57	1,03425	COMB5	Combination	-3,500	435,713	-0,094	-144,0000	-0,2312
57	0,00000	COMB6	Combination	-3,500	384,000	-0,094	-144,0000	-0,3281

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
57	0,34475	COMB6	Combination	-3,500	401,238	-0,094	-144,0000	-0,2958
57	0,68950	COMB6	Combination	-3,500	418,475	-0,094	-144,0000	-0,2635
57	1,03425	COMB6	Combination	-3,500	435,713	-0,094	-144,0000	-0,2312
57	0,00000	COMB8	Combination	-3,780	414,720	-0,101	-155,5200	-0,3544
57	0,34475	COMB8	Combination	-3,780	433,337	-0,101	-155,5200	-0,3195
57	0,68950	COMB8	Combination	-3,780	451,953	-0,101	-155,5200	-0,2846
57	1,03425	COMB8	Combination	-3,780	470,570	-0,101	-155,5200	-0,2497
57	0,00000	COMB8bis	Combination	-3,220	353,280	-0,086	-132,4800	-0,3019
57	0,34475	COMB8bis	Combination	-3,220	369,139	-0,086	-132,4800	-0,2721
57	0,68950	COMB8bis	Combination	-3,220	384,997	-0,086	-132,4800	-0,2424
57	1,03425	COMB8bis	Combination	-3,220	400,856	-0,086	-132,4800	-0,2127
58	0,00000	COMB1	Combination	-3,000	256,000	-0,156	-128,0000	-0,1875
58	0,34475	COMB1	Combination	-3,000	273,238	-0,156	-128,0000	-0,1336
58	0,68950	COMB1	Combination	-3,000	290,475	-0,156	-128,0000	-0,0798
58	1,03425	COMB1	Combination	-3,000	307,713	-0,156	-128,0000	-0,0259
58	0,00000	COMB2	Combination	-3,000	256,000	-0,156	-128,0000	-0,1875
58	0,34475	COMB2	Combination	-3,000	273,238	-0,156	-128,0000	-0,1336
58	0,68950	COMB2	Combination	-3,000	290,475	-0,156	-128,0000	-0,0798
58	1,03425	COMB2	Combination	-3,000	307,713	-0,156	-128,0000	-0,0259
58	0,00000	COMB4	Combination	-3,000	256,000	-0,156	-128,0000	-0,1875
58	0,34475	COMB4	Combination	-3,000	273,238	-0,156	-128,0000	-0,1336
58	0,68950	COMB4	Combination	-3,000	290,475	-0,156	-128,0000	-0,0798
58	1,03425	COMB4	Combination	-3,000	307,713	-0,156	-128,0000	-0,0259
58	0,00000	COMB5	Combination	-3,000	256,000	-0,156	-128,0000	-0,1875
58	0,34475	COMB5	Combination	-3,000	273,238	-0,156	-128,0000	-0,1336
58	0,68950	COMB5	Combination	-3,000	290,475	-0,156	-128,0000	-0,0798
58	1,03425	COMB5	Combination	-3,000	307,713	-0,156	-128,0000	-0,0259
58	0,00000	COMB6	Combination	-3,000	256,000	-0,156	-128,0000	-0,1875
58	0,34475	COMB6	Combination	-3,000	273,238	-0,156	-128,0000	-0,1336
58	0,68950	COMB6	Combination	-3,000	290,475	-0,156	-128,0000	-0,0798
58	1,03425	COMB6	Combination	-3,000	307,713	-0,156	-128,0000	-0,0259
58	0,00000	COMB8	Combination	-3,240	276,480	-0,169	-138,2400	-0,2025
58	0,34475	COMB8	Combination	-3,240	295,097	-0,169	-138,2400	-0,1443
58	0,68950	COMB8	Combination	-3,240	313,713	-0,169	-138,2400	-0,0861
58	1,03425	COMB8	Combination	-3,240	332,330	-0,169	-138,2400	-0,0280
58	0,00000	COMB8bis	Combination	-2,760	235,520	-0,144	-117,7600	-0,1725
58	0,34475	COMB8bis	Combination	-2,760	251,379	-0,144	-117,7600	-0,1229
58	0,68950	COMB8bis	Combination	-2,760	267,237	-0,144	-117,7600	-0,0734
58	1,03425	COMB8bis	Combination	-2,760	283,096	-0,144	-117,7600	-0,0238
59	0,00000	COMB1	Combination	-2,500	320,000	-0,125	-104,0000	-0,0625
59	0,34475	COMB1	Combination	-2,500	337,238	-0,125	-104,0000	-0,0194
59	0,68950	COMB1	Combination	-2,500	354,475	-0,125	-104,0000	0,0237
59	1,03425	COMB1	Combination	-2,500	371,713	-0,125	-104,0000	0,0668
59	0,00000	COMB2	Combination	-2,500	320,000	-0,125	-104,0000	-0,0625
59	0,34475	COMB2	Combination	-2,500	337,238	-0,125	-104,0000	-0,0194
59	0,68950	COMB2	Combination	-2,500	354,475	-0,125	-104,0000	0,0237
59	1,03425	COMB2	Combination	-2,500	371,713	-0,125	-104,0000	0,0668
59	0,00000	COMB4	Combination	-2,500	320,000	-0,125	-104,0000	-0,0625
59	0,34475	COMB4	Combination	-2,500	337,238	-0,125	-104,0000	-0,0194
59	0,68950	COMB4	Combination	-2,500	354,475	-0,125	-104,0000	0,0237
59	1,03425	COMB4	Combination	-2,500	371,713	-0,125	-104,0000	0,0668
59	0,00000	COMB5	Combination	-2,500	320,000	-0,125	-104,0000	-0,0625
59	0,34475	COMB5	Combination	-2,500	337,238	-0,125	-104,0000	-0,0194
59	0,68950	COMB5	Combination	-2,500	354,475	-0,125	-104,0000	0,0237
59	1,03425	COMB5	Combination	-2,500	371,713	-0,125	-104,0000	0,0668

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
59	0,00000	COMB6	Combination	-2,500	320,000	-0,125	-104,0000	-0,0625
59	0,34475	COMB6	Combination	-2,500	337,238	-0,125	-104,0000	-0,0194
59	0,68950	COMB6	Combination	-2,500	354,475	-0,125	-104,0000	0,0237
59	1,03425	COMB6	Combination	-2,500	371,713	-0,125	-104,0000	0,0668
59	0,00000	COMB8	Combination	-2,700	345,600	-0,135	-112,3200	-0,0675
59	0,34475	COMB8	Combination	-2,700	364,217	-0,135	-112,3200	-0,0210
59	0,68950	COMB8	Combination	-2,700	382,833	-0,135	-112,3200	0,0256
59	1,03425	COMB8	Combination	-2,700	401,450	-0,135	-112,3200	0,0721
59	0,00000	COMB8bis	Combination	-2,300	294,400	-0,115	-95,6800	-0,0575
59	0,34475	COMB8bis	Combination	-2,300	310,259	-0,115	-95,6800	-0,0179
59	0,68950	COMB8bis	Combination	-2,300	326,117	-0,115	-95,6800	0,0218
59	1,03425	COMB8bis	Combination	-2,300	341,976	-0,115	-95,6800	0,0614
60	0,00000	COMB1	Combination	0,000	576,000	-0,031	-104,0000	0,0938
60	0,34475	COMB1	Combination	0,000	593,238	-0,031	-104,0000	0,1045
60	0,68950	COMB1	Combination	0,000	610,475	-0,031	-104,0000	0,1153
60	1,03425	COMB1	Combination	0,000	627,713	-0,031	-104,0000	0,1261
60	0,00000	COMB2	Combination	0,000	576,000	-0,031	-104,0000	0,0938
60	0,34475	COMB2	Combination	0,000	593,238	-0,031	-104,0000	0,1045
60	0,68950	COMB2	Combination	0,000	610,475	-0,031	-104,0000	0,1153
60	1,03425	COMB2	Combination	0,000	627,713	-0,031	-104,0000	0,1261
60	0,00000	COMB4	Combination	0,000	576,000	-0,031	-104,0000	0,0938
60	0,34475	COMB4	Combination	0,000	593,238	-0,031	-104,0000	0,1045
60	0,68950	COMB4	Combination	0,000	610,475	-0,031	-104,0000	0,1153
60	1,03425	COMB4	Combination	0,000	627,713	-0,031	-104,0000	0,1261
60	0,00000	COMB5	Combination	0,000	576,000	-0,031	-104,0000	0,0938
60	0,34475	COMB5	Combination	0,000	593,238	-0,031	-104,0000	0,1045
60	0,68950	COMB5	Combination	0,000	610,475	-0,031	-104,0000	0,1153
60	1,03425	COMB5	Combination	0,000	627,713	-0,031	-104,0000	0,1261
60	0,00000	COMB6	Combination	0,000	576,000	-0,031	-104,0000	0,0938
60	0,34475	COMB6	Combination	0,000	593,238	-0,031	-104,0000	0,1045
60	0,68950	COMB6	Combination	0,000	610,475	-0,031	-104,0000	0,1153
60	1,03425	COMB6	Combination	0,000	627,713	-0,031	-104,0000	0,1261
60	0,00000	COMB8	Combination	0,000	622,080	-0,034	-112,3200	0,1013
60	0,34475	COMB8	Combination	0,000	640,697	-0,034	-112,3200	0,1129
60	0,68950	COMB8	Combination	0,000	659,313	-0,034	-112,3200	0,1245
60	1,03425	COMB8	Combination	0,000	677,930	-0,034	-112,3200	0,1362
60	0,00000	COMB8bis	Combination	0,000	529,920	-0,029	-95,6800	0,0863
60	0,34475	COMB8bis	Combination	0,000	545,779	-0,029	-95,6800	0,0962
60	0,68950	COMB8bis	Combination	0,000	561,637	-0,029	-95,6800	0,1061
60	1,03425	COMB8bis	Combination	0,000	577,496	-0,029	-95,6800	0,1160
94	0,40000	COMB1	Combination	-153,938	-166,633	4,063	0,0021	-0,9883
94	0,76250	COMB1	Combination	-163,001	-147,587	-5,000	0,0021	-0,8184
94	1,12500	COMB1	Combination	-172,063	-127,244	-14,062	0,0021	2,6367
94	0,40000	COMB2	Combination	-135,185	-138,971	4,063	0,0014	-0,9883
94	0,76250	COMB2	Combination	-144,247	-119,925	-5,000	0,0014	-0,8184
94	1,12500	COMB2	Combination	-153,310	-99,582	-14,062	0,0014	2,6367
94	0,40000	COMB4	Combination	-557,476	-360,498	4,063	0,0011	-0,9883
94	0,76250	COMB4	Combination	-566,539	-341,452	-5,000	0,0011	-0,8184
94	1,12500	COMB4	Combination	-575,601	-321,109	-14,062	0,0011	2,6367
94	0,40000	COMB5	Combination	-538,723	-332,837	4,063	3,415E-04	-0,9883
94	0,76250	COMB5	Combination	-547,785	-313,791	-5,000	3,415E-04	-0,8184
94	1,12500	COMB5	Combination	-556,848	-293,447	-14,062	3,415E-04	2,6367
94	0,40000	COMB6	Combination	-135,698	-141,763	4,063	0,0016	-0,9883
94	0,76250	COMB6	Combination	-144,761	-121,593	-5,000	0,0016	-0,8184
94	1,12500	COMB6	Combination	-153,823	-100,073	-14,062	0,0016	2,6367

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
94	0,40000	COMB8	Combination	-582,247	-356,344	4,388	4,603E-04	-1,0673
94	0,76250	COMB8	Combination	-592,034	-336,174	-5,400	4,603E-04	-0,8838
94	1,12500	COMB8	Combination	-601,822	-314,654	-15,187	4,603E-04	2,8477
94	0,40000	COMB8bis	Combination	-496,226	-314,913	3,738	7,011E-04	-0,9092
94	0,76250	COMB8bis	Combination	-504,564	-294,743	-4,600	7,011E-04	-0,7529
94	1,12500	COMB8bis	Combination	-512,901	-273,223	-12,937	7,011E-04	2,4258
95	0,00000	COMB1	Combination	-172,063	-127,244	14,063	0,0021	2,6367
95	0,37500	COMB1	Combination	-181,438	-105,180	4,688	0,0021	-0,8789
95	0,75000	COMB1	Combination	-190,813	-82,422	-4,687	0,0021	-0,8789
95	1,12500	COMB1	Combination	-200,188	-58,970	-14,062	0,0021	2,6367
95	0,00000	COMB2	Combination	-153,310	-99,582	14,063	0,0014	2,6367
95	0,37500	COMB2	Combination	-162,685	-77,519	4,688	0,0014	-0,8789
95	0,75000	COMB2	Combination	-172,060	-54,761	-4,687	0,0014	-0,8789
95	1,12500	COMB2	Combination	-181,435	-31,309	-14,062	0,0014	2,6367
95	0,00000	COMB4	Combination	-575,601	-321,109	14,063	0,0011	2,6367
95	0,37500	COMB4	Combination	-584,976	-299,045	4,688	0,0011	-0,8789
95	0,75000	COMB4	Combination	-594,351	-276,288	-4,687	0,0011	-0,8789
95	1,12500	COMB4	Combination	-603,726	-252,835	-14,062	0,0011	2,6367
95	0,00000	COMB5	Combination	-556,848	-293,447	14,063	3,415E-04	2,6367
95	0,37500	COMB5	Combination	-566,223	-271,384	4,688	3,415E-04	-0,8789
95	0,75000	COMB5	Combination	-575,598	-248,626	-4,687	3,415E-04	-0,8789
95	1,12500	COMB5	Combination	-584,973	-225,174	-14,062	3,415E-04	2,6367
95	0,00000	COMB6	Combination	-153,823	-100,073	14,063	0,0016	2,6367
95	0,37500	COMB6	Combination	-163,198	-76,752	4,688	0,0016	-0,8789
95	0,75000	COMB6	Combination	-172,573	-52,709	-4,687	0,0016	-0,8789
95	1,12500	COMB6	Combination	-181,948	-27,944	-14,062	0,0016	2,6367
95	0,00000	COMB8	Combination	-601,822	-314,654	15,188	4,603E-04	2,8477
95	0,37500	COMB8	Combination	-611,947	-291,333	5,063	4,603E-04	-0,9492
95	0,75000	COMB8	Combination	-622,072	-267,290	-5,062	4,603E-04	-0,9492
95	1,12500	COMB8	Combination	-632,197	-242,524	-15,187	4,603E-04	2,8477
95	0,00000	COMB8bis	Combination	-512,901	-273,223	12,938	7,011E-04	2,4258
95	0,37500	COMB8bis	Combination	-521,526	-249,902	4,313	7,011E-04	-0,8086
95	0,75000	COMB8bis	Combination	-530,151	-225,859	-4,312	7,011E-04	-0,8086
95	1,12500	COMB8bis	Combination	-538,776	-201,094	-12,937	7,011E-04	2,4258
96	0,00000	COMB1	Combination	-200,188	-58,970	14,063	0,0021	2,6367
96	0,37500	COMB1	Combination	-209,563	-34,824	4,688	0,0021	-0,8789
96	0,75000	COMB1	Combination	-218,938	-9,983	-4,687	0,0021	-0,8789
96	1,12500	COMB1	Combination	-228,313	15,553	-14,062	0,0021	2,6367
96	0,00000	COMB2	Combination	-181,435	-31,309	14,063	0,0014	2,6367
96	0,37500	COMB2	Combination	-190,810	-7,162	4,688	0,0014	-0,8789
96	0,75000	COMB2	Combination	-200,185	17,679	-4,687	0,0014	-0,8789
96	1,12500	COMB2	Combination	-209,560	43,214	-14,062	0,0014	2,6367
96	0,00000	COMB4	Combination	-603,726	-252,835	14,063	0,0011	2,6367
96	0,37500	COMB4	Combination	-613,101	-228,689	4,688	0,0011	-0,8789
96	0,75000	COMB4	Combination	-622,476	-203,848	-4,687	0,0011	-0,8789
96	1,12500	COMB4	Combination	-631,851	-178,313	-14,062	0,0011	2,6367
96	0,00000	COMB5	Combination	-584,973	-225,174	14,063	3,415E-04	2,6367
96	0,37500	COMB5	Combination	-594,348	-201,027	4,688	3,415E-04	-0,8789
96	0,75000	COMB5	Combination	-603,723	-176,186	-4,687	3,415E-04	-0,8789
96	1,12500	COMB5	Combination	-613,098	-150,651	-14,062	3,415E-04	2,6367
96	0,00000	COMB6	Combination	-181,948	-27,944	14,063	0,0016	2,6367
96	0,37500	COMB6	Combination	-191,323	-2,456	4,688	0,0016	-0,8789
96	0,75000	COMB6	Combination	-200,698	23,753	-4,687	0,0016	-0,8789
96	1,12500	COMB6	Combination	-210,073	50,685	-14,062	0,0016	2,6367
96	0,00000	COMB8	Combination	-632,197	-242,524	15,188	4,603E-04	2,8477

<p>GENERAL CONTRACTOR</p>  <p>Censozio Collegamenti Integrati Veloci</p>	<p>ALTA SORVEGLIANZA</p>  <p>GRUPPO FERROVIE DELLO STATO ITALIANE</p>	
<p>a301-00-d-cv-ro-gn00-0x-013-e00</p>		<p>Foglio 90 di 289</p>

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
96	0,37500	COMB8	Combination	-642,322	-217,037	5,063	4,603E-04	-0,9492
96	0,75000	COMB8	Combination	-652,447	-190,827	-5,062	4,603E-04	-0,9492
96	1,12500	COMB8	Combination	-662,572	-163,896	-15,187	4,603E-04	2,8477
96	0,00000	COMB8bis	Combination	-538,776	-201,094	12,938	7,011E-04	2,4258
96	0,37500	COMB8bis	Combination	-547,401	-175,607	4,313	7,011E-04	-0,8086
96	0,75000	COMB8bis	Combination	-556,026	-149,397	-4,312	7,011E-04	-0,8086
96	1,12500	COMB8bis	Combination	-564,651	-122,465	-12,937	7,011E-04	2,4258
97	0,00000	COMB1	Combination	-228,313	15,553	14,063	0,0021	2,6367
97	0,37500	COMB1	Combination	-237,688	42,130	4,688	0,0021	-0,8789
97	0,75000	COMB1	Combination	-247,063	70,098	-4,687	0,0021	-0,8789
97	1,12500	COMB1	Combination	-256,438	99,455	-14,062	0,0021	2,6367
97	0,00000	COMB2	Combination	-209,560	43,214	14,063	0,0014	2,6367
97	0,37500	COMB2	Combination	-218,935	69,792	4,688	0,0014	-0,8789
97	0,75000	COMB2	Combination	-228,310	97,759	-4,687	0,0014	-0,8789
97	1,12500	COMB2	Combination	-237,685	127,117	-14,062	0,0014	2,6367
97	0,00000	COMB4	Combination	-631,851	-178,313	14,063	0,0011	2,6367
97	0,37500	COMB4	Combination	-641,226	-151,735	4,688	0,0011	-0,8789
97	0,75000	COMB4	Combination	-650,601	-123,768	-4,687	0,0011	-0,8789
97	1,12500	COMB4	Combination	-659,976	-94,410	-14,062	0,0011	2,6367
97	0,00000	COMB5	Combination	-613,098	-150,651	14,063	3,415E-04	2,6367
97	0,37500	COMB5	Combination	-622,473	-124,074	4,688	3,415E-04	-0,8789
97	0,75000	COMB5	Combination	-631,848	-96,106	-4,687	3,415E-04	-0,8789
97	1,12500	COMB5	Combination	-641,223	-66,749	-14,062	3,415E-04	2,6367
97	0,00000	COMB6	Combination	-210,073	50,685	14,063	0,0016	2,6367
97	0,37500	COMB6	Combination	-219,448	78,700	4,688	0,0016	-0,8789
97	0,75000	COMB6	Combination	-228,823	108,162	-4,687	0,0016	-0,8789
97	1,12500	COMB6	Combination	-238,198	139,068	-14,062	0,0016	2,6367
97	0,00000	COMB8	Combination	-662,572	-163,896	15,188	4,603E-04	2,8477
97	0,37500	COMB8	Combination	-672,697	-135,880	5,063	4,603E-04	-0,9492
97	0,75000	COMB8	Combination	-682,822	-106,419	-5,062	4,603E-04	-0,9492
97	1,12500	COMB8	Combination	-692,947	-75,512	-15,187	4,603E-04	2,8477
97	0,00000	COMB8bis	Combination	-564,651	-122,465	12,938	7,011E-04	2,4258
97	0,37500	COMB8bis	Combination	-573,276	-94,450	4,313	7,011E-04	-0,8086
97	0,75000	COMB8bis	Combination	-581,901	-64,988	-4,312	7,011E-04	-0,8086
97	1,12500	COMB8bis	Combination	-590,526	-34,082	-12,937	7,011E-04	2,4258
98	0,00000	COMB1	Combination	-302,979	-355,643	12,694	0,0044	2,1494
98	0,33842	COMB1	Combination	-311,440	-320,701	4,234	0,0044	-0,7151
98	0,67684	COMB1	Combination	-319,901	-284,029	-4,226	0,0044	-0,7165
98	1,01526	COMB1	Combination	-328,362	-245,628	-12,686	0,0044	2,1452
98	0,00000	COMB2	Combination	-284,226	-320,411	12,694	6,967E-04	2,1492
98	0,33842	COMB2	Combination	-292,687	-285,469	4,234	6,967E-04	-0,7151
98	0,67684	COMB2	Combination	-301,148	-248,797	-4,226	6,967E-04	-0,7164
98	1,01526	COMB2	Combination	-309,608	-210,396	-12,686	6,967E-04	2,1453
98	0,00000	COMB4	Combination	-706,517	-306,637	12,699	0,0045	2,1520
98	0,33842	COMB4	Combination	-714,978	-271,695	4,239	0,0045	-0,7142
98	0,67684	COMB4	Combination	-723,439	-235,024	-4,221	0,0045	-0,7173
98	1,01526	COMB4	Combination	-731,900	-196,622	-12,681	0,0045	2,1425
98	0,00000	COMB5	Combination	-687,764	-271,405	12,699	7,887E-04	2,1519
98	0,33842	COMB5	Combination	-696,225	-236,463	4,239	7,887E-04	-0,7142
98	0,67684	COMB5	Combination	-704,686	-199,792	-4,221	7,887E-04	-0,7173
98	1,01526	COMB5	Combination	-713,147	-161,390	-12,681	7,887E-04	2,1427
98	0,00000	COMB6	Combination	-284,740	-343,068	12,694	9,425E-04	2,1492
98	0,33842	COMB6	Combination	-293,200	-306,390	4,234	9,425E-04	-0,7151
98	0,67684	COMB6	Combination	-301,661	-267,914	-4,226	9,425E-04	-0,7164
98	1,01526	COMB6	Combination	-310,122	-227,638	-12,686	9,425E-04	2,1453

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
98	0,00000	COMB8	Combination	-743,211	-288,205	13,715	9,763E-04	2,3241
98	0,33842	COMB8	Combination	-752,349	-251,527	4,578	9,763E-04	-0,7714
98	0,67684	COMB8	Combination	-761,487	-213,050	-4,559	9,763E-04	-0,7747
98	1,01526	COMB8	Combination	-770,625	-172,774	-13,695	9,763E-04	2,3141
98	0,00000	COMB8bis	Combination	-633,344	-299,921	11,683	0,0011	1,9798
98	0,33842	COMB8bis	Combination	-641,128	-263,243	3,900	0,0011	-0,6571
98	0,67684	COMB8bis	Combination	-648,912	-224,766	-3,883	0,0011	-0,6599
98	1,01526	COMB8bis	Combination	-656,696	-184,490	-11,666	0,0011	1,9712
99	0,00000	COMB1	Combination	-328,361	-245,628	12,695	0,0044	2,1495
99	0,33842	COMB1	Combination	-336,822	-205,497	4,234	0,0044	-0,7150
99	0,67684	COMB1	Combination	-345,283	-163,744	-4,226	0,0044	-0,7165
99	1,01526	COMB1	Combination	-353,743	-121,019	-12,686	0,0044	2,1450
99	0,00000	COMB2	Combination	-309,607	-210,396	12,694	6,967E-04	2,1494
99	0,33842	COMB2	Combination	-318,068	-170,265	4,234	6,967E-04	-0,7151
99	0,67684	COMB2	Combination	-326,529	-128,512	-4,226	6,967E-04	-0,7165
99	1,01526	COMB2	Combination	-334,990	-85,786	-12,686	6,967E-04	2,1452
99	0,00000	COMB4	Combination	-731,899	-196,622	12,700	0,0045	2,1522
99	0,33842	COMB4	Combination	-740,360	-156,491	4,240	0,0045	-0,7141
99	0,67684	COMB4	Combination	-748,821	-114,739	-4,220	0,0045	-0,7174
99	1,01526	COMB4	Combination	-757,281	-72,013	-12,680	0,0045	2,1424
99	0,00000	COMB5	Combination	-713,145	-161,390	12,700	7,887E-04	2,1521
99	0,33842	COMB5	Combination	-721,606	-121,259	4,239	7,887E-04	-0,7142
99	0,67684	COMB5	Combination	-730,067	-79,507	-4,221	7,887E-04	-0,7174
99	1,01526	COMB5	Combination	-738,528	-36,781	-12,681	7,887E-04	2,1425
99	0,00000	COMB6	Combination	-310,121	-227,638	12,694	9,425E-04	2,1494
99	0,33842	COMB6	Combination	-318,582	-185,563	4,234	9,425E-04	-0,7150
99	0,67684	COMB6	Combination	-327,043	-141,802	-4,226	9,425E-04	-0,7165
99	1,01526	COMB6	Combination	-335,504	-97,029	-12,686	9,425E-04	2,1451
99	0,00000	COMB8	Combination	-770,623	-172,774	13,715	9,763E-04	2,3242
99	0,33842	COMB8	Combination	-779,761	-130,700	4,579	9,763E-04	-0,7713
99	0,67684	COMB8	Combination	-788,899	-86,939	-4,558	9,763E-04	-0,7747
99	1,01526	COMB8	Combination	-798,037	-42,165	-13,695	9,763E-04	2,3139
99	0,00000	COMB8bis	Combination	-656,695	-184,490	11,684	0,0011	1,9799
99	0,33842	COMB8bis	Combination	-664,479	-142,416	3,900	0,0011	-0,6570
99	0,67684	COMB8bis	Combination	-672,263	-98,655	-3,883	0,0011	-0,6600
99	1,01526	COMB8bis	Combination	-680,047	-53,882	-11,666	0,0011	1,9711
100	0,00000	COMB1	Combination	-353,742	-121,019	12,695	0,0044	2,1497
100	0,33842	COMB1	Combination	-362,203	-77,428	4,235	0,0044	-0,7150
100	0,67684	COMB1	Combination	-370,664	-32,973	-4,225	0,0044	-0,7166
100	1,01526	COMB1	Combination	-379,125	12,347	-12,685	0,0044	2,1449
100	0,00000	COMB2	Combination	-334,989	-85,786	12,695	6,967E-04	2,1496
100	0,33842	COMB2	Combination	-343,450	-42,196	4,235	6,967E-04	-0,7150
100	0,67684	COMB2	Combination	-351,910	2,259	-4,225	6,967E-04	-0,7165
100	1,01526	COMB2	Combination	-360,371	47,579	-12,686	6,967E-04	2,1450
100	0,00000	COMB4	Combination	-757,280	-72,013	12,700	0,0045	2,1524
100	0,33842	COMB4	Combination	-765,741	-28,423	4,240	0,0045	-0,7141
100	0,67684	COMB4	Combination	-774,202	16,032	-4,220	0,0045	-0,7175
100	1,01526	COMB4	Combination	-782,663	61,353	-12,680	0,0045	2,1422
100	0,00000	COMB5	Combination	-738,527	-36,781	12,700	7,887E-04	2,1522
100	0,33842	COMB5	Combination	-746,988	6,809	4,240	7,887E-04	-0,7141
100	0,67684	COMB5	Combination	-755,448	51,265	-4,220	7,887E-04	-0,7174
100	1,01526	COMB5	Combination	-763,909	96,585	-12,680	7,887E-04	2,1423
100	0,00000	COMB6	Combination	-335,502	-97,029	12,695	9,425E-04	2,1496
100	0,33842	COMB6	Combination	-343,963	-51,356	4,235	9,425E-04	-0,7150
100	0,67684	COMB6	Combination	-352,424	-4,784	-4,225	9,425E-04	-0,7165

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
100	1,01526	COMB6	Combination	-360,885	42,687	-12,686	9,425E-04	2,1450
100	0,00000	COMB8	Combination	-798,035	-42,165	13,716	9,763E-04	2,3244
100	0,33842	COMB8	Combination	-807,173	3,507	4,579	9,763E-04	-0,7712
100	0,67684	COMB8	Combination	-816,311	50,079	-4,558	9,763E-04	-0,7748
100	1,01526	COMB8	Combination	-825,449	97,550	-13,695	9,763E-04	2,3137
100	0,00000	COMB8bis	Combination	-680,046	-53,882	11,684	0,0011	1,9801
100	0,33842	COMB8bis	Combination	-687,830	-8,209	3,901	0,0011	-0,6570
100	0,67684	COMB8bis	Combination	-695,614	38,363	-3,883	0,0011	-0,6600
100	1,01526	COMB8bis	Combination	-703,398	85,834	-11,666	0,0011	1,9709
101	0,00000	COMB1	Combination	-379,124	12,347	12,695	0,0044	2,1499
101	0,33842	COMB1	Combination	-387,585	58,532	4,235	0,0044	-0,7149
101	0,67684	COMB1	Combination	-396,045	105,582	-4,225	0,0044	-0,7166
101	1,01526	COMB1	Combination	-404,506	153,497	-12,685	0,0044	2,1447
101	0,00000	COMB2	Combination	-360,370	47,579	12,695	6,967E-04	2,1497
101	0,33842	COMB2	Combination	-368,831	93,764	4,235	6,967E-04	-0,7149
101	0,67684	COMB2	Combination	-377,292	140,814	-4,225	6,967E-04	-0,7166
101	1,01526	COMB2	Combination	-385,753	188,729	-12,685	6,967E-04	2,1448
101	0,00000	COMB4	Combination	-782,662	61,353	12,700	0,0045	2,1525
101	0,33842	COMB4	Combination	-791,123	107,538	4,240	0,0045	-0,7140
101	0,67684	COMB4	Combination	-799,583	154,587	-4,220	0,0045	-0,7175
101	1,01526	COMB4	Combination	-808,044	202,502	-12,680	0,0045	2,1420
101	0,00000	COMB5	Combination	-763,908	96,585	12,700	7,887E-04	2,1524
101	0,33842	COMB5	Combination	-772,369	142,770	4,240	7,887E-04	-0,7140
101	0,67684	COMB5	Combination	-780,830	189,820	-4,220	7,887E-04	-0,7175
101	1,01526	COMB5	Combination	-789,291	237,734	-12,680	7,887E-04	2,1421
101	0,00000	COMB6	Combination	-360,884	42,687	12,695	9,425E-04	2,1497
101	0,33842	COMB6	Combination	-369,345	91,058	4,235	9,425E-04	-0,7149
101	0,67684	COMB6	Combination	-377,806	140,328	-4,225	9,425E-04	-0,7166
101	1,01526	COMB6	Combination	-386,267	190,498	-12,685	9,425E-04	2,1448
101	0,00000	COMB8	Combination	-825,447	97,550	13,716	9,763E-04	2,3246
101	0,33842	COMB8	Combination	-834,585	145,921	4,579	9,763E-04	-0,7712
101	0,67684	COMB8	Combination	-843,723	195,191	-4,558	9,763E-04	-0,7749
101	1,01526	COMB8	Combination	-852,861	245,361	-13,694	9,763E-04	2,3135
101	0,00000	COMB8bis	Combination	-703,397	85,834	11,684	0,0011	1,9802
101	0,33842	COMB8bis	Combination	-711,181	134,205	3,901	0,0011	-0,6569
101	0,67684	COMB8bis	Combination	-718,965	183,475	-3,882	0,0011	-0,6601
101	1,01526	COMB8bis	Combination	-726,749	233,645	-11,666	0,0011	1,9708
102	0,00000	COMB1	Combination	-404,505	153,497	12,695	0,0044	2,1500
102	0,33842	COMB1	Combination	-412,966	202,276	4,235	0,0044	-0,7148
102	0,67684	COMB1	Combination	-421,427	252,026	-4,225	0,0044	-0,7167
102	1,01526	COMB1	Combination	-429,888	303,381	-12,685	0,0044	2,1445
102	0,00000	COMB2	Combination	-385,752	188,729	12,695	6,967E-04	2,1499
102	0,33842	COMB2	Combination	-394,212	237,508	4,235	6,967E-04	-0,7149
102	0,67684	COMB2	Combination	-402,673	287,259	-4,225	6,967E-04	-0,7166
102	1,01526	COMB2	Combination	-411,134	338,613	-12,685	6,967E-04	2,1446
102	0,00000	COMB4	Combination	-808,043	202,502	12,701	0,0045	2,1527
102	0,33842	COMB4	Combination	-816,504	251,282	4,241	0,0045	-0,7140
102	0,67684	COMB4	Combination	-824,965	301,032	-4,219	0,0045	-0,7176
102	1,01526	COMB4	Combination	-833,426	352,387	-12,679	0,0045	2,1419
102	0,00000	COMB5	Combination	-789,290	237,734	12,701	7,887E-04	2,1526
102	0,33842	COMB5	Combination	-797,750	286,514	4,240	7,887E-04	-0,7140
102	0,67684	COMB5	Combination	-806,211	336,264	-4,220	7,887E-04	-0,7175
102	1,01526	COMB5	Combination	-814,672	387,619	-12,680	7,887E-04	2,1420
102	0,00000	COMB6	Combination	-386,265	190,498	12,695	9,425E-04	2,1499
102	0,33842	COMB6	Combination	-394,726	241,567	4,235	9,425E-04	-0,7149

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
102	0,67684	COMB6	Combination	-403,187	293,645	-4,225	9,425E-04	-0,7166
102	1,01526	COMB6	Combination	-411,648	347,393	-12,685	9,425E-04	2,1446
102	0,00000	COMB8	Combination	-852,859	245,361	13,717	9,763E-04	2,3248
102	0,33842	COMB8	Combination	-861,997	296,430	4,580	9,763E-04	-0,7711
102	0,67684	COMB8	Combination	-871,135	348,509	-4,557	9,763E-04	-0,7749
102	1,01526	COMB8	Combination	-880,272	402,256	-13,694	9,763E-04	2,3133
102	0,00000	COMB8bis	Combination	-726,748	233,645	11,684	0,0011	1,9804
102	0,33842	COMB8bis	Combination	-734,532	284,714	3,901	0,0011	-0,6569
102	0,67684	COMB8bis	Combination	-742,316	336,793	-3,882	0,0011	-0,6601
102	1,01526	COMB8bis	Combination	-750,100	390,540	-11,665	0,0011	1,9706
103	0,00000	COMB1	Combination	-429,886	303,381	12,696	0,0044	2,1502
103	0,01526	COMB1	Combination	-430,268	305,737	12,314	0,0044	1,9594
103	0,00000	COMB2	Combination	-411,133	338,613	12,696	6,967E-04	2,1501
103	0,01526	COMB2	Combination	-411,514	340,969	12,314	6,967E-04	1,9593
103	0,00000	COMB4	Combination	-833,425	352,387	12,701	0,0045	2,1529
103	0,01526	COMB4	Combination	-833,806	354,742	12,320	0,0045	1,9620
103	0,00000	COMB5	Combination	-814,671	387,619	12,701	7,887E-04	2,1527
103	0,01526	COMB5	Combination	-815,052	389,974	12,319	7,887E-04	1,9619
103	0,00000	COMB6	Combination	-411,647	347,393	12,696	9,425E-04	2,1501
103	0,01526	COMB6	Combination	-412,028	349,858	12,314	9,425E-04	1,9593
103	0,00000	COMB8	Combination	-880,271	402,256	13,717	9,763E-04	2,3250
103	0,01526	COMB8	Combination	-880,683	404,721	13,305	9,763E-04	2,1188
103	0,00000	COMB8bis	Combination	-750,099	390,540	11,685	0,0011	1,9805
103	0,01526	COMB8bis	Combination	-750,450	393,005	11,334	0,0011	1,8049
104	0,40000	COMB1	Combination	-114,285	143,850	4,062	2,430E-04	-0,9883
104	0,76250	COMB1	Combination	-123,347	143,850	-5,000	2,430E-04	-0,8184
104	1,12500	COMB1	Combination	-132,410	143,850	-14,063	2,430E-04	2,6367
104	0,40000	COMB2	Combination	-133,038	136,749	4,062	0,0012	-0,9883
104	0,76250	COMB2	Combination	-142,101	120,530	-5,000	0,0012	-0,8184
104	1,12500	COMB2	Combination	-151,163	103,014	-14,063	0,0012	2,6367
104	0,40000	COMB4	Combination	-517,471	338,839	4,062	-7,442E-04	-0,9883
104	0,76250	COMB4	Combination	-526,534	338,839	-5,000	-7,442E-04	-0,8184
104	1,12500	COMB4	Combination	-535,596	338,839	-14,063	-7,442E-04	2,6367
104	0,40000	COMB5	Combination	-536,225	331,738	4,062	2,424E-04	-0,9883
104	0,76250	COMB5	Combination	-545,287	315,520	-5,000	2,424E-04	-0,8184
104	1,12500	COMB5	Combination	-554,350	298,004	-14,063	2,424E-04	2,6367
104	0,40000	COMB6	Combination	-132,524	146,995	4,062	0,0012	-0,9883
104	0,76250	COMB6	Combination	-141,587	131,139	-5,000	0,0012	-0,8184
104	1,12500	COMB6	Combination	-150,649	113,986	-14,063	0,0012	2,6367
104	0,40000	COMB8	Combination	-578,696	362,819	4,387	1,039E-04	-1,0673
104	0,76250	COMB8	Combination	-588,484	346,964	-5,400	1,039E-04	-0,8838
104	1,12500	COMB8	Combination	-598,271	329,810	-15,188	1,039E-04	2,8477
104	0,40000	COMB8bis	Combination	-492,725	321,150	3,737	3,374E-04	-0,9092
104	0,76250	COMB8bis	Combination	-501,063	305,294	-4,600	3,374E-04	-0,7529
104	1,12500	COMB8bis	Combination	-509,400	288,140	-12,938	3,374E-04	2,4258
105	0,00000	COMB1	Combination	-132,410	52,625	14,062	2,430E-04	2,6367
105	0,37500	COMB1	Combination	-141,785	52,625	4,687	2,430E-04	-0,8789
105	0,75000	COMB1	Combination	-151,160	52,625	-4,688	2,430E-04	-0,8789
105	1,12500	COMB1	Combination	-160,535	52,625	-14,063	2,430E-04	2,6367
105	0,00000	COMB2	Combination	-151,163	92,202	14,062	0,0012	2,6367
105	0,37500	COMB2	Combination	-160,538	73,063	4,687	0,0012	-0,8789
105	0,75000	COMB2	Combination	-169,913	53,230	-4,688	0,0012	-0,8789
105	1,12500	COMB2	Combination	-179,288	32,703	-14,063	0,0012	2,6367
105	0,00000	COMB4	Combination	-535,596	246,929	14,062	-7,442E-04	2,6367
105	0,37500	COMB4	Combination	-544,971	246,929	4,687	-7,442E-04	-0,8789

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
105	0,75000	COMB4	Combination	-554,346	246,929	-4,688	-7,442E-04	-0,8789
105	1,12500	COMB4	Combination	-563,721	246,929	-14,063	-7,442E-04	2,6367
105	0,00000	COMB5	Combination	-554,350	286,506	14,062	2,424E-04	2,6367
105	0,37500	COMB5	Combination	-563,725	267,368	4,687	2,424E-04	-0,8789
105	0,75000	COMB5	Combination	-573,100	247,535	-4,688	2,424E-04	-0,8789
105	1,12500	COMB5	Combination	-582,475	227,008	-14,063	2,424E-04	2,6367
105	0,00000	COMB6	Combination	-150,649	94,568	14,062	0,0012	2,6367
105	0,37500	COMB6	Combination	-160,024	75,804	4,687	0,0012	-0,8789
105	0,75000	COMB6	Combination	-169,399	56,346	-4,688	0,0012	-0,8789
105	1,12500	COMB6	Combination	-178,774	36,194	-14,063	0,0012	2,6367
105	0,00000	COMB8	Combination	-598,271	309,645	15,187	1,039E-04	2,8477
105	0,37500	COMB8	Combination	-608,396	290,881	5,062	1,039E-04	-0,9492
105	0,75000	COMB8	Combination	-618,521	271,423	-5,063	1,039E-04	-0,9492
105	1,12500	COMB8	Combination	-628,646	251,271	-15,188	1,039E-04	2,8477
105	0,00000	COMB8bis	Combination	-509,400	268,100	12,937	3,374E-04	2,4258
105	0,37500	COMB8bis	Combination	-518,025	249,337	4,312	3,374E-04	-0,8086
105	0,75000	COMB8bis	Combination	-526,650	229,879	-4,313	3,374E-04	-0,8086
105	1,12500	COMB8bis	Combination	-535,275	209,727	-12,938	3,374E-04	2,4258
106	0,00000	COMB1	Combination	-160,535	-45,392	14,062	2,430E-04	2,6367
106	0,37500	COMB1	Combination	-169,910	-45,392	4,687	2,430E-04	-0,8789
106	0,75000	COMB1	Combination	-179,285	-45,392	-4,688	2,430E-04	-0,8789
106	1,12500	COMB1	Combination	-188,660	-45,392	-14,063	2,430E-04	2,6367
106	0,00000	COMB2	Combination	-179,288	22,147	14,062	0,0012	2,6367
106	0,37500	COMB2	Combination	-188,663	0,926	4,687	0,0012	-0,8789
106	0,75000	COMB2	Combination	-198,038	-20,990	-4,688	0,0012	-0,8789
106	1,12500	COMB2	Combination	-207,413	-43,600	-14,063	0,0012	2,6367
106	0,00000	COMB4	Combination	-563,721	147,504	14,062	-7,442E-04	2,6367
106	0,37500	COMB4	Combination	-573,096	147,504	4,687	-7,442E-04	-0,8789
106	0,75000	COMB4	Combination	-582,471	147,504	-4,688	-7,442E-04	-0,8789
106	1,12500	COMB4	Combination	-591,846	147,504	-14,063	-7,442E-04	2,6367
106	0,00000	COMB5	Combination	-582,475	215,044	14,062	2,424E-04	2,6367
106	0,37500	COMB5	Combination	-591,850	193,823	4,687	2,424E-04	-0,8789
106	0,75000	COMB5	Combination	-601,225	171,907	-4,688	2,424E-04	-0,8789
106	1,12500	COMB5	Combination	-610,600	149,296	-14,063	2,424E-04	2,6367
106	0,00000	COMB6	Combination	-178,774	16,480	14,062	0,0012	2,6367
106	0,37500	COMB6	Combination	-188,149	-4,366	4,687	0,0012	-0,8789
106	0,75000	COMB6	Combination	-197,524	-25,907	-4,688	0,0012	-0,8789
106	1,12500	COMB6	Combination	-206,899	-48,142	-14,063	0,0012	2,6367
106	0,00000	COMB8	Combination	-628,646	230,014	15,187	1,039E-04	2,8477
106	0,37500	COMB8	Combination	-638,771	209,168	5,062	1,039E-04	-0,9492
106	0,75000	COMB8	Combination	-648,896	187,627	-5,063	1,039E-04	-0,9492
106	1,12500	COMB8	Combination	-659,021	165,391	-15,188	1,039E-04	2,8477
106	0,00000	COMB8bis	Combination	-535,275	188,740	12,937	3,374E-04	2,4258
106	0,37500	COMB8bis	Combination	-543,900	167,894	4,312	3,374E-04	-0,8086
106	0,75000	COMB8bis	Combination	-552,525	146,353	-4,313	3,374E-04	-0,8086
106	1,12500	COMB8bis	Combination	-561,150	124,117	-12,938	3,374E-04	2,4258
107	0,00000	COMB1	Combination	-188,660	-150,606	14,062	2,430E-04	2,6367
107	0,37500	COMB1	Combination	-198,035	-150,606	4,687	2,430E-04	-0,8789
107	0,75000	COMB1	Combination	-207,410	-150,606	-4,688	2,430E-04	-0,8789
107	1,12500	COMB1	Combination	-216,785	-150,606	-14,063	2,430E-04	2,6367
107	0,00000	COMB2	Combination	-207,413	-53,820	14,062	0,0012	2,6367
107	0,37500	COMB2	Combination	-216,788	-77,473	4,687	0,0012	-0,8789
107	0,75000	COMB2	Combination	-226,163	-102,515	-4,688	0,0012	-0,8789
107	1,12500	COMB2	Combination	-235,538	-128,948	-14,063	0,0012	2,6367
107	0,00000	COMB4	Combination	-591,846	41,436	14,062	-7,442E-04	2,6367

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
107	0,37500	COMB4	Combination	-601,221	41,436	4,687	-7,442E-04	-0,8789
107	0,75000	COMB4	Combination	-610,596	41,436	-4,688	-7,442E-04	-0,8789
107	1,12500	COMB4	Combination	-619,971	41,436	-14,063	-7,442E-04	2,6367
107	0,00000	COMB5	Combination	-610,600	138,221	14,062	2,424E-04	2,6367
107	0,37500	COMB5	Combination	-619,975	114,569	4,687	2,424E-04	-0,8789
107	0,75000	COMB5	Combination	-629,350	89,526	-4,688	2,424E-04	-0,8789
107	1,12500	COMB5	Combination	-638,725	63,094	-14,063	2,424E-04	2,6367
107	0,00000	COMB6	Combination	-206,899	-68,144	14,062	0,0012	2,6367
107	0,37500	COMB6	Combination	-216,274	-91,422	4,687	0,0012	-0,8789
107	0,75000	COMB6	Combination	-225,649	-116,089	-4,688	0,0012	-0,8789
107	1,12500	COMB6	Combination	-235,024	-142,147	-14,063	0,0012	2,6367
107	0,00000	COMB8	Combination	-659,021	144,456	15,187	1,039E-04	2,8477
107	0,37500	COMB8	Combination	-669,146	121,179	5,062	1,039E-04	-0,9492
107	0,75000	COMB8	Combination	-679,271	96,511	-5,063	1,039E-04	-0,9492
107	1,12500	COMB8	Combination	-689,396	70,454	-15,188	1,039E-04	2,8477
107	0,00000	COMB8bis	Combination	-561,150	103,338	12,937	3,374E-04	2,4258
107	0,37500	COMB8bis	Combination	-569,775	80,061	4,312	3,374E-04	-0,8086
107	0,75000	COMB8bis	Combination	-578,400	55,393	-4,313	3,374E-04	-0,8086
107	1,12500	COMB8bis	Combination	-587,025	29,336	-12,938	3,374E-04	2,4258
108	0,00000	COMB1	Combination	-263,327	197,386	12,688	-0,0037	2,1457
108	0,33842	COMB1	Combination	-271,787	197,386	4,227	-0,0037	-0,7164
108	0,67684	COMB1	Combination	-280,247	197,386	-4,234	-0,0037	-0,7152
108	1,01526	COMB1	Combination	-288,707	197,386	-12,695	-0,0037	2,1492
108	0,00000	COMB2	Combination	-282,081	309,295	12,688	2,716E-04	2,1456
108	0,33842	COMB2	Combination	-290,541	277,668	4,227	2,716E-04	-0,7165
108	0,67684	COMB2	Combination	-299,001	244,311	-4,234	2,716E-04	-0,7152
108	1,01526	COMB2	Combination	-307,461	209,225	-12,695	2,716E-04	2,1494
108	0,00000	COMB4	Combination	-666,514	146,600	12,683	-0,0037	2,1432
108	0,33842	COMB4	Combination	-674,974	146,600	4,222	-0,0037	-0,7173
108	0,67684	COMB4	Combination	-683,434	146,600	-4,239	-0,0037	-0,7144
108	1,01526	COMB4	Combination	-691,894	146,600	-12,700	-0,0037	2,1518
108	0,00000	COMB5	Combination	-685,267	258,509	12,683	2,545E-04	2,1431
108	0,33842	COMB5	Combination	-693,727	226,882	4,222	2,545E-04	-0,7173
108	0,67684	COMB5	Combination	-702,187	193,525	-4,239	2,545E-04	-0,7144
108	1,01526	COMB5	Combination	-710,647	158,439	-12,700	2,545E-04	2,1519
108	0,00000	COMB6	Combination	-281,567	324,487	12,688	1,652E-04	2,1456
108	0,33842	COMB6	Combination	-290,027	293,199	4,227	1,652E-04	-0,7165
108	0,67684	COMB6	Combination	-298,487	260,180	-4,234	1,652E-04	-0,7152
108	1,01526	COMB6	Combination	-306,947	225,432	-12,695	1,652E-04	2,1494
108	0,00000	COMB8	Combination	-739,662	267,696	13,697	8,357E-05	2,3145
108	0,33842	COMB8	Combination	-748,799	236,407	4,559	8,357E-05	-0,7747
108	0,67684	COMB8	Combination	-757,936	203,389	-4,578	8,357E-05	-0,7715
108	1,01526	COMB8	Combination	-767,073	168,641	-13,716	8,357E-05	2,3241
108	0,00000	COMB8bis	Combination	-629,844	279,706	11,668	2,126E-04	1,9716
108	0,33842	COMB8bis	Combination	-637,628	248,418	3,884	2,126E-04	-0,6599
108	0,67684	COMB8bis	Combination	-645,411	215,399	-3,900	2,126E-04	-0,6572
108	1,01526	COMB8bis	Combination	-653,194	180,651	-11,684	2,126E-04	1,9798
109	0,00000	COMB1	Combination	-288,709	90,272	12,688	-0,0037	2,1456
109	0,33842	COMB1	Combination	-297,169	90,272	4,227	-0,0037	-0,7165
109	0,67684	COMB1	Combination	-305,629	90,272	-4,234	-0,0037	-0,7152
109	1,01526	COMB1	Combination	-314,089	90,272	-12,695	-0,0037	2,1494
109	0,00000	COMB2	Combination	-307,462	201,325	12,687	2,716E-04	2,1455
109	0,33842	COMB2	Combination	-315,922	164,509	4,226	2,716E-04	-0,7165
109	0,67684	COMB2	Combination	-324,382	126,071	-4,234	2,716E-04	-0,7152
109	1,01526	COMB2	Combination	-332,842	86,660	-12,695	2,716E-04	2,1495

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
109	0,00000	COMB4	Combination	-691,895	39,788	12,683	-0,0037	2,1430
109	0,33842	COMB4	Combination	-700,355	39,788	4,222	-0,0037	-0,7173
109	0,67684	COMB4	Combination	-708,815	39,788	-4,239	-0,0037	-0,7143
109	1,01526	COMB4	Combination	-717,275	39,788	-12,700	-0,0037	2,1520
109	0,00000	COMB5	Combination	-710,649	150,840	12,682	2,545E-04	2,1429
109	0,33842	COMB5	Combination	-719,109	114,024	4,221	2,545E-04	-0,7174
109	0,67684	COMB5	Combination	-727,569	75,586	-4,240	2,545E-04	-0,7143
109	1,01526	COMB5	Combination	-736,029	36,176	-12,700	2,545E-04	2,1521
109	0,00000	COMB6	Combination	-306,948	207,574	12,687	1,652E-04	2,1455
109	0,33842	COMB6	Combination	-315,408	171,096	4,226	1,652E-04	-0,7165
109	0,67684	COMB6	Combination	-323,868	132,997	-4,234	1,652E-04	-0,7152
109	1,01526	COMB6	Combination	-332,328	93,925	-12,695	1,652E-04	2,1495
109	0,00000	COMB8	Combination	-767,074	151,111	13,697	8,357E-05	2,3143
109	0,33842	COMB8	Combination	-776,211	114,633	4,559	8,357E-05	-0,7748
109	0,67684	COMB8	Combination	-785,348	76,534	-4,579	8,357E-05	-0,7714
109	1,01526	COMB8	Combination	-794,485	37,462	-13,716	8,357E-05	2,3243
109	0,00000	COMB8bis	Combination	-653,195	163,069	11,668	2,126E-04	1,9715
109	0,33842	COMB8bis	Combination	-660,979	126,591	3,884	2,126E-04	-0,6600
109	0,67684	COMB8bis	Combination	-668,762	88,491	-3,900	2,126E-04	-0,6572
109	1,01526	COMB8bis	Combination	-676,545	49,419	-11,684	2,126E-04	1,9799
110	0,00000	COMB1	Combination	-314,090	-22,521	12,687	-0,0037	2,1454
110	0,33842	COMB1	Combination	-322,550	-22,521	4,226	-0,0037	-0,7165
110	0,67684	COMB1	Combination	-331,010	-22,521	-4,235	-0,0037	-0,7151
110	1,01526	COMB1	Combination	-339,470	-22,521	-12,695	-0,0037	2,1496
110	0,00000	COMB2	Combination	-332,844	79,292	12,687	2,716E-04	2,1453
110	0,33842	COMB2	Combination	-341,304	39,016	4,226	2,716E-04	-0,7166
110	0,67684	COMB2	Combination	-349,764	-2,124	-4,235	2,716E-04	-0,7151
110	1,01526	COMB2	Combination	-358,224	-44,130	-12,696	2,716E-04	2,1497
110	0,00000	COMB4	Combination	-717,276	-72,702	12,682	-0,0037	2,1429
110	0,33842	COMB4	Combination	-725,737	-72,702	4,221	-0,0037	-0,7174
110	0,67684	COMB4	Combination	-734,197	-72,702	-4,240	-0,0037	-0,7143
110	1,01526	COMB4	Combination	-742,657	-72,702	-12,700	-0,0037	2,1521
110	0,00000	COMB5	Combination	-736,030	29,110	12,682	2,545E-04	2,1427
110	0,33842	COMB5	Combination	-744,490	-11,165	4,221	2,545E-04	-0,7174
110	0,67684	COMB5	Combination	-752,950	-52,306	-4,240	2,545E-04	-0,7142
110	1,01526	COMB5	Combination	-761,410	-94,311	-12,701	2,545E-04	2,1523
110	0,00000	COMB6	Combination	-332,330	76,036	12,687	1,652E-04	2,1453
110	0,33842	COMB6	Combination	-340,790	36,099	4,226	1,652E-04	-0,7166
110	0,67684	COMB6	Combination	-349,250	-4,703	-4,235	1,652E-04	-0,7151
110	1,01526	COMB6	Combination	-357,710	-46,370	-12,696	1,652E-04	2,1497
110	0,00000	COMB8	Combination	-794,486	19,895	13,697	8,357E-05	2,3142
110	0,33842	COMB8	Combination	-803,623	-20,042	4,559	8,357E-05	-0,7748
110	0,67684	COMB8	Combination	-812,760	-60,844	-4,579	8,357E-05	-0,7714
110	1,01526	COMB8	Combination	-821,897	-102,511	-13,717	8,357E-05	2,3244
110	0,00000	COMB8bis	Combination	-676,546	31,814	11,667	2,126E-04	1,9713
110	0,33842	COMB8bis	Combination	-684,330	-8,123	3,883	2,126E-04	-0,6600
110	0,67684	COMB8bis	Combination	-692,113	-48,925	-3,901	2,126E-04	-0,6571
110	1,01526	COMB8bis	Combination	-699,896	-90,592	-11,685	2,126E-04	1,9801
111	0,00000	COMB1	Combination	-339,471	-141,461	12,687	-0,0037	2,1453
111	0,33842	COMB1	Combination	-347,932	-141,461	4,226	-0,0037	-0,7166
111	0,67684	COMB1	Combination	-356,392	-141,461	-4,235	-0,0037	-0,7151
111	1,01526	COMB1	Combination	-364,852	-141,461	-12,696	-0,0037	2,1497
111	0,00000	COMB2	Combination	-358,225	-51,809	12,687	2,716E-04	2,1451
111	0,33842	COMB2	Combination	-366,685	-94,680	4,226	2,716E-04	-0,7166
111	0,67684	COMB2	Combination	-375,145	-138,415	-4,235	2,716E-04	-0,7150

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
111	1,01526	COMB2	Combination	-383,605	-183,014	-12,696	2,716E-04	2,1499
111	0,00000	COMB4	Combination	-742,658	-191,438	12,682	-0,0037	2,1427
111	0,33842	COMB4	Combination	-751,118	-191,438	4,221	-0,0037	-0,7174
111	0,67684	COMB4	Combination	-759,578	-191,438	-4,240	-0,0037	-0,7142
111	1,01526	COMB4	Combination	-768,038	-191,438	-12,701	-0,0037	2,1523
111	0,00000	COMB5	Combination	-761,411	-101,787	12,682	2,545E-04	2,1426
111	0,33842	COMB5	Combination	-769,871	-144,657	4,221	2,545E-04	-0,7175
111	0,67684	COMB5	Combination	-778,332	-188,392	-4,240	2,545E-04	-0,7142
111	1,01526	COMB5	Combination	-786,792	-232,992	-12,701	2,545E-04	2,1524
111	0,00000	COMB6	Combination	-357,711	-65,190	12,687	1,652E-04	2,1451
111	0,33842	COMB6	Combination	-366,171	-107,722	4,226	1,652E-04	-0,7166
111	0,67684	COMB6	Combination	-374,631	-151,119	-4,235	1,652E-04	-0,7150
111	1,01526	COMB6	Combination	-383,091	-195,380	-12,696	1,652E-04	2,1498
111	0,00000	COMB8	Combination	-821,898	-121,122	13,696	8,357E-05	2,3140
111	0,33842	COMB8	Combination	-831,035	-163,653	4,558	8,357E-05	-0,7749
111	0,67684	COMB8	Combination	-840,172	-207,050	-4,579	8,357E-05	-0,7713
111	1,01526	COMB8	Combination	-849,309	-251,312	-13,717	8,357E-05	2,3246
111	0,00000	COMB8bis	Combination	-699,897	-109,213	11,667	2,126E-04	1,9712
111	0,33842	COMB8bis	Combination	-707,680	-151,745	3,883	2,126E-04	-0,6601
111	0,67684	COMB8bis	Combination	-715,464	-195,142	-3,901	2,126E-04	-0,6571
111	1,01526	COMB8bis	Combination	-723,247	-239,403	-11,685	2,126E-04	1,9802
112	0,00000	COMB1	Combination	-364,853	-266,946	12,687	-0,0037	2,1451
112	0,33842	COMB1	Combination	-373,313	-266,946	4,226	-0,0037	-0,7166
112	0,67684	COMB1	Combination	-381,773	-266,946	-4,235	-0,0037	-0,7150
112	1,01526	COMB1	Combination	-390,233	-266,946	-12,696	-0,0037	2,1499
112	0,00000	COMB2	Combination	-383,606	-191,911	12,686	2,716E-04	2,1450
112	0,33842	COMB2	Combination	-392,066	-237,376	4,225	2,716E-04	-0,7167
112	0,67684	COMB2	Combination	-400,527	-283,811	-4,235	2,716E-04	-0,7150
112	1,01526	COMB2	Combination	-408,987	-331,851	-12,696	2,716E-04	2,1500
112	0,00000	COMB4	Combination	-768,039	-316,756	12,682	-0,0037	2,1425
112	0,33842	COMB4	Combination	-776,499	-316,756	4,221	-0,0037	-0,7175
112	0,67684	COMB4	Combination	-784,959	-316,756	-4,240	-0,0037	-0,7142
112	1,01526	COMB4	Combination	-793,420	-316,756	-12,701	-0,0037	2,1525
112	0,00000	COMB5	Combination	-786,793	-241,722	12,681	2,545E-04	2,1424
112	0,33842	COMB5	Combination	-795,253	-287,186	4,220	2,545E-04	-0,7175
112	0,67684	COMB5	Combination	-803,713	-333,622	-4,240	2,545E-04	-0,7141
112	1,01526	COMB5	Combination	-812,173	-381,661	-12,701	2,545E-04	2,1526
112	0,00000	COMB6	Combination	-383,093	-216,089	12,686	1,652E-04	2,1450
112	0,33842	COMB6	Combination	-391,553	-261,215	4,225	1,652E-04	-0,7167
112	0,67684	COMB6	Combination	-400,013	-307,312	-4,235	1,652E-04	-0,7150
112	1,01526	COMB6	Combination	-408,473	-355,013	-12,696	1,652E-04	2,1500
112	0,00000	COMB8	Combination	-849,310	-271,849	13,696	8,357E-05	2,3138
112	0,33842	COMB8	Combination	-858,447	-316,975	4,558	8,357E-05	-0,7749
112	0,67684	COMB8	Combination	-867,584	-363,072	-4,580	8,357E-05	-0,7713
112	1,01526	COMB8	Combination	-876,720	-410,773	-13,717	8,357E-05	2,3248
112	0,00000	COMB8bis	Combination	-723,248	-259,949	11,667	2,126E-04	1,9710
112	0,33842	COMB8bis	Combination	-731,031	-305,075	3,883	2,126E-04	-0,6601
112	0,67684	COMB8bis	Combination	-738,815	-351,172	-3,901	2,126E-04	-0,6570
112	1,01526	COMB8bis	Combination	-746,598	-398,873	-11,685	2,126E-04	1,9804
113	0,00000	COMB1	Combination	-390,234	-398,924	12,686	-0,0037	2,1449
113	0,01526	COMB1	Combination	-390,616	-398,924	12,305	-0,0037	1,9543
113	0,00000	COMB2	Combination	-408,988	-342,502	12,686	2,716E-04	2,1448
113	0,01526	COMB2	Combination	-409,369	-344,709	12,305	2,716E-04	1,9542
113	0,00000	COMB4	Combination	-793,421	-448,385	12,681	-0,0037	2,1424
113	0,01526	COMB4	Combination	-793,802	-448,385	12,300	-0,0037	1,9518

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
113	0,00000	COMB5	Combination	-812,174	-391,963	12,681	2,545E-04	2,1423
113	0,01526	COMB5	Combination	-812,556	-394,169	12,300	2,545E-04	1,9517
113	0,00000	COMB6	Combination	-408,474	-378,156	12,686	1,652E-04	2,1448
113	0,01526	COMB6	Combination	-408,855	-380,346	12,305	1,652E-04	1,9542
113	0,00000	COMB8	Combination	-876,722	-433,532	13,695	8,357E-05	2,3136
113	0,01526	COMB8	Combination	-877,134	-435,723	13,284	8,357E-05	2,1078
113	0,00000	COMB8bis	Combination	-746,599	-421,701	11,667	2,126E-04	1,9709
113	0,01526	COMB8bis	Combination	-746,950	-423,891	11,316	2,126E-04	1,7956
114	0,50000	COMB1	Combination	-467,709	-183,475	0,783	0,0000	-6,6615
114	0,87056	COMB1	Combination	-467,709	-202,003	-17,745	0,0000	-3,5187
114	1,24111	COMB1	Combination	-467,709	-220,531	-36,273	0,0000	6,4897
114	0,50000	COMB2	Combination	-502,941	-196,142	0,777	0,0000	-6,6659
114	0,87056	COMB2	Combination	-502,941	-214,670	-17,751	0,0000	-3,5209
114	1,24111	COMB2	Combination	-502,941	-233,198	-36,279	0,0000	6,4897
114	0,50000	COMB4	Combination	-516,715	-441,329	0,776	0,0000	-6,6665
114	0,87056	COMB4	Combination	-516,715	-459,857	-17,752	0,0000	-3,5212
114	1,24111	COMB4	Combination	-516,715	-478,385	-36,280	0,0000	6,4898
114	0,50000	COMB5	Combination	-551,947	-453,996	0,770	0,0000	-6,6709
114	0,87056	COMB5	Combination	-551,947	-472,524	-17,758	0,0000	-3,5234
114	1,24111	COMB5	Combination	-551,947	-491,052	-36,286	0,0000	6,4898
114	0,50000	COMB6	Combination	-520,309	-193,214	0,777	0,0000	-6,6659
114	0,87056	COMB6	Combination	-521,050	-211,742	-17,751	0,0000	-3,5209
114	1,24111	COMB6	Combination	-521,791	-230,269	-36,279	0,0000	6,4897
114	0,50000	COMB8	Combination	-575,172	-487,252	0,833	0,0000	-7,2035
114	0,87056	COMB8	Combination	-575,914	-507,262	-19,177	0,0000	-3,8047
114	1,24111	COMB8	Combination	-576,655	-527,272	-39,187	0,0000	7,0090
114	0,50000	COMB8bis	Combination	-563,456	-414,883	0,707	0,0000	-6,1383
114	0,87056	COMB8bis	Combination	-564,197	-431,928	-16,339	0,0000	-3,2420
114	1,24111	COMB8bis	Combination	-564,939	-448,974	-33,385	0,0000	5,9707
115	0,00000	COMB1	Combination	-467,709	-41,061	31,086	0,0000	6,4897
115	0,41370	COMB1	Combination	-467,709	-61,746	10,401	0,0000	-2,0920
115	0,82741	COMB1	Combination	-467,709	-82,432	-10,284	0,0000	-2,1161
115	1,24111	COMB1	Combination	-467,709	-103,117	-30,970	0,0000	6,4174
115	0,00000	COMB2	Combination	-502,941	-69,079	31,086	0,0000	6,4897
115	0,41370	COMB2	Combination	-502,941	-89,764	10,401	0,0000	-2,0920
115	0,82741	COMB2	Combination	-502,941	-110,449	-10,284	0,0000	-2,1161
115	1,24111	COMB2	Combination	-502,941	-131,135	-30,970	0,0000	6,4174
115	0,00000	COMB4	Combination	-516,715	-209,937	31,086	0,0000	6,4898
115	0,41370	COMB4	Combination	-516,715	-230,623	10,401	0,0000	-2,0919
115	0,82741	COMB4	Combination	-516,715	-251,308	-10,284	0,0000	-2,1161
115	1,24111	COMB4	Combination	-516,715	-271,993	-30,970	0,0000	6,4174
115	0,00000	COMB5	Combination	-551,947	-237,955	31,086	0,0000	6,4898
115	0,41370	COMB5	Combination	-551,947	-258,640	10,401	0,0000	-2,0919
115	0,82741	COMB5	Combination	-551,947	-279,326	-10,284	0,0000	-2,1160
115	1,24111	COMB5	Combination	-551,947	-300,011	-30,969	0,0000	6,4174
115	0,00000	COMB6	Combination	-521,791	-64,426	31,086	0,0000	6,4897
115	0,41370	COMB6	Combination	-522,619	-85,112	10,401	0,0000	-2,0920
115	0,82741	COMB6	Combination	-523,446	-105,797	-10,284	0,0000	-2,1161
115	1,24111	COMB6	Combination	-524,274	-126,482	-30,970	0,0000	6,4174
115	0,00000	COMB8	Combination	-576,655	-252,237	33,573	0,0000	7,0090
115	0,41370	COMB8	Combination	-577,482	-274,577	11,233	0,0000	-2,2593
115	0,82741	COMB8	Combination	-578,310	-296,917	-11,107	0,0000	-2,2853
115	1,24111	COMB8	Combination	-579,137	-319,257	-33,447	0,0000	6,9308
115	0,00000	COMB8bis	Combination	-564,939	-214,368	28,599	0,0000	5,9707
115	0,41370	COMB8bis	Combination	-565,766	-233,399	9,569	0,0000	-1,9245

<p>GENERAL CONTRACTOR</p>  <p>Censorzio Collegamenti Integrati Veloci</p>	<p>ALTA SORVEGLIANZA</p>  <p>GRUPPO FERROVIE DELLO STATO ITALIANE</p>
	<p>a301-00-d-cv-ro-gn00-0x-013-e00</p> <p>Foglio 99 di 289</p>

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
115	0,82741	COMB8bis	Combination	-566,593	-252,429	-9,461	0,0000	-1,9468
115	1,24111	COMB8bis	Combination	-567,421	-271,459	-28,492	0,0000	5,9040
116	0,00000	COMB1	Combination	-467,709	-5,649	31,027	0,0000	6,4174
116	0,41370	COMB1	Combination	-467,709	-26,335	10,342	0,0000	-2,1399
116	0,82741	COMB1	Combination	-467,709	-47,020	-10,343	0,0000	-2,1397
116	1,24111	COMB1	Combination	-467,709	-67,705	-31,029	0,0000	6,4182
116	0,00000	COMB2	Combination	-502,941	-39,990	31,027	0,0000	6,4174
116	0,41370	COMB2	Combination	-502,941	-60,675	10,342	0,0000	-2,1399
116	0,82741	COMB2	Combination	-502,941	-81,361	-10,343	0,0000	-2,1397
116	1,24111	COMB2	Combination	-502,941	-102,046	-31,029	0,0000	6,4182
116	0,00000	COMB4	Combination	-516,715	-125,643	31,027	0,0000	6,4174
116	0,41370	COMB4	Combination	-516,715	-146,328	10,342	0,0000	-2,1399
116	0,82741	COMB4	Combination	-516,715	-167,014	-10,343	0,0000	-2,1397
116	1,24111	COMB4	Combination	-516,715	-187,699	-31,029	0,0000	6,4182
116	0,00000	COMB5	Combination	-551,947	-159,984	31,027	0,0000	6,4174
116	0,41370	COMB5	Combination	-551,947	-180,669	10,342	0,0000	-2,1399
116	0,82741	COMB5	Combination	-551,947	-201,354	-10,343	0,0000	-2,1397
116	1,24111	COMB5	Combination	-551,947	-222,040	-31,029	0,0000	6,4182
116	0,00000	COMB6	Combination	-524,274	-34,604	31,027	0,0000	6,4174
116	0,41370	COMB6	Combination	-525,101	-55,289	10,342	0,0000	-2,1399
116	0,82741	COMB6	Combination	-525,928	-75,974	-10,343	0,0000	-2,1397
116	1,24111	COMB6	Combination	-526,756	-96,660	-31,029	0,0000	6,4182
116	0,00000	COMB8	Combination	-579,137	-167,339	33,509	0,0000	6,9308
116	0,41370	COMB8	Combination	-579,964	-189,679	11,169	0,0000	-2,3111
116	0,82741	COMB8	Combination	-580,792	-212,019	-11,171	0,0000	-2,3108
116	1,24111	COMB8	Combination	-581,619	-234,359	-33,511	0,0000	6,9317
116	0,00000	COMB8bis	Combination	-567,421	-141,857	28,545	0,0000	5,9040
116	0,41370	COMB8bis	Combination	-568,248	-160,887	9,515	0,0000	-1,9687
116	0,82741	COMB8bis	Combination	-569,076	-179,918	-9,516	0,0000	-1,9685
116	1,24111	COMB8bis	Combination	-569,903	-198,948	-28,546	0,0000	5,9047
117	0,00000	COMB1	Combination	-467,709	27,533	31,028	0,0000	6,4182
117	0,41370	COMB1	Combination	-467,709	6,848	10,343	0,0000	-2,1394
117	0,82741	COMB1	Combination	-467,709	-13,837	-10,343	0,0000	-2,1394
117	1,24111	COMB1	Combination	-467,709	-34,523	-31,028	0,0000	6,4182
117	0,00000	COMB2	Combination	-502,941	-10,973	31,028	0,0000	6,4182
117	0,41370	COMB2	Combination	-502,941	-31,659	10,343	0,0000	-2,1394
117	0,82741	COMB2	Combination	-502,941	-52,344	-10,343	0,0000	-2,1394
117	1,24111	COMB2	Combination	-502,941	-73,029	-31,028	0,0000	6,4182
117	0,00000	COMB4	Combination	-516,715	-44,020	31,028	0,0000	6,4182
117	0,41370	COMB4	Combination	-516,715	-64,705	10,343	0,0000	-2,1394
117	0,82741	COMB4	Combination	-516,715	-85,390	-10,343	0,0000	-2,1394
117	1,24111	COMB4	Combination	-516,715	-106,075	-31,028	0,0000	6,4182
117	0,00000	COMB5	Combination	-551,947	-82,526	31,028	0,0000	6,4182
117	0,41370	COMB5	Combination	-551,947	-103,212	10,343	0,0000	-2,1394
117	0,82741	COMB5	Combination	-551,947	-123,897	-10,343	0,0000	-2,1394
117	1,24111	COMB5	Combination	-551,947	-144,582	-31,028	0,0000	6,4182
117	0,00000	COMB6	Combination	-526,756	-5,078	31,028	0,0000	6,4182
117	0,41370	COMB6	Combination	-527,583	-25,763	10,343	0,0000	-2,1394
117	0,82741	COMB6	Combination	-528,411	-46,449	-10,343	0,0000	-2,1394
117	1,24111	COMB6	Combination	-529,238	-67,134	-31,028	0,0000	6,4182
117	0,00000	COMB8	Combination	-581,619	-83,236	33,510	0,0000	6,9317
117	0,41370	COMB8	Combination	-582,447	-105,576	11,170	0,0000	-2,3105
117	0,82741	COMB8	Combination	-583,274	-127,916	-11,170	0,0000	-2,3105
117	1,24111	COMB8	Combination	-584,101	-150,256	-33,510	0,0000	6,9316
117	0,00000	COMB8bis	Combination	-569,903	-70,026	28,546	0,0000	5,9047

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
117	0,41370	COMB8bis	Combination	-570,730	-89,057	9,515	0,0000	-1,9682
117	0,82741	COMB8bis	Combination	-571,558	-108,087	-9,515	0,0000	-1,9682
117	1,24111	COMB8bis	Combination	-572,385	-127,117	-28,546	0,0000	5,9047
118	0,00000	COMB1	Combination	-467,709	58,506	31,028	0,0000	6,4182
118	0,41370	COMB1	Combination	-467,709	37,821	10,343	0,0000	-2,1394
118	0,82741	COMB1	Combination	-467,709	17,136	-10,343	0,0000	-2,1394
118	1,24111	COMB1	Combination	-467,709	-3,549	-31,028	0,0000	6,4182
118	0,00000	COMB2	Combination	-502,941	17,956	31,028	0,0000	6,4182
118	0,41370	COMB2	Combination	-502,941	-2,729	10,343	0,0000	-2,1394
118	0,82741	COMB2	Combination	-502,941	-23,414	-10,343	0,0000	-2,1394
118	1,24111	COMB2	Combination	-502,941	-44,100	-31,028	0,0000	6,4182
118	0,00000	COMB4	Combination	-516,715	35,102	31,028	0,0000	6,4182
118	0,41370	COMB4	Combination	-516,715	14,417	10,343	0,0000	-2,1394
118	0,82741	COMB4	Combination	-516,715	-6,268	-10,343	0,0000	-2,1394
118	1,24111	COMB4	Combination	-516,715	-26,953	-31,028	0,0000	6,4182
118	0,00000	COMB5	Combination	-551,947	-5,448	31,028	0,0000	6,4182
118	0,41370	COMB5	Combination	-551,947	-26,133	10,343	0,0000	-2,1394
118	0,82741	COMB5	Combination	-551,947	-46,818	-10,343	0,0000	-2,1394
118	1,24111	COMB5	Combination	-551,947	-67,504	-31,028	0,0000	6,4182
118	0,00000	COMB6	Combination	-529,238	24,133	31,028	0,0000	6,4182
118	0,41370	COMB6	Combination	-530,065	3,448	10,343	0,0000	-2,1394
118	0,82741	COMB6	Combination	-530,893	-17,238	-10,343	0,0000	-2,1394
118	1,24111	COMB6	Combination	-531,720	-37,923	-31,028	0,0000	6,4182
118	0,00000	COMB8	Combination	-584,101	0,223	33,510	0,0000	6,9316
118	0,41370	COMB8	Combination	-584,929	-22,117	11,170	0,0000	-2,3105
118	0,82741	COMB8	Combination	-585,756	-44,457	-11,170	0,0000	-2,3105
118	1,24111	COMB8	Combination	-586,584	-66,797	-33,510	0,0000	6,9316
118	0,00000	COMB8bis	Combination	-572,385	1,235	28,546	0,0000	5,9047
118	0,41370	COMB8bis	Combination	-573,213	-17,796	9,515	0,0000	-1,9682
118	0,82741	COMB8bis	Combination	-574,040	-36,826	-9,515	0,0000	-1,9682
118	1,24111	COMB8bis	Combination	-574,867	-55,856	-28,546	0,0000	5,9047
119	0,00000	COMB1	Combination	-467,709	87,292	31,028	0,0000	6,4182
119	0,41370	COMB1	Combination	-467,709	66,607	10,343	0,0000	-2,1394
119	0,82741	COMB1	Combination	-467,709	45,922	-10,343	0,0000	-2,1394
119	1,24111	COMB1	Combination	-467,709	25,236	-31,028	0,0000	6,4182
119	0,00000	COMB2	Combination	-502,941	46,798	31,028	0,0000	6,4182
119	0,41370	COMB2	Combination	-502,941	26,112	10,343	0,0000	-2,1394
119	0,82741	COMB2	Combination	-502,941	5,427	-10,343	0,0000	-2,1394
119	1,24111	COMB2	Combination	-502,941	-15,258	-31,028	0,0000	6,4182
119	0,00000	COMB4	Combination	-516,715	111,918	31,028	0,0000	6,4182
119	0,41370	COMB4	Combination	-516,715	91,233	10,343	0,0000	-2,1394
119	0,82741	COMB4	Combination	-516,715	70,548	-10,343	0,0000	-2,1394
119	1,24111	COMB4	Combination	-516,715	49,863	-31,028	0,0000	6,4182
119	0,00000	COMB5	Combination	-551,947	71,424	31,028	0,0000	6,4182
119	0,41370	COMB5	Combination	-551,947	50,739	10,343	0,0000	-2,1394
119	0,82741	COMB5	Combination	-551,947	30,053	-10,343	0,0000	-2,1394
119	1,24111	COMB5	Combination	-551,947	9,368	-31,028	0,0000	6,4182
119	0,00000	COMB6	Combination	-531,720	53,024	31,028	0,0000	6,4182
119	0,41370	COMB6	Combination	-532,548	32,339	10,343	0,0000	-2,1394
119	0,82741	COMB6	Combination	-533,375	11,653	-10,343	0,0000	-2,1394
119	1,24111	COMB6	Combination	-534,202	-9,032	-31,028	0,0000	6,4182
119	0,00000	COMB8	Combination	-586,584	83,229	33,510	0,0000	6,9316
119	0,41370	COMB8	Combination	-587,411	60,889	11,170	0,0000	-2,3105
119	0,82741	COMB8	Combination	-588,238	38,549	-11,170	0,0000	-2,3105
119	1,24111	COMB8	Combination	-589,066	16,208	-33,510	0,0000	6,9316

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
119	0,00000	COMB8bis	Combination	-574,867	72,072	28,546	0,0000	5,9047
119	0,41370	COMB8bis	Combination	-575,695	53,041	9,515	0,0000	-1,9682
119	0,82741	COMB8bis	Combination	-576,522	34,011	-9,515	0,0000	-1,9682
119	1,24111	COMB8bis	Combination	-577,350	14,980	-28,546	0,0000	5,9047
120	0,00000	COMB1	Combination	-467,709	113,902	31,028	0,0000	6,4182
120	0,41370	COMB1	Combination	-467,709	93,217	10,343	0,0000	-2,1394
120	0,82741	COMB1	Combination	-467,709	72,532	-10,343	0,0000	-2,1394
120	1,24111	COMB1	Combination	-467,709	51,846	-31,028	0,0000	6,4182
120	0,00000	COMB2	Combination	-502,941	75,555	31,028	0,0000	6,4182
120	0,41370	COMB2	Combination	-502,941	54,870	10,343	0,0000	-2,1394
120	0,82741	COMB2	Combination	-502,941	34,185	-10,343	0,0000	-2,1394
120	1,24111	COMB2	Combination	-502,941	13,500	-31,028	0,0000	6,4182
120	0,00000	COMB4	Combination	-516,715	186,622	31,028	0,0000	6,4182
120	0,41370	COMB4	Combination	-516,715	165,936	10,343	0,0000	-2,1394
120	0,82741	COMB4	Combination	-516,715	145,251	-10,343	0,0000	-2,1394
120	1,24111	COMB4	Combination	-516,715	124,566	-31,028	0,0000	6,4182
120	0,00000	COMB5	Combination	-551,947	148,275	31,028	0,0000	6,4182
120	0,41370	COMB5	Combination	-551,947	127,590	10,343	0,0000	-2,1394
120	0,82741	COMB5	Combination	-551,947	106,904	-10,343	0,0000	-2,1394
120	1,24111	COMB5	Combination	-551,947	86,219	-31,028	0,0000	6,4182
120	0,00000	COMB6	Combination	-534,202	81,592	31,028	0,0000	6,4182
120	0,41370	COMB6	Combination	-535,030	60,906	10,343	0,0000	-2,1394
120	0,82741	COMB6	Combination	-535,857	40,221	-10,343	0,0000	-2,1394
120	1,24111	COMB6	Combination	-536,685	19,536	-31,028	0,0000	6,4182
120	0,00000	COMB8	Combination	-589,066	165,984	33,510	0,0000	6,9316
120	0,41370	COMB8	Combination	-589,893	143,644	11,170	0,0000	-2,3105
120	0,82741	COMB8	Combination	-590,721	121,303	-11,170	0,0000	-2,3105
120	1,24111	COMB8	Combination	-591,548	98,963	-33,510	0,0000	6,9317
120	0,00000	COMB8bis	Combination	-577,350	142,638	28,546	0,0000	5,9047
120	0,41370	COMB8bis	Combination	-578,177	123,608	9,515	0,0000	-1,9682
120	0,82741	COMB8bis	Combination	-579,005	104,578	-9,515	0,0000	-1,9682
120	1,24111	COMB8bis	Combination	-579,832	85,547	-28,546	0,0000	5,9047
121	0,00000	COMB1	Combination	-467,709	138,328	31,029	0,0000	6,4182
121	0,41370	COMB1	Combination	-467,709	117,643	10,343	0,0000	-2,1397
121	0,82741	COMB1	Combination	-467,709	96,958	-10,342	0,0000	-2,1399
121	1,24111	COMB1	Combination	-467,709	76,273	-31,027	0,0000	6,4174
121	0,00000	COMB2	Combination	-502,941	104,227	31,029	0,0000	6,4182
121	0,41370	COMB2	Combination	-502,941	83,542	10,343	0,0000	-2,1397
121	0,82741	COMB2	Combination	-502,941	62,857	-10,342	0,0000	-2,1399
121	1,24111	COMB2	Combination	-502,941	42,171	-31,027	0,0000	6,4174
121	0,00000	COMB4	Combination	-516,715	259,378	31,029	0,0000	6,4182
121	0,41370	COMB4	Combination	-516,715	238,692	10,343	0,0000	-2,1397
121	0,82741	COMB4	Combination	-516,715	218,007	-10,342	0,0000	-2,1399
121	1,24111	COMB4	Combination	-516,715	197,322	-31,027	0,0000	6,4174
121	0,00000	COMB5	Combination	-551,947	225,276	31,029	0,0000	6,4182
121	0,41370	COMB5	Combination	-551,947	204,591	10,343	0,0000	-2,1397
121	0,82741	COMB5	Combination	-551,947	183,906	-10,342	0,0000	-2,1399
121	1,24111	COMB5	Combination	-551,947	163,221	-31,027	0,0000	6,4174
121	0,00000	COMB6	Combination	-536,685	109,825	31,029	0,0000	6,4182
121	0,41370	COMB6	Combination	-537,512	89,140	10,343	0,0000	-2,1397
121	0,82741	COMB6	Combination	-538,339	68,454	-10,342	0,0000	-2,1399
121	1,24111	COMB6	Combination	-539,167	47,769	-31,027	0,0000	6,4174
121	0,00000	COMB8	Combination	-591,548	248,673	33,511	0,0000	6,9317
121	0,41370	COMB8	Combination	-592,375	226,333	11,171	0,0000	-2,3108
121	0,82741	COMB8	Combination	-593,203	203,993	-11,169	0,0000	-2,3111

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
121	1,24111	COMB8	Combination	-594,030	181,653	-33,509	0,0000	6,9308
121	0,00000	COMB8bis	Combination	-579,832	213,075	28,546	0,0000	5,9047
121	0,41370	COMB8bis	Combination	-580,659	194,044	9,516	0,0000	-1,9685
121	0,82741	COMB8bis	Combination	-581,487	175,014	-9,515	0,0000	-1,9687
121	1,24111	COMB8bis	Combination	-582,314	155,983	-28,545	0,0000	5,9040
122	0,00000	COMB1	Combination	-467,709	160,534	30,970	0,0000	6,4174
122	0,41370	COMB1	Combination	-467,709	139,849	10,285	0,0000	-2,1163
122	0,82741	COMB1	Combination	-467,709	119,164	-10,400	0,0000	-2,0924
122	1,24111	COMB1	Combination	-467,709	98,479	-31,086	0,0000	6,4891
122	0,00000	COMB2	Combination	-502,941	132,797	30,970	0,0000	6,4174
122	0,41370	COMB2	Combination	-502,941	112,111	10,285	0,0000	-2,1163
122	0,82741	COMB2	Combination	-502,941	91,426	-10,400	0,0000	-2,0924
122	1,24111	COMB2	Combination	-502,941	70,741	-31,086	0,0000	6,4891
122	0,00000	COMB4	Combination	-516,715	330,298	30,970	0,0000	6,4174
122	0,41370	COMB4	Combination	-516,715	309,612	10,285	0,0000	-2,1163
122	0,82741	COMB4	Combination	-516,715	288,927	-10,400	0,0000	-2,0924
122	1,24111	COMB4	Combination	-516,715	268,242	-31,086	0,0000	6,4890
122	0,00000	COMB5	Combination	-551,947	302,560	30,970	0,0000	6,4174
122	0,41370	COMB5	Combination	-551,947	281,875	10,285	0,0000	-2,1163
122	0,82741	COMB5	Combination	-551,947	261,189	-10,400	0,0000	-2,0924
122	1,24111	COMB5	Combination	-551,947	240,504	-31,086	0,0000	6,4891
122	0,00000	COMB6	Combination	-539,167	137,696	30,970	0,0000	6,4174
122	0,41370	COMB6	Combination	-539,994	117,011	10,285	0,0000	-2,1163
122	0,82741	COMB6	Combination	-540,822	96,326	-10,400	0,0000	-2,0924
122	1,24111	COMB6	Combination	-541,649	75,640	-31,086	0,0000	6,4891
122	0,00000	COMB8	Combination	-594,030	331,438	33,448	0,0000	6,9308
122	0,41370	COMB8	Combination	-594,858	309,098	11,108	0,0000	-2,2856
122	0,82741	COMB8	Combination	-595,685	286,758	-11,232	0,0000	-2,2598
122	1,24111	COMB8	Combination	-596,513	264,418	-33,572	0,0000	7,0082
122	0,00000	COMB8bis	Combination	-582,314	283,481	28,493	0,0000	5,9040
122	0,41370	COMB8bis	Combination	-583,142	264,450	9,462	0,0000	-1,9470
122	0,82741	COMB8bis	Combination	-583,969	245,420	-9,568	0,0000	-1,9251
122	1,24111	COMB8bis	Combination	-584,796	226,389	-28,599	0,0000	5,9699
123	0,00000	COMB1	Combination	-467,709	246,020	36,232	0,0000	6,4891
123	0,37056	COMB1	Combination	-467,709	227,492	17,704	0,0000	-3,5040
123	0,74111	COMB1	Combination	-467,709	208,964	-0,824	0,0000	-6,6314
123	0,00000	COMB2	Combination	-502,941	233,606	36,235	0,0000	6,4891
123	0,37056	COMB2	Combination	-502,941	215,078	17,707	0,0000	-3,5051
123	0,74111	COMB2	Combination	-502,941	196,550	-0,821	0,0000	-6,6337
123	0,00000	COMB4	Combination	-516,715	504,354	36,225	0,0000	6,4890
123	0,37056	COMB4	Combination	-516,715	485,826	17,697	0,0000	-3,5015
123	0,74111	COMB4	Combination	-516,715	467,298	-0,831	0,0000	-6,6265
123	0,00000	COMB5	Combination	-551,947	491,940	36,228	0,0000	6,4891
123	0,37056	COMB5	Combination	-551,947	473,412	17,700	0,0000	-3,5027
123	0,74111	COMB5	Combination	-551,947	454,884	-0,828	0,0000	-6,6288
123	0,00000	COMB6	Combination	-541,649	236,757	36,233	0,0000	6,4891
123	0,37056	COMB6	Combination	-542,390	218,230	17,705	0,0000	-3,5043
123	0,74111	COMB6	Combination	-543,131	199,702	-0,823	0,0000	-6,6321
123	0,00000	COMB8	Combination	-596,513	534,286	39,126	0,0000	7,0082
123	0,37056	COMB8	Combination	-597,254	514,276	19,115	0,0000	-3,7826
123	0,74111	COMB8	Combination	-597,995	494,266	-0,895	0,0000	-7,1586
123	0,00000	COMB8bis	Combination	-584,796	455,897	33,326	0,0000	5,9699
123	0,37056	COMB8bis	Combination	-585,538	438,851	16,280	0,0000	-3,2212
123	0,74111	COMB8bis	Combination	-586,279	421,806	-0,765	0,0000	-6,0958
124	0,50000	COMB1	Combination	-186,143	133,938	0,321	0,0122	-2,6586

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
124	0,87056	COMB1	Combination	-186,143	126,527	-7,090	0,0122	-1,4045
124	1,24111	COMB1	Combination	-186,144	119,116	-14,501	0,0122	2,5958
124	0,50000	COMB2	Combination	-158,481	115,185	0,321	0,0077	-2,6590
124	0,87056	COMB2	Combination	-158,482	107,774	-7,090	0,0077	-1,4048
124	1,24111	COMB2	Combination	-158,482	100,362	-14,502	0,0077	2,5958
124	0,50000	COMB4	Combination	-380,008	504,976	0,321	0,0334	-2,6592
124	0,87056	COMB4	Combination	-380,009	473,479	-7,091	0,0334	-1,4048
124	1,24111	COMB4	Combination	-380,009	441,981	-14,502	0,0334	2,5958
124	0,50000	COMB5	Combination	-352,347	486,223	0,320	0,0289	-2,6596
124	0,87056	COMB5	Combination	-352,347	454,725	-7,091	0,0289	-1,4051
124	1,24111	COMB5	Combination	-352,347	423,228	-14,502	0,0289	2,5958
124	0,50000	COMB6	Combination	-162,854	115,698	0,321	0,0079	-2,6589
124	0,87056	COMB6	Combination	-163,150	108,287	-7,090	0,0079	-1,4047
124	1,24111	COMB6	Combination	-163,447	100,876	-14,501	0,0079	2,5958
124	0,50000	COMB8	Combination	-377,434	525,547	0,346	0,0313	-2,8723
124	0,87056	COMB8	Combination	-377,731	491,530	-7,658	0,0313	-1,5174
124	1,24111	COMB8	Combination	-378,028	457,513	-15,662	0,0313	2,8034
124	0,50000	COMB8bis	Combination	-336,004	447,926	0,295	0,0268	-2,4466
124	0,87056	COMB8bis	Combination	-336,300	418,949	-6,524	0,0268	-1,2925
124	1,24111	COMB8bis	Combination	-336,597	389,971	-13,342	0,0268	2,3881
125	0,00000	COMB1	Combination	-186,142	119,116	12,434	0,0060	2,5958
125	0,41370	COMB1	Combination	-186,143	110,842	4,160	0,0060	-0,8369
125	0,82741	COMB1	Combination	-186,143	102,568	-4,114	0,0060	-0,8465
125	1,24111	COMB1	Combination	-186,144	94,294	-12,388	0,0060	2,5670
125	0,00000	COMB2	Combination	-158,481	100,362	12,434	0,0025	2,5958
125	0,41370	COMB2	Combination	-158,481	92,088	4,160	0,0025	-0,8369
125	0,82741	COMB2	Combination	-158,482	83,814	-4,114	0,0025	-0,8465
125	1,24111	COMB2	Combination	-158,482	75,540	-12,388	0,0025	2,5670
125	0,00000	COMB4	Combination	-380,008	441,981	12,434	0,0104	2,5958
125	0,41370	COMB4	Combination	-380,008	406,817	4,160	0,0104	-0,8369
125	0,82741	COMB4	Combination	-380,008	371,652	-4,114	0,0104	-0,8465
125	1,24111	COMB4	Combination	-380,009	336,487	-12,388	0,0104	2,5670
125	0,00000	COMB5	Combination	-352,346	423,228	12,434	0,0068	2,5958
125	0,41370	COMB5	Combination	-352,346	388,063	4,160	0,0068	-0,8369
125	0,82741	COMB5	Combination	-352,347	352,898	-4,114	0,0068	-0,8465
125	1,24111	COMB5	Combination	-352,347	317,733	-12,388	0,0068	2,5670
125	0,00000	COMB6	Combination	-163,446	100,876	12,434	0,0026	2,5958
125	0,41370	COMB6	Combination	-163,777	92,602	4,160	0,0026	-0,8369
125	0,82741	COMB6	Combination	-164,109	84,328	-4,114	0,0026	-0,8465
125	1,24111	COMB6	Combination	-164,440	76,054	-12,388	0,0026	2,5670
125	0,00000	COMB8	Combination	-378,026	457,513	13,429	0,0074	2,8034
125	0,41370	COMB8	Combination	-378,358	419,534	4,493	0,0074	-0,9038
125	0,82741	COMB8	Combination	-378,689	381,556	-4,443	0,0074	-0,9142
125	1,24111	COMB8	Combination	-379,021	343,578	-13,379	0,0074	2,7723
125	0,00000	COMB8bis	Combination	-336,596	389,971	11,440	0,0065	2,3881
125	0,41370	COMB8bis	Combination	-336,927	357,619	3,827	0,0065	-0,7699
125	0,82741	COMB8bis	Combination	-337,259	325,268	-3,785	0,0065	-0,7787
125	1,24111	COMB8bis	Combination	-337,590	292,916	-11,397	0,0065	2,3616
126	0,00000	COMB1	Combination	-186,142	94,294	12,411	0,0011	2,5670
126	0,41370	COMB1	Combination	-186,143	86,019	4,137	0,0011	-0,8560
126	0,82741	COMB1	Combination	-186,143	77,745	-4,137	0,0011	-0,8559
126	1,24111	COMB1	Combination	-186,144	69,471	-12,411	0,0011	2,5673
126	0,00000	COMB2	Combination	-158,481	75,540	12,411	-0,0015	2,5670
126	0,41370	COMB2	Combination	-158,481	67,266	4,137	-0,0015	-0,8560
126	0,82741	COMB2	Combination	-158,482	58,992	-4,137	-0,0015	-0,8559

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
126	1,24111	COMB2	Combination	-158,482	50,718	-12,411	-0,0015	2,5673
126	0,00000	COMB4	Combination	-380,008	336,487	12,411	-0,0072	2,5670
126	0,41370	COMB4	Combination	-380,008	301,322	4,137	-0,0072	-0,8560
126	0,82741	COMB4	Combination	-380,008	266,157	-4,137	-0,0072	-0,8559
126	1,24111	COMB4	Combination	-380,009	230,992	-12,411	-0,0072	2,5673
126	0,00000	COMB5	Combination	-352,346	317,733	12,411	-0,0097	2,5670
126	0,41370	COMB5	Combination	-352,346	282,568	4,137	-0,0097	-0,8560
126	0,82741	COMB5	Combination	-352,347	247,403	-4,137	-0,0097	-0,8559
126	1,24111	COMB5	Combination	-352,347	212,238	-12,411	-0,0097	2,5673
126	0,00000	COMB6	Combination	-164,439	76,054	12,411	-0,0013	2,5670
126	0,41370	COMB6	Combination	-164,770	67,780	4,137	-0,0013	-0,8560
126	0,82741	COMB6	Combination	-165,101	59,506	-4,137	-0,0013	-0,8559
126	1,24111	COMB6	Combination	-165,433	51,232	-12,411	-0,0013	2,5673
126	0,00000	COMB8	Combination	-379,019	343,578	13,404	-0,0104	2,7723
126	0,41370	COMB8	Combination	-379,351	305,600	4,468	-0,0104	-0,9244
126	0,82741	COMB8	Combination	-379,682	267,622	-4,468	-0,0104	-0,9243
126	1,24111	COMB8	Combination	-380,013	229,644	-13,404	-0,0104	2,7727
126	0,00000	COMB8bis	Combination	-337,589	292,916	11,418	-0,0087	2,3616
126	0,41370	COMB8bis	Combination	-337,920	260,564	3,806	-0,0087	-0,7875
126	0,82741	COMB8bis	Combination	-338,252	228,212	-3,806	-0,0087	-0,7874
126	1,24111	COMB8bis	Combination	-338,583	195,861	-11,418	-0,0087	2,3619
127	0,00000	COMB1	Combination	-186,142	69,471	12,411	-0,0025	2,5673
127	0,41370	COMB1	Combination	-186,143	61,197	4,137	-0,0025	-0,8558
127	0,82741	COMB1	Combination	-186,143	52,923	-4,137	-0,0025	-0,8558
127	1,24111	COMB1	Combination	-186,144	44,649	-12,411	-0,0025	2,5673
127	0,00000	COMB2	Combination	-158,481	50,718	12,411	-0,0041	2,5673
127	0,41370	COMB2	Combination	-158,481	42,444	4,137	-0,0041	-0,8558
127	0,82741	COMB2	Combination	-158,482	34,170	-4,137	-0,0041	-0,8558
127	1,24111	COMB2	Combination	-158,482	25,895	-12,411	-0,0041	2,5673
127	0,00000	COMB4	Combination	-380,008	230,992	12,411	-0,0192	2,5673
127	0,41370	COMB4	Combination	-380,008	195,827	4,137	-0,0192	-0,8558
127	0,82741	COMB4	Combination	-380,008	160,662	-4,137	-0,0192	-0,8558
127	1,24111	COMB4	Combination	-380,009	125,497	-12,411	-0,0192	2,5673
127	0,00000	COMB5	Combination	-352,346	212,238	12,411	-0,0208	2,5673
127	0,41370	COMB5	Combination	-352,346	177,074	4,137	-0,0208	-0,8558
127	0,82741	COMB5	Combination	-352,347	141,909	-4,137	-0,0208	-0,8558
127	1,24111	COMB5	Combination	-352,347	106,744	-12,411	-0,0208	2,5673
127	0,00000	COMB6	Combination	-165,432	51,232	12,411	-0,0040	2,5673
127	0,41370	COMB6	Combination	-165,763	42,958	4,137	-0,0040	-0,8558
127	0,82741	COMB6	Combination	-166,094	34,683	-4,137	-0,0040	-0,8558
127	1,24111	COMB6	Combination	-166,426	26,409	-12,411	-0,0040	2,5673
127	0,00000	COMB8	Combination	-380,012	229,644	13,404	-0,0224	2,7727
127	0,41370	COMB8	Combination	-380,344	191,666	4,468	-0,0224	-0,9242
127	0,82741	COMB8	Combination	-380,675	153,688	-4,468	-0,0224	-0,9242
127	1,24111	COMB8	Combination	-381,006	115,710	-13,404	-0,0224	2,7727
127	0,00000	COMB8bis	Combination	-338,582	195,861	11,418	-0,0189	2,3619
127	0,41370	COMB8bis	Combination	-338,913	163,509	3,806	-0,0189	-0,7873
127	0,82741	COMB8bis	Combination	-339,244	131,157	-3,806	-0,0189	-0,7873
127	1,24111	COMB8bis	Combination	-339,576	98,805	-11,418	-0,0189	2,3619
128	0,00000	COMB1	Combination	-186,142	44,649	12,411	-0,0049	2,5673
128	0,41370	COMB1	Combination	-186,143	36,375	4,137	-0,0049	-0,8558
128	0,82741	COMB1	Combination	-186,143	28,101	-4,137	-0,0049	-0,8558
128	1,24111	COMB1	Combination	-186,144	19,827	-12,411	-0,0049	2,5673
128	0,00000	COMB2	Combination	-158,481	25,895	12,411	-0,0055	2,5673
128	0,41370	COMB2	Combination	-158,481	17,621	4,137	-0,0055	-0,8558

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
128	0,82741	COMB2	Combination	-158,482	9,347	-4,137	-0,0055	-0,8558
128	1,24111	COMB2	Combination	-158,482	1,073	-12,411	-0,0055	2,5673
128	0,00000	COMB4	Combination	-380,008	125,497	12,411	-0,0257	2,5673
128	0,41370	COMB4	Combination	-380,008	90,332	4,137	-0,0257	-0,8558
128	0,82741	COMB4	Combination	-380,008	55,167	-4,137	-0,0257	-0,8558
128	1,24111	COMB4	Combination	-380,009	20,002	-12,411	-0,0257	2,5673
128	0,00000	COMB5	Combination	-352,346	106,744	12,411	-0,0263	2,5673
128	0,41370	COMB5	Combination	-352,346	71,579	4,137	-0,0263	-0,8558
128	0,82741	COMB5	Combination	-352,347	36,414	-4,137	-0,0263	-0,8558
128	1,24111	COMB5	Combination	-352,347	1,249	-12,411	-0,0263	2,5673
128	0,00000	COMB6	Combination	-166,425	26,409	12,411	-0,0054	2,5673
128	0,41370	COMB6	Combination	-166,756	18,135	4,137	-0,0054	-0,8558
128	0,82741	COMB6	Combination	-167,087	9,861	-4,137	-0,0054	-0,8558
128	1,24111	COMB6	Combination	-167,419	1,587	-12,411	-0,0054	2,5673
128	0,00000	COMB8	Combination	-381,005	115,710	13,404	-0,0284	2,7727
128	0,41370	COMB8	Combination	-381,336	77,731	4,468	-0,0284	-0,9242
128	0,82741	COMB8	Combination	-381,668	39,753	-4,468	-0,0284	-0,9242
128	1,24111	COMB8	Combination	-381,999	1,775	-13,404	-0,0284	2,7727
128	0,00000	COMB8bis	Combination	-339,575	98,805	11,418	-0,0240	2,3619
128	0,41370	COMB8bis	Combination	-339,906	66,454	3,806	-0,0240	-0,7873
128	0,82741	COMB8bis	Combination	-340,237	34,102	-3,806	-0,0240	-0,7873
128	1,24111	COMB8bis	Combination	-340,569	1,750	-11,418	-0,0240	2,3619
129	0,00000	COMB1	Combination	-186,142	19,827	12,411	-0,0059	2,5673
129	0,41370	COMB1	Combination	-186,143	11,553	4,137	-0,0059	-0,8558
129	0,82741	COMB1	Combination	-186,143	3,279	-4,137	-0,0059	-0,8558
129	1,24111	COMB1	Combination	-186,144	-4,996	-12,411	-0,0059	2,5673
129	0,00000	COMB2	Combination	-158,481	1,073	12,411	-0,0055	2,5673
129	0,41370	COMB2	Combination	-158,481	-7,201	4,137	-0,0055	-0,8558
129	0,82741	COMB2	Combination	-158,482	-15,475	-4,137	-0,0055	-0,8558
129	1,24111	COMB2	Combination	-158,482	-23,749	-12,411	-0,0055	2,5673
129	0,00000	COMB4	Combination	-380,008	20,002	12,411	-0,0267	2,5673
129	0,41370	COMB4	Combination	-380,008	-15,162	4,137	-0,0267	-0,8558
129	0,82741	COMB4	Combination	-380,008	-50,327	-4,137	-0,0267	-0,8558
129	1,24111	COMB4	Combination	-380,009	-85,492	-12,411	-0,0267	2,5673
129	0,00000	COMB5	Combination	-352,346	1,249	12,411	-0,0264	2,5673
129	0,41370	COMB5	Combination	-352,346	-33,916	4,137	-0,0264	-0,8558
129	0,82741	COMB5	Combination	-352,347	-69,081	-4,137	-0,0264	-0,8558
129	1,24111	COMB5	Combination	-352,347	-104,246	-12,411	-0,0264	2,5673
129	0,00000	COMB6	Combination	-167,417	1,587	12,411	-0,0055	2,5673
129	0,41370	COMB6	Combination	-167,749	-6,687	4,137	-0,0055	-0,8558
129	0,82741	COMB6	Combination	-168,080	-14,961	-4,137	-0,0055	-0,8558
129	1,24111	COMB6	Combination	-168,412	-23,235	-12,411	-0,0055	2,5673
129	0,00000	COMB8	Combination	-381,998	1,775	13,404	-0,0285	2,7727
129	0,41370	COMB8	Combination	-382,329	-36,203	4,468	-0,0285	-0,9242
129	0,82741	COMB8	Combination	-382,661	-74,181	-4,468	-0,0285	-0,9242
129	1,24111	COMB8	Combination	-382,992	-112,159	-13,404	-0,0285	2,7727
129	0,00000	COMB8bis	Combination	-340,568	1,750	11,418	-0,0241	2,3619
129	0,41370	COMB8bis	Combination	-340,899	-30,601	3,806	-0,0241	-0,7873
129	0,82741	COMB8bis	Combination	-341,230	-62,953	-3,806	-0,0241	-0,7873
129	1,24111	COMB8bis	Combination	-341,562	-95,305	-11,418	-0,0241	2,3619
130	0,00000	COMB1	Combination	-186,142	-4,996	12,411	-0,0056	2,5673
130	0,41370	COMB1	Combination	-186,143	-13,270	4,137	-0,0056	-0,8558
130	0,82741	COMB1	Combination	-186,143	-21,544	-4,137	-0,0056	-0,8558
130	1,24111	COMB1	Combination	-186,144	-29,818	-12,411	-0,0056	2,5673
130	0,00000	COMB2	Combination	-158,481	-23,749	12,411	-0,0043	2,5673

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
130	0,41370	COMB2	Combination	-158,481	-32,023	4,137	-0,0043	-0,8558
130	0,82741	COMB2	Combination	-158,482	-40,297	-4,137	-0,0043	-0,8558
130	1,24111	COMB2	Combination	-158,482	-48,571	-12,411	-0,0043	2,5673
130	0,00000	COMB4	Combination	-380,008	-85,492	12,411	-0,0223	2,5673
130	0,41370	COMB4	Combination	-380,008	-120,657	4,137	-0,0223	-0,8558
130	0,82741	COMB4	Combination	-380,008	-155,822	-4,137	-0,0223	-0,8558
130	1,24111	COMB4	Combination	-380,009	-190,987	-12,411	-0,0223	2,5673
130	0,00000	COMB5	Combination	-352,346	-104,246	12,411	-0,0209	2,5673
130	0,41370	COMB5	Combination	-352,346	-139,411	4,137	-0,0209	-0,8558
130	0,82741	COMB5	Combination	-352,347	-174,576	-4,137	-0,0209	-0,8558
130	1,24111	COMB5	Combination	-352,347	-209,741	-12,411	-0,0209	2,5673
130	0,00000	COMB6	Combination	-168,410	-23,235	12,411	-0,0043	2,5673
130	0,41370	COMB6	Combination	-168,742	-31,509	4,137	-0,0043	-0,8558
130	0,82741	COMB6	Combination	-169,073	-39,783	-4,137	-0,0043	-0,8558
130	1,24111	COMB6	Combination	-169,404	-48,058	-12,411	-0,0043	2,5673
130	0,00000	COMB8	Combination	-382,991	-112,159	13,404	-0,0227	2,7727
130	0,41370	COMB8	Combination	-383,322	-150,137	4,468	-0,0227	-0,9242
130	0,82741	COMB8	Combination	-383,654	-188,115	-4,468	-0,0227	-0,9242
130	1,24111	COMB8	Combination	-383,985	-226,093	-13,404	-0,0227	2,7727
130	0,00000	COMB8bis	Combination	-341,560	-95,305	11,418	-0,0192	2,3619
130	0,41370	COMB8bis	Combination	-341,892	-127,657	3,806	-0,0192	-0,7873
130	0,82741	COMB8bis	Combination	-342,223	-160,008	-3,806	-0,0192	-0,7873
130	1,24111	COMB8bis	Combination	-342,554	-192,360	-11,418	-0,0192	2,3619
131	0,00000	COMB1	Combination	-186,142	-29,818	12,411	-0,0041	2,5673
131	0,41370	COMB1	Combination	-186,143	-38,092	4,137	-0,0041	-0,8559
131	0,82741	COMB1	Combination	-186,143	-46,366	-4,137	-0,0041	-0,8560
131	1,24111	COMB1	Combination	-186,144	-54,640	-12,411	-0,0041	2,5670
131	0,00000	COMB2	Combination	-158,481	-48,571	12,411	-0,0018	2,5673
131	0,41370	COMB2	Combination	-158,481	-56,845	4,137	-0,0018	-0,8559
131	0,82741	COMB2	Combination	-158,482	-65,120	-4,137	-0,0018	-0,8560
131	1,24111	COMB2	Combination	-158,482	-73,394	-12,411	-0,0018	2,5670
131	0,00000	COMB4	Combination	-380,008	-190,987	12,411	-0,0124	2,5673
131	0,41370	COMB4	Combination	-380,008	-226,152	4,137	-0,0124	-0,8559
131	0,82741	COMB4	Combination	-380,008	-261,317	-4,137	-0,0124	-0,8560
131	1,24111	COMB4	Combination	-380,009	-296,482	-12,411	-0,0124	2,5670
131	0,00000	COMB5	Combination	-352,346	-209,741	12,411	-0,0100	2,5673
131	0,41370	COMB5	Combination	-352,346	-244,905	4,137	-0,0100	-0,8559
131	0,82741	COMB5	Combination	-352,347	-280,070	-4,137	-0,0100	-0,8560
131	1,24111	COMB5	Combination	-352,347	-315,235	-12,411	-0,0100	2,5670
131	0,00000	COMB6	Combination	-169,403	-48,058	12,411	-0,0018	2,5673
131	0,41370	COMB6	Combination	-169,735	-56,332	4,137	-0,0018	-0,8559
131	0,82741	COMB6	Combination	-170,066	-64,606	-4,137	-0,0018	-0,8560
131	1,24111	COMB6	Combination	-170,397	-72,880	-12,411	-0,0018	2,5670
131	0,00000	COMB8	Combination	-383,984	-226,093	13,404	-0,0109	2,7727
131	0,41370	COMB8	Combination	-384,315	-264,071	4,468	-0,0109	-0,9243
131	0,82741	COMB8	Combination	-384,647	-302,050	-4,468	-0,0109	-0,9244
131	1,24111	COMB8	Combination	-384,978	-340,028	-13,404	-0,0109	2,7723
131	0,00000	COMB8bis	Combination	-342,553	-192,360	11,418	-0,0092	2,3619
131	0,41370	COMB8bis	Combination	-342,885	-224,712	3,806	-0,0092	-0,7874
131	0,82741	COMB8bis	Combination	-343,216	-257,063	-3,806	-0,0092	-0,7875
131	1,24111	COMB8bis	Combination	-343,547	-289,415	-11,418	-0,0092	2,3616
132	0,00000	COMB1	Combination	-186,142	-54,640	12,388	-0,0012	2,5670
132	0,41370	COMB1	Combination	-186,143	-62,914	4,114	-0,0012	-0,8465
132	0,82741	COMB1	Combination	-186,143	-71,188	-4,160	-0,0012	-0,8369
132	1,24111	COMB1	Combination	-186,144	-79,462	-12,434	-0,0012	2,5958

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
132	0,00000	COMB2	Combination	-158,481	-73,394	12,388	0,0021	2,5670
132	0,41370	COMB2	Combination	-158,481	-81,668	4,114	0,0021	-0,8465
132	0,82741	COMB2	Combination	-158,482	-89,942	-4,160	0,0021	-0,8369
132	1,24111	COMB2	Combination	-158,482	-98,216	-12,434	0,0021	2,5958
132	0,00000	COMB4	Combination	-380,008	-296,482	12,388	0,0031	2,5670
132	0,41370	COMB4	Combination	-380,008	-331,647	4,114	0,0031	-0,8465
132	0,82741	COMB4	Combination	-380,008	-366,812	-4,160	0,0031	-0,8369
132	1,24111	COMB4	Combination	-380,009	-401,976	-12,434	0,0031	2,5958
132	0,00000	COMB5	Combination	-352,346	-315,235	12,388	0,0064	2,5670
132	0,41370	COMB5	Combination	-352,346	-350,400	4,114	0,0064	-0,8465
132	0,82741	COMB5	Combination	-352,347	-385,565	-4,160	0,0064	-0,8369
132	1,24111	COMB5	Combination	-352,347	-420,730	-12,434	0,0064	2,5958
132	0,00000	COMB6	Combination	-170,396	-72,880	12,388	0,0020	2,5670
132	0,41370	COMB6	Combination	-170,727	-81,154	4,114	0,0020	-0,8465
132	0,82741	COMB6	Combination	-171,059	-89,428	-4,160	0,0020	-0,8368
132	1,24111	COMB6	Combination	-171,390	-97,702	-12,434	0,0020	2,5958
132	0,00000	COMB8	Combination	-384,977	-340,028	13,379	0,0068	2,7723
132	0,41370	COMB8	Combination	-385,308	-378,006	4,443	0,0068	-0,9142
132	0,82741	COMB8	Combination	-385,639	-415,984	-4,493	0,0068	-0,9038
132	1,24111	COMB8	Combination	-385,971	-453,962	-13,429	0,0068	2,8034
132	0,00000	COMB8bis	Combination	-343,546	-289,415	11,397	0,0059	2,3616
132	0,41370	COMB8bis	Combination	-343,878	-321,767	3,785	0,0059	-0,7787
132	0,82741	COMB8bis	Combination	-344,209	-354,119	-3,827	0,0059	-0,7699
132	1,24111	COMB8bis	Combination	-344,540	-386,470	-11,440	0,0059	2,3881
133	0,00000	COMB1	Combination	-186,142	-79,462	14,503	0,0029	2,5958
133	0,37056	COMB1	Combination	-186,143	-86,874	7,092	0,0029	-1,4052
133	0,74111	COMB1	Combination	-186,143	-94,285	-0,319	0,0029	-2,6600
133	0,00000	COMB2	Combination	-158,481	-98,216	14,504	0,0072	2,5958
133	0,37056	COMB2	Combination	-158,481	-105,627	7,092	0,0072	-1,4055
133	0,74111	COMB2	Combination	-158,481	-113,038	-0,319	0,0072	-2,6606
133	0,00000	COMB4	Combination	-380,008	-401,976	14,502	0,0240	2,5958
133	0,37056	COMB4	Combination	-380,008	-433,474	7,091	0,0240	-1,4049
133	0,74111	COMB4	Combination	-380,008	-464,971	-0,320	0,0240	-2,6594
133	0,00000	COMB5	Combination	-352,346	-420,730	14,503	0,0283	2,5958
133	0,37056	COMB5	Combination	-352,346	-452,227	7,092	0,0283	-1,4052
133	0,74111	COMB5	Combination	-352,347	-483,725	-0,319	0,0283	-2,6600
133	0,00000	COMB6	Combination	-171,389	-97,702	14,504	0,0071	2,5958
133	0,37056	COMB6	Combination	-171,686	-105,113	7,092	0,0071	-1,4055
133	0,74111	COMB6	Combination	-171,983	-112,524	-0,319	0,0071	-2,6605
133	0,00000	COMB8	Combination	-385,969	-453,962	15,663	0,0304	2,8034
133	0,37056	COMB8	Combination	-386,266	-487,979	7,659	0,0304	-1,5176
133	0,74111	COMB8	Combination	-386,563	-521,996	-0,345	0,0304	-2,8727
133	0,00000	COMB8bis	Combination	-344,539	-386,470	13,343	0,0260	2,3881
133	0,37056	COMB8bis	Combination	-344,836	-415,448	6,524	0,0260	-1,2928
133	0,74111	COMB8bis	Combination	-345,133	-444,425	-0,294	0,0260	-2,4472
134	0,50000	COMB1	Combination	-455,098	42,792	0,128	0,0259	-0,9915
134	0,87056	COMB1	Combination	-455,098	40,013	-2,651	0,0259	-0,5240
134	1,24111	COMB1	Combination	-455,098	37,233	-5,430	0,0259	0,9733
134	0,50000	COMB2	Combination	-447,527	42,792	0,126	0,0247	-0,9931
134	0,87056	COMB2	Combination	-447,528	40,013	-2,653	0,0247	-0,5248
134	1,24111	COMB2	Combination	-447,528	37,233	-5,432	0,0247	0,9733
134	0,50000	COMB4	Combination	-212,227	42,792	0,123	0,0262	-0,9949
134	0,87056	COMB4	Combination	-212,227	40,013	-2,656	0,0262	-0,5257
134	1,24111	COMB4	Combination	-212,227	37,233	-5,435	0,0262	0,9734
134	0,50000	COMB5	Combination	-204,657	42,792	0,121	0,0250	-0,9964

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
134	0,87056	COMB5	Combination	-204,657	40,013	-2,658	0,0250	-0,5264
134	1,24111	COMB5	Combination	-204,657	37,233	-5,437	0,0250	0,9734
134	0,50000	COMB6	Combination	-482,287	42,792	0,127	0,0248	-0,9924
134	0,87056	COMB6	Combination	-482,398	40,013	-2,652	0,0248	-0,5245
134	1,24111	COMB6	Combination	-482,510	37,233	-5,432	0,0248	0,9733
134	0,50000	COMB8	Combination	-212,843	46,215	0,131	0,0270	-1,0760
134	0,87056	COMB8	Combination	-212,954	43,214	-2,870	0,0270	-0,5685
134	1,24111	COMB8	Combination	-213,066	40,212	-5,872	0,0270	1,0513
134	0,50000	COMB8bis	Combination	-265,990	39,368	0,113	0,0231	-0,9156
134	0,87056	COMB8bis	Combination	-266,101	36,812	-2,444	0,0231	-0,4838
134	1,24111	COMB8bis	Combination	-266,212	34,255	-5,001	0,0231	0,8955
135	0,00000	COMB1	Combination	-455,098	37,233	4,663	-0,0034	0,9733
135	0,41370	COMB1	Combination	-455,098	34,131	1,560	-0,0034	-0,3139
135	0,82741	COMB1	Combination	-455,098	31,028	-1,543	-0,0034	-0,3175
135	1,24111	COMB1	Combination	-455,098	27,925	-4,646	-0,0034	0,9626
135	0,00000	COMB2	Combination	-447,527	37,233	4,663	-0,0034	0,9733
135	0,41370	COMB2	Combination	-447,527	34,131	1,560	-0,0034	-0,3139
135	0,82741	COMB2	Combination	-447,527	31,028	-1,543	-0,0034	-0,3175
135	1,24111	COMB2	Combination	-447,528	27,925	-4,646	-0,0034	0,9626
135	0,00000	COMB4	Combination	-212,227	37,233	4,663	-0,0034	0,9734
135	0,41370	COMB4	Combination	-212,227	34,131	1,560	-0,0034	-0,3139
135	0,82741	COMB4	Combination	-212,227	31,028	-1,543	-0,0034	-0,3174
135	1,24111	COMB4	Combination	-212,227	27,925	-4,646	-0,0034	0,9626
135	0,00000	COMB5	Combination	-204,657	37,233	4,663	-0,0034	0,9734
135	0,41370	COMB5	Combination	-204,657	34,131	1,560	-0,0034	-0,3138
135	0,82741	COMB5	Combination	-204,657	31,028	-1,543	-0,0034	-0,3174
135	1,24111	COMB5	Combination	-204,657	27,925	-4,645	-0,0034	0,9626
135	0,00000	COMB6	Combination	-482,509	37,233	4,663	-0,0034	0,9733
135	0,41370	COMB6	Combination	-482,633	34,131	1,560	-0,0034	-0,3139
135	0,82741	COMB6	Combination	-482,758	31,028	-1,543	-0,0034	-0,3175
135	1,24111	COMB6	Combination	-482,882	27,925	-4,646	-0,0034	0,9626
135	0,00000	COMB8	Combination	-213,065	40,212	5,036	-0,0036	1,0513
135	0,41370	COMB8	Combination	-213,189	36,861	1,685	-0,0036	-0,3389
135	0,82741	COMB8	Combination	-213,314	33,510	-1,666	-0,0036	-0,3428
135	1,24111	COMB8	Combination	-213,438	30,159	-5,017	-0,0036	1,0396
135	0,00000	COMB8bis	Combination	-266,212	34,255	4,290	-0,0031	0,8955
135	0,41370	COMB8bis	Combination	-266,336	31,400	1,435	-0,0031	-0,2887
135	0,82741	COMB8bis	Combination	-266,460	28,546	-1,419	-0,0031	-0,2920
135	1,24111	COMB8bis	Combination	-266,584	25,691	-4,274	-0,0031	0,8856
136	0,00000	COMB1	Combination	-455,098	27,925	4,654	-0,0057	0,9626
136	0,41370	COMB1	Combination	-455,098	24,822	1,551	-0,0057	-0,3210
136	0,82741	COMB1	Combination	-455,098	21,720	-1,551	-0,0057	-0,3209
136	1,24111	COMB1	Combination	-455,098	18,617	-4,654	-0,0057	0,9627
136	0,00000	COMB2	Combination	-447,527	27,925	4,654	-0,0057	0,9626
136	0,41370	COMB2	Combination	-447,527	24,822	1,551	-0,0057	-0,3210
136	0,82741	COMB2	Combination	-447,527	21,720	-1,551	-0,0057	-0,3209
136	1,24111	COMB2	Combination	-447,528	18,617	-4,654	-0,0057	0,9627
136	0,00000	COMB4	Combination	-212,227	27,925	4,654	-0,0057	0,9626
136	0,41370	COMB4	Combination	-212,227	24,822	1,551	-0,0057	-0,3210
136	0,82741	COMB4	Combination	-212,227	21,720	-1,551	-0,0057	-0,3209
136	1,24111	COMB4	Combination	-212,227	18,617	-4,654	-0,0057	0,9627
136	0,00000	COMB5	Combination	-204,657	27,925	4,654	-0,0057	0,9626
136	0,41370	COMB5	Combination	-204,657	24,822	1,551	-0,0057	-0,3210
136	0,82741	COMB5	Combination	-204,657	21,720	-1,551	-0,0057	-0,3209
136	1,24111	COMB5	Combination	-204,657	18,617	-4,654	-0,0057	0,9627

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
136	0,00000	COMB6	Combination	-482,881	27,925	4,654	-0,0057	0,9626
136	0,41370	COMB6	Combination	-483,006	24,822	1,551	-0,0057	-0,3210
136	0,82741	COMB6	Combination	-483,130	21,720	-1,551	-0,0057	-0,3209
136	1,24111	COMB6	Combination	-483,254	18,617	-4,654	-0,0057	0,9627
136	0,00000	COMB8	Combination	-213,437	30,159	5,026	-0,0061	1,0396
136	0,41370	COMB8	Combination	-213,562	26,808	1,675	-0,0061	-0,3467
136	0,82741	COMB8	Combination	-213,686	23,457	-1,676	-0,0061	-0,3466
136	1,24111	COMB8	Combination	-213,810	20,106	-5,027	-0,0061	1,0397
136	0,00000	COMB8bis	Combination	-266,584	25,691	4,282	-0,0052	0,8856
136	0,41370	COMB8bis	Combination	-266,708	22,837	1,427	-0,0052	-0,2953
136	0,82741	COMB8bis	Combination	-266,832	19,982	-1,427	-0,0052	-0,2953
136	1,24111	COMB8bis	Combination	-266,957	17,127	-4,282	-0,0052	0,8857
137	0,00000	COMB1	Combination	-455,098	18,617	4,654	-0,0072	0,9627
137	0,41370	COMB1	Combination	-455,098	15,514	1,551	-0,0072	-0,3209
137	0,82741	COMB1	Combination	-455,098	12,411	-1,551	-0,0072	-0,3209
137	1,24111	COMB1	Combination	-455,098	9,308	-4,654	-0,0072	0,9627
137	0,00000	COMB2	Combination	-447,527	18,617	4,654	-0,0072	0,9627
137	0,41370	COMB2	Combination	-447,527	15,514	1,551	-0,0072	-0,3209
137	0,82741	COMB2	Combination	-447,527	12,411	-1,551	-0,0072	-0,3209
137	1,24111	COMB2	Combination	-447,528	9,308	-4,654	-0,0072	0,9627
137	0,00000	COMB4	Combination	-212,227	18,617	4,654	-0,0072	0,9627
137	0,41370	COMB4	Combination	-212,227	15,514	1,551	-0,0072	-0,3209
137	0,82741	COMB4	Combination	-212,227	12,411	-1,551	-0,0072	-0,3209
137	1,24111	COMB4	Combination	-212,227	9,308	-4,654	-0,0072	0,9627
137	0,00000	COMB5	Combination	-204,657	18,617	4,654	-0,0072	0,9627
137	0,41370	COMB5	Combination	-204,657	15,514	1,551	-0,0072	-0,3209
137	0,82741	COMB5	Combination	-204,657	12,411	-1,551	-0,0072	-0,3209
137	1,24111	COMB5	Combination	-204,657	9,308	-4,654	-0,0072	0,9627
137	0,00000	COMB6	Combination	-483,254	18,617	4,654	-0,0072	0,9627
137	0,41370	COMB6	Combination	-483,378	15,514	1,551	-0,0072	-0,3209
137	0,82741	COMB6	Combination	-483,502	12,411	-1,551	-0,0072	-0,3209
137	1,24111	COMB6	Combination	-483,626	9,308	-4,654	-0,0072	0,9627
137	0,00000	COMB8	Combination	-213,810	20,106	5,027	-0,0078	1,0397
137	0,41370	COMB8	Combination	-213,934	16,755	1,676	-0,0078	-0,3466
137	0,82741	COMB8	Combination	-214,058	13,404	-1,676	-0,0078	-0,3466
137	1,24111	COMB8	Combination	-214,183	10,053	-5,027	-0,0078	1,0397
137	0,00000	COMB8bis	Combination	-266,956	17,127	4,282	-0,0066	0,8857
137	0,41370	COMB8bis	Combination	-267,081	14,273	1,427	-0,0066	-0,2952
137	0,82741	COMB8bis	Combination	-267,205	11,418	-1,427	-0,0066	-0,2952
137	1,24111	COMB8bis	Combination	-267,329	8,564	-4,282	-0,0066	0,8857
138	0,00000	COMB1	Combination	-455,098	9,308	4,654	-0,0080	0,9627
138	0,41370	COMB1	Combination	-455,098	6,206	1,551	-0,0080	-0,3209
138	0,82741	COMB1	Combination	-455,098	3,103	-1,551	-0,0080	-0,3209
138	1,24111	COMB1	Combination	-455,098	1,149E-08	-4,654	-0,0080	0,9627
138	0,00000	COMB2	Combination	-447,527	9,308	4,654	-0,0080	0,9627
138	0,41370	COMB2	Combination	-447,527	6,206	1,551	-0,0080	-0,3209
138	0,82741	COMB2	Combination	-447,527	3,103	-1,551	-0,0080	-0,3209
138	1,24111	COMB2	Combination	-447,528	5,641E-10	-4,654	-0,0080	0,9627
138	0,00000	COMB4	Combination	-212,227	9,308	4,654	-0,0080	0,9627
138	0,41370	COMB4	Combination	-212,227	6,206	1,551	-0,0080	-0,3209
138	0,82741	COMB4	Combination	-212,227	3,103	-1,551	-0,0080	-0,3209
138	1,24111	COMB4	Combination	-212,227	1,164E-08	-4,654	-0,0080	0,9627
138	0,00000	COMB5	Combination	-204,657	9,308	4,654	-0,0080	0,9627
138	0,41370	COMB5	Combination	-204,657	6,206	1,551	-0,0080	-0,3209
138	0,82741	COMB5	Combination	-204,657	3,103	-1,551	-0,0080	-0,3209

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
138	1,24111	COMB5	Combination	-204,657	7,123E-10	-4,654	-0,0080	0,9627
138	0,00000	COMB6	Combination	-483,626	9,308	4,654	-0,0080	0,9627
138	0,41370	COMB6	Combination	-483,750	6,206	1,551	-0,0080	-0,3209
138	0,82741	COMB6	Combination	-483,875	3,103	-1,551	-0,0080	-0,3209
138	1,24111	COMB6	Combination	-483,999	1,241E-09	-4,654	-0,0080	0,9627
138	0,00000	COMB8	Combination	-214,182	10,053	5,027	-0,0086	1,0397
138	0,41370	COMB8	Combination	-214,306	6,702	1,676	-0,0086	-0,3466
138	0,82741	COMB8	Combination	-214,431	3,351	-1,676	-0,0086	-0,3466
138	1,24111	COMB8	Combination	-214,555	1,401E-09	-5,027	-0,0086	1,0397
138	0,00000	COMB8bis	Combination	-267,329	8,564	4,282	-0,0073	0,8857
138	0,41370	COMB8bis	Combination	-267,453	5,709	1,427	-0,0073	-0,2952
138	0,82741	COMB8bis	Combination	-267,577	2,855	-1,427	-0,0073	-0,2952
138	1,24111	COMB8bis	Combination	-267,701	1,377E-09	-4,282	-0,0073	0,8857
139	0,00000	COMB1	Combination	-455,098	1,150E-08	4,654	-0,0080	0,9627
139	0,41370	COMB1	Combination	-455,098	-3,103	1,551	-0,0080	-0,3209
139	0,82741	COMB1	Combination	-455,098	-6,206	-1,551	-0,0080	-0,3209
139	1,24111	COMB1	Combination	-455,098	-9,308	-4,654	-0,0080	0,9627
139	0,00000	COMB2	Combination	-447,527	5,683E-10	4,654	-0,0080	0,9627
139	0,41370	COMB2	Combination	-447,527	-3,103	1,551	-0,0080	-0,3209
139	0,82741	COMB2	Combination	-447,527	-6,206	-1,551	-0,0080	-0,3209
139	1,24111	COMB2	Combination	-447,528	-9,308	-4,654	-0,0080	0,9627
139	0,00000	COMB4	Combination	-212,227	1,165E-08	4,654	-0,0080	0,9627
139	0,41370	COMB4	Combination	-212,227	-3,103	1,551	-0,0080	-0,3209
139	0,82741	COMB4	Combination	-212,227	-6,206	-1,551	-0,0080	-0,3209
139	1,24111	COMB4	Combination	-212,227	-9,308	-4,654	-0,0080	0,9627
139	0,00000	COMB5	Combination	-204,657	7,174E-10	4,654	-0,0080	0,9627
139	0,41370	COMB5	Combination	-204,657	-3,103	1,551	-0,0080	-0,3209
139	0,82741	COMB5	Combination	-204,657	-6,206	-1,551	-0,0080	-0,3209
139	1,24111	COMB5	Combination	-204,657	-9,308	-4,654	-0,0080	0,9627
139	0,00000	COMB6	Combination	-483,998	1,245E-09	4,654	-0,0080	0,9627
139	0,41370	COMB6	Combination	-484,123	-3,103	1,551	-0,0080	-0,3209
139	0,82741	COMB6	Combination	-484,247	-6,206	-1,551	-0,0080	-0,3209
139	1,24111	COMB6	Combination	-484,371	-9,308	-4,654	-0,0080	0,9627
139	0,00000	COMB8	Combination	-214,554	1,406E-09	5,027	-0,0086	1,0397
139	0,41370	COMB8	Combination	-214,679	-3,351	1,676	-0,0086	-0,3466
139	0,82741	COMB8	Combination	-214,803	-6,702	-1,676	-0,0086	-0,3466
139	1,24111	COMB8	Combination	-214,927	-10,053	-5,027	-0,0086	1,0397
139	0,00000	COMB8bis	Combination	-267,701	1,382E-09	4,282	-0,0073	0,8857
139	0,41370	COMB8bis	Combination	-267,825	-2,855	1,427	-0,0073	-0,2952
139	0,82741	COMB8bis	Combination	-267,949	-5,709	-1,427	-0,0073	-0,2952
139	1,24111	COMB8bis	Combination	-268,074	-8,564	-4,282	-0,0073	0,8857
140	0,00000	COMB1	Combination	-455,098	-9,308	4,654	-0,0072	0,9627
140	0,41370	COMB1	Combination	-455,098	-12,411	1,551	-0,0072	-0,3209
140	0,82741	COMB1	Combination	-455,098	-15,514	-1,551	-0,0072	-0,3209
140	1,24111	COMB1	Combination	-455,098	-18,617	-4,654	-0,0072	0,9627
140	0,00000	COMB2	Combination	-447,527	-9,308	4,654	-0,0072	0,9627
140	0,41370	COMB2	Combination	-447,527	-12,411	1,551	-0,0072	-0,3209
140	0,82741	COMB2	Combination	-447,527	-15,514	-1,551	-0,0072	-0,3209
140	1,24111	COMB2	Combination	-447,528	-18,617	-4,654	-0,0072	0,9627
140	0,00000	COMB4	Combination	-212,227	-9,308	4,654	-0,0072	0,9627
140	0,41370	COMB4	Combination	-212,227	-12,411	1,551	-0,0072	-0,3209
140	0,82741	COMB4	Combination	-212,227	-15,514	-1,551	-0,0072	-0,3209
140	1,24111	COMB4	Combination	-212,227	-18,617	-4,654	-0,0072	0,9627
140	0,00000	COMB5	Combination	-204,657	-9,308	4,654	-0,0072	0,9627
140	0,41370	COMB5	Combination	-204,657	-12,411	1,551	-0,0072	-0,3209

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
140	0,82741	COMB5	Combination	-204,657	-15,514	-1,551	-0,0072	-0,3209
140	1,24111	COMB5	Combination	-204,657	-18,617	-4,654	-0,0072	0,9627
140	0,00000	COMB6	Combination	-484,371	-9,308	4,654	-0,0072	0,9627
140	0,41370	COMB6	Combination	-484,495	-12,411	1,551	-0,0072	-0,3209
140	0,82741	COMB6	Combination	-484,619	-15,514	-1,551	-0,0072	-0,3209
140	1,24111	COMB6	Combination	-484,743	-18,617	-4,654	-0,0072	0,9627
140	0,00000	COMB8	Combination	-214,927	-10,053	5,027	-0,0078	1,0397
140	0,41370	COMB8	Combination	-215,051	-13,404	1,676	-0,0078	-0,3466
140	0,82741	COMB8	Combination	-215,175	-16,755	-1,676	-0,0078	-0,3466
140	1,24111	COMB8	Combination	-215,300	-20,106	-5,027	-0,0078	1,0397
140	0,00000	COMB8bis	Combination	-268,073	-8,564	4,282	-0,0066	0,8857
140	0,41370	COMB8bis	Combination	-268,198	-11,418	1,427	-0,0066	-0,2952
140	0,82741	COMB8bis	Combination	-268,322	-14,273	-1,427	-0,0066	-0,2952
140	1,24111	COMB8bis	Combination	-268,446	-17,127	-4,282	-0,0066	0,8857
141	0,00000	COMB1	Combination	-455,098	-18,617	4,654	-0,0057	0,9627
141	0,41370	COMB1	Combination	-455,098	-21,720	1,551	-0,0057	-0,3209
141	0,82741	COMB1	Combination	-455,098	-24,822	-1,551	-0,0057	-0,3210
141	1,24111	COMB1	Combination	-455,098	-27,925	-4,654	-0,0057	0,9626
141	0,00000	COMB2	Combination	-447,527	-18,617	4,654	-0,0057	0,9627
141	0,41370	COMB2	Combination	-447,527	-21,720	1,551	-0,0057	-0,3209
141	0,82741	COMB2	Combination	-447,527	-24,822	-1,551	-0,0057	-0,3210
141	1,24111	COMB2	Combination	-447,528	-27,925	-4,654	-0,0057	0,9626
141	0,00000	COMB4	Combination	-212,227	-18,617	4,654	-0,0057	0,9627
141	0,41370	COMB4	Combination	-212,227	-21,720	1,551	-0,0057	-0,3209
141	0,82741	COMB4	Combination	-212,227	-24,822	-1,551	-0,0057	-0,3210
141	1,24111	COMB4	Combination	-212,227	-27,925	-4,654	-0,0057	0,9626
141	0,00000	COMB5	Combination	-204,657	-18,617	4,654	-0,0057	0,9627
141	0,41370	COMB5	Combination	-204,657	-21,720	1,551	-0,0057	-0,3209
141	0,82741	COMB5	Combination	-204,657	-24,822	-1,551	-0,0057	-0,3210
141	1,24111	COMB5	Combination	-204,657	-27,925	-4,654	-0,0057	0,9626
141	0,00000	COMB6	Combination	-484,743	-18,617	4,654	-0,0057	0,9627
141	0,41370	COMB6	Combination	-484,867	-21,720	1,551	-0,0057	-0,3209
141	0,82741	COMB6	Combination	-484,992	-24,822	-1,551	-0,0057	-0,3210
141	1,24111	COMB6	Combination	-485,116	-27,925	-4,654	-0,0057	0,9626
141	0,00000	COMB8	Combination	-215,299	-20,106	5,027	-0,0061	1,0397
141	0,41370	COMB8	Combination	-215,423	-23,457	1,676	-0,0061	-0,3466
141	0,82741	COMB8	Combination	-215,548	-26,808	-1,675	-0,0061	-0,3467
141	1,24111	COMB8	Combination	-215,672	-30,159	-5,026	-0,0061	1,0396
141	0,00000	COMB8bis	Combination	-268,446	-17,127	4,282	-0,0052	0,8857
141	0,41370	COMB8bis	Combination	-268,570	-19,982	1,427	-0,0052	-0,2953
141	0,82741	COMB8bis	Combination	-268,694	-22,837	-1,427	-0,0052	-0,2953
141	1,24111	COMB8bis	Combination	-268,818	-25,691	-4,282	-0,0052	0,8856
142	0,00000	COMB1	Combination	-455,098	-27,925	4,645	-0,0034	0,9626
142	0,41370	COMB1	Combination	-455,098	-31,028	1,543	-0,0034	-0,3174
142	0,82741	COMB1	Combination	-455,098	-34,131	-1,560	-0,0034	-0,3138
142	1,24111	COMB1	Combination	-455,098	-37,233	-4,663	-0,0034	0,9735
142	0,00000	COMB2	Combination	-447,527	-27,925	4,645	-0,0034	0,9626
142	0,41370	COMB2	Combination	-447,527	-31,028	1,543	-0,0034	-0,3174
142	0,82741	COMB2	Combination	-447,527	-34,131	-1,560	-0,0034	-0,3138
142	1,24111	COMB2	Combination	-447,528	-37,233	-4,663	-0,0034	0,9735
142	0,00000	COMB4	Combination	-212,227	-27,925	4,645	-0,0034	0,9626
142	0,41370	COMB4	Combination	-212,227	-31,028	1,543	-0,0034	-0,3174
142	0,82741	COMB4	Combination	-212,227	-34,131	-1,560	-0,0034	-0,3138
142	1,24111	COMB4	Combination	-212,227	-37,233	-4,663	-0,0034	0,9734
142	0,00000	COMB5	Combination	-204,657	-27,925	4,645	-0,0034	0,9626

<p>GENERAL CONTRACTOR</p>  <p>Censorzio Collegamenti Integrati Veloci</p>	<p>ALTA SORVEGLIANZA</p>  <p>GRUPPO FERROVIE DELLO STATO ITALIANE</p>
	<p>a301-00-d-cv-ro-gn00-0x-013-e00</p> <p>Foglio 112 di 289</p>

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
142	0,41370	COMB5	Combination	-204,657	-31,028	1,543	-0,0034	-0,3174
142	0,82741	COMB5	Combination	-204,657	-34,131	-1,560	-0,0034	-0,3138
142	1,24111	COMB5	Combination	-204,657	-37,233	-4,663	-0,0034	0,9734
142	0,00000	COMB6	Combination	-485,115	-27,925	4,645	-0,0034	0,9626
142	0,41370	COMB6	Combination	-485,240	-31,028	1,543	-0,0034	-0,3174
142	0,82741	COMB6	Combination	-485,364	-34,131	-1,560	-0,0034	-0,3138
142	1,24111	COMB6	Combination	-485,488	-37,233	-4,663	-0,0034	0,9735
142	0,00000	COMB8	Combination	-215,671	-30,159	5,017	-0,0036	1,0396
142	0,41370	COMB8	Combination	-215,796	-33,510	1,666	-0,0036	-0,3428
142	0,82741	COMB8	Combination	-215,920	-36,861	-1,685	-0,0036	-0,3389
142	1,24111	COMB8	Combination	-216,044	-40,212	-5,036	-0,0036	1,0513
142	0,00000	COMB8bis	Combination	-268,818	-25,691	4,274	-0,0031	0,8856
142	0,41370	COMB8bis	Combination	-268,942	-28,546	1,419	-0,0031	-0,2920
142	0,82741	COMB8bis	Combination	-269,066	-31,400	-1,435	-0,0031	-0,2887
142	1,24111	COMB8bis	Combination	-269,191	-34,255	-4,290	-0,0031	0,8956
143	0,00000	COMB1	Combination	-455,098	-37,233	5,441	0,0232	0,9735
143	0,37056	COMB1	Combination	-455,098	-40,013	2,662	0,0232	-0,5279
143	0,74111	COMB1	Combination	-455,098	-42,792	-0,117	0,0232	-0,9995
143	0,00000	COMB2	Combination	-447,527	-37,233	5,444	0,0245	0,9735
143	0,37056	COMB2	Combination	-447,527	-40,013	2,665	0,0245	-0,5290
143	0,74111	COMB2	Combination	-447,527	-42,792	-0,114	0,0245	-1,0016
143	0,00000	COMB4	Combination	-212,227	-37,233	5,437	0,0235	0,9734
143	0,37056	COMB4	Combination	-212,227	-40,013	2,658	0,0235	-0,5263
143	0,74111	COMB4	Combination	-212,227	-42,792	-0,122	0,0235	-0,9962
143	0,00000	COMB5	Combination	-204,656	-37,233	5,440	0,0248	0,9734
143	0,37056	COMB5	Combination	-204,657	-40,013	2,660	0,0248	-0,5273
143	0,74111	COMB5	Combination	-204,657	-42,792	-0,119	0,0248	-0,9982
143	0,00000	COMB6	Combination	-485,488	-37,233	5,444	0,0245	0,9735
143	0,37056	COMB6	Combination	-485,599	-40,013	2,665	0,0245	-0,5290
143	0,74111	COMB6	Combination	-485,710	-42,792	-0,114	0,0245	-1,0016
143	0,00000	COMB8	Combination	-216,044	-40,212	5,874	0,0267	1,0513
143	0,37056	COMB8	Combination	-216,155	-43,214	2,873	0,0267	-0,5693
143	0,74111	COMB8	Combination	-216,266	-46,215	-0,129	0,0267	-1,0777
143	0,00000	COMB8bis	Combination	-269,190	-34,255	5,005	0,0228	0,8956
143	0,37056	COMB8bis	Combination	-269,302	-36,812	2,448	0,0228	-0,4854
143	0,74111	COMB8bis	Combination	-269,413	-39,368	-0,109	0,0228	-0,9189

Table: Element Forces - Frames, Part 2 of 2

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
1	0,00000	COMB1	0,0000	1-1	0,00000
1	0,34475	COMB1	350,0568	1-1	0,34475
1	0,68951	COMB1	694,1708	1-1	0,68951
1	1,03426	COMB1	1032,3420	1-1	1,03426
1	0,00000	COMB2	0,0000	1-1	0,00000
1	0,34475	COMB2	350,0568	1-1	0,34475
1	0,68951	COMB2	694,1708	1-1	0,68951
1	1,03426	COMB2	1032,3420	1-1	1,03426
1	0,00000	COMB4	0,0000	1-1	0,00000
1	0,34475	COMB4	350,0568	1-1	0,34475
1	0,68951	COMB4	694,1708	1-1	0,68951
1	1,03426	COMB4	1032,3420	1-1	1,03426
1	0,00000	COMB5	0,0000	1-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
1	0,34475	COMB5	350,0568	1-1	0,34475
1	0,68951	COMB5	694,1708	1-1	0,68951
1	1,03426	COMB5	1032,3420	1-1	1,03426
1	0,00000	COMB6	0,0000	1-1	0,00000
1	0,34475	COMB6	350,0568	1-1	0,34475
1	0,68951	COMB6	694,1708	1-1	0,68951
1	1,03426	COMB6	1032,3420	1-1	1,03426
1	0,00000	COMB8	0,0000	1-1	0,00000
1	0,34475	COMB8	378,0613	1-1	0,34475
1	0,68951	COMB8	749,7044	1-1	0,68951
1	1,03426	COMB8	1114,9293	1-1	1,03426
1	0,00000	COMB8bis	0,0000	1-1	0,00000
1	0,34475	COMB8bis	322,0522	1-1	0,34475
1	0,68951	COMB8bis	638,6371	1-1	0,68951
1	1,03426	COMB8bis	949,7546	1-1	1,03426
2	0,00000	COMB1	512,0000	2-1	0,00000
2	0,34475	COMB1	1038,5708	2-1	0,34475
2	0,68951	COMB1	1559,1989	2-1	0,68951
2	1,03426	COMB1	2073,8842	2-1	1,03426
2	0,00000	COMB2	512,0000	2-1	0,00000
2	0,34475	COMB2	1038,5708	2-1	0,34475
2	0,68951	COMB2	1559,1989	2-1	0,68951
2	1,03426	COMB2	2073,8842	2-1	1,03426
2	0,00000	COMB4	512,0000	2-1	0,00000
2	0,34475	COMB4	1038,5708	2-1	0,34475
2	0,68951	COMB4	1559,1989	2-1	0,68951
2	1,03426	COMB4	2073,8842	2-1	1,03426
2	0,00000	COMB5	512,0000	2-1	0,00000
2	0,34475	COMB5	1038,5708	2-1	0,34475
2	0,68951	COMB5	1559,1989	2-1	0,68951
2	1,03426	COMB5	2073,8842	2-1	1,03426
2	0,00000	COMB6	512,0000	2-1	0,00000
2	0,34475	COMB6	1038,5708	2-1	0,34475
2	0,68951	COMB6	1559,1989	2-1	0,68951
2	1,03426	COMB6	2073,8842	2-1	1,03426
2	0,00000	COMB8	552,9600	2-1	0,00000
2	0,34475	COMB8	1121,6565	2-1	0,34475
2	0,68951	COMB8	1683,9348	2-1	0,68951
2	1,03426	COMB8	2239,7949	2-1	1,03426
2	0,00000	COMB8bis	471,0400	2-1	0,00000
2	0,34475	COMB8bis	955,4852	2-1	0,34475
2	0,68951	COMB8bis	1434,4630	2-1	0,68951
2	1,03426	COMB8bis	1907,9735	2-1	1,03426
3	0,00000	COMB1	2304,0000	3-1	0,00000
3	0,34475	COMB1	2301,0286	3-1	0,34475
3	0,68951	COMB1	2292,1145	3-1	0,68951
3	1,03426	COMB1	2277,2575	3-1	1,03426
3	0,00000	COMB2	2304,0000	3-1	0,00000
3	0,34475	COMB2	2301,0286	3-1	0,34475
3	0,68951	COMB2	2292,1145	3-1	0,68951
3	1,03426	COMB2	2277,2575	3-1	1,03426
3	0,00000	COMB4	2304,0000	3-1	0,00000
3	0,34475	COMB4	2301,0286	3-1	0,34475
3	0,68951	COMB4	2292,1145	3-1	0,68951
3	1,03426	COMB4	2277,2575	3-1	1,03426

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
3	0,00000	COMB5	2304,0000	3-1	0,00000
3	0,34475	COMB5	2301,0286	3-1	0,34475
3	0,68951	COMB5	2292,1145	3-1	0,68951
3	1,03426	COMB5	2277,2575	3-1	1,03426
3	0,00000	COMB6	2304,0000	3-1	0,00000
3	0,34475	COMB6	2301,0286	3-1	0,34475
3	0,68951	COMB6	2292,1145	3-1	0,68951
3	1,03426	COMB6	2277,2575	3-1	1,03426
3	0,00000	COMB8	2488,3200	3-1	0,00000
3	0,34475	COMB8	2485,1109	3-1	0,34475
3	0,68951	COMB8	2475,4836	3-1	0,68951
3	1,03426	COMB8	2459,4381	3-1	1,03426
3	0,00000	COMB8bis	2119,6800	3-1	0,00000
3	0,34475	COMB8bis	2116,9463	3-1	0,34475
3	0,68951	COMB8bis	2108,7453	3-1	0,68951
3	1,03426	COMB8bis	2095,0769	3-1	1,03426
4	0,00000	COMB1	1536,0000	4-1	0,00000
4	0,34475	COMB1	2062,5708	4-1	0,34475
4	0,68951	COMB1	2583,1989	4-1	0,68951
4	1,03426	COMB1	3097,8842	4-1	1,03426
4	0,00000	COMB2	1536,0000	4-1	0,00000
4	0,34475	COMB2	2062,5708	4-1	0,34475
4	0,68951	COMB2	2583,1989	4-1	0,68951
4	1,03426	COMB2	3097,8842	4-1	1,03426
4	0,00000	COMB4	1536,0000	4-1	0,00000
4	0,34475	COMB4	2062,5708	4-1	0,34475
4	0,68951	COMB4	2583,1989	4-1	0,68951
4	1,03426	COMB4	3097,8842	4-1	1,03426
4	0,00000	COMB5	1536,0000	4-1	0,00000
4	0,34475	COMB5	2062,5708	4-1	0,34475
4	0,68951	COMB5	2583,1989	4-1	0,68951
4	1,03426	COMB5	3097,8842	4-1	1,03426
4	0,00000	COMB6	1536,0000	4-1	0,00000
4	0,34475	COMB6	2062,5708	4-1	0,34475
4	0,68951	COMB6	2583,1989	4-1	0,68951
4	1,03426	COMB6	3097,8842	4-1	1,03426
4	0,00000	COMB8	1658,8800	4-1	0,00000
4	0,34475	COMB8	2227,5765	4-1	0,34475
4	0,68951	COMB8	2789,8548	4-1	0,68951
4	1,03426	COMB8	3345,7149	4-1	1,03426
4	0,00000	COMB8bis	1413,1200	4-1	0,00000
4	0,34475	COMB8bis	1897,5652	4-1	0,34475
4	0,68951	COMB8bis	2376,5430	4-1	0,68951
4	1,03426	COMB8bis	2850,0535	4-1	1,03426
5	0,00000	COMB1	2176,0000	5-1	0,00000
5	0,34475	COMB1	2173,0286	5-1	0,34475
5	0,68951	COMB1	2164,1145	5-1	0,68951
5	1,03426	COMB1	2149,2575	5-1	1,03426
5	0,00000	COMB2	2176,0000	5-1	0,00000
5	0,34475	COMB2	2173,0286	5-1	0,34475
5	0,68951	COMB2	2164,1145	5-1	0,68951
5	1,03426	COMB2	2149,2575	5-1	1,03426
5	0,00000	COMB4	2176,0000	5-1	0,00000
5	0,34475	COMB4	2173,0286	5-1	0,34475
5	0,68951	COMB4	2164,1145	5-1	0,68951

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
5	1,03426	COMB4	2149,2575	5-1	1,03426
5	0,00000	COMB5	2176,0000	5-1	0,00000
5	0,34475	COMB5	2173,0286	5-1	0,34475
5	0,68951	COMB5	2164,1145	5-1	0,68951
5	1,03426	COMB5	2149,2575	5-1	1,03426
5	0,00000	COMB6	2176,0000	5-1	0,00000
5	0,34475	COMB6	2173,0286	5-1	0,34475
5	0,68951	COMB6	2164,1145	5-1	0,68951
5	1,03426	COMB6	2149,2575	5-1	1,03426
5	0,00000	COMB8	2350,0800	5-1	0,00000
5	0,34475	COMB8	2346,8709	5-1	0,34475
5	0,68951	COMB8	2337,2436	5-1	0,68951
5	1,03426	COMB8	2321,1981	5-1	1,03426
5	0,00000	COMB8bis	2001,9200	5-1	0,00000
5	0,34475	COMB8bis	1999,1863	5-1	0,34475
5	0,68951	COMB8bis	1990,9853	5-1	0,68951
5	1,03426	COMB8bis	1977,3169	5-1	1,03426
6	0,00000	COMB1	2304,0000	6-1	0,00000
6	0,34475	COMB1	2477,5427	6-1	0,34475
6	0,68951	COMB1	2645,1426	6-1	0,68951
6	1,03426	COMB1	2806,7998	6-1	1,03426
6	0,00000	COMB2	2304,0000	6-1	0,00000
6	0,34475	COMB2	2477,5427	6-1	0,34475
6	0,68951	COMB2	2645,1426	6-1	0,68951
6	1,03426	COMB2	2806,7998	6-1	1,03426
6	0,00000	COMB4	2304,0000	6-1	0,00000
6	0,34475	COMB4	2477,5427	6-1	0,34475
6	0,68951	COMB4	2645,1426	6-1	0,68951
6	1,03426	COMB4	2806,7998	6-1	1,03426
6	0,00000	COMB5	2304,0000	6-1	0,00000
6	0,34475	COMB5	2477,5427	6-1	0,34475
6	0,68951	COMB5	2645,1426	6-1	0,68951
6	1,03426	COMB5	2806,7998	6-1	1,03426
6	0,00000	COMB6	2304,0000	6-1	0,00000
6	0,34475	COMB6	2477,5427	6-1	0,34475
6	0,68951	COMB6	2645,1426	6-1	0,68951
6	1,03426	COMB6	2806,7998	6-1	1,03426
6	0,00000	COMB8	2488,3200	6-1	0,00000
6	0,34475	COMB8	2675,7461	6-1	0,34475
6	0,68951	COMB8	2856,7540	6-1	0,68951
6	1,03426	COMB8	3031,3437	6-1	1,03426
6	0,00000	COMB8bis	2119,6800	6-1	0,00000
6	0,34475	COMB8bis	2279,3393	6-1	0,34475
6	0,68951	COMB8bis	2433,5312	6-1	0,68951
6	1,03426	COMB8bis	2582,2558	6-1	1,03426
7	0,00000	COMB1	2176,0000	7-1	0,00000
7	0,34475	COMB1	1731,7434	7-1	0,34475
7	0,68951	COMB1	1281,5441	7-1	0,68951
7	1,03426	COMB1	825,4020	7-1	1,03426
7	0,00000	COMB2	2176,0000	7-1	0,00000
7	0,34475	COMB2	1731,7434	7-1	0,34475
7	0,68951	COMB2	1281,5441	7-1	0,68951
7	1,03426	COMB2	825,4020	7-1	1,03426
7	0,00000	COMB4	2176,0000	7-1	0,00000
7	0,34475	COMB4	1731,7434	7-1	0,34475

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
7	0,68951	COMB4	1281,5441	7-1	0,68951
7	1,03426	COMB4	825,4020	7-1	1,03426
7	0,00000	COMB5	2176,0000	7-1	0,00000
7	0,34475	COMB5	1731,7434	7-1	0,34475
7	0,68951	COMB5	1281,5441	7-1	0,68951
7	1,03426	COMB5	825,4020	7-1	1,03426
7	0,00000	COMB6	2176,0000	7-1	0,00000
7	0,34475	COMB6	1731,7434	7-1	0,34475
7	0,68951	COMB6	1281,5441	7-1	0,68951
7	1,03426	COMB6	825,4020	7-1	1,03426
7	0,00000	COMB8	2350,0800	7-1	0,00000
7	0,34475	COMB8	1870,2829	7-1	0,34475
7	0,68951	COMB8	1384,0676	7-1	0,68951
7	1,03426	COMB8	891,4342	7-1	1,03426
7	0,00000	COMB8bis	2001,9200	7-1	0,00000
7	0,34475	COMB8bis	1593,2040	7-1	0,34475
7	0,68951	COMB8bis	1179,0206	7-1	0,68951
7	1,03426	COMB8bis	759,3698	7-1	1,03426
8	0,00000	COMB1	1152,0000	8-1	0,00000
8	0,34475	COMB1	884,2575	8-1	0,34475
8	0,68951	COMB1	610,5722	8-1	0,68951
8	1,03426	COMB1	330,9442	8-1	1,03426
8	0,00000	COMB2	1152,0000	8-1	0,00000
8	0,34475	COMB2	884,2575	8-1	0,34475
8	0,68951	COMB2	610,5722	8-1	0,68951
8	1,03426	COMB2	330,9442	8-1	1,03426
8	0,00000	COMB4	1152,0000	8-1	0,00000
8	0,34475	COMB4	884,2575	8-1	0,34475
8	0,68951	COMB4	610,5722	8-1	0,68951
8	1,03426	COMB4	330,9442	8-1	1,03426
8	0,00000	COMB5	1152,0000	8-1	0,00000
8	0,34475	COMB5	884,2575	8-1	0,34475
8	0,68951	COMB5	610,5722	8-1	0,68951
8	1,03426	COMB5	330,9442	8-1	1,03426
8	0,00000	COMB6	1152,0000	8-1	0,00000
8	0,34475	COMB6	884,2575	8-1	0,34475
8	0,68951	COMB6	610,5722	8-1	0,68951
8	1,03426	COMB6	330,9442	8-1	1,03426
8	0,00000	COMB8	1244,1600	8-1	0,00000
8	0,34475	COMB8	954,9981	8-1	0,34475
8	0,68951	COMB8	659,4180	8-1	0,68951
8	1,03426	COMB8	357,4198	8-1	1,03426
8	0,00000	COMB8bis	1059,8400	8-1	0,00000
8	0,34475	COMB8bis	813,5169	8-1	0,34475
8	0,68951	COMB8bis	561,7265	8-1	0,68951
8	1,03426	COMB8bis	304,4687	8-1	1,03426
9	0,00000	COMB1	128,0000	9-1	0,00000
9	0,34475	COMB1	213,2857	9-1	0,34475
9	0,68951	COMB1	292,6285	9-1	0,68951
9	1,03426	COMB1	366,0287	9-1	1,03426
9	0,00000	COMB2	128,0000	9-1	0,00000
9	0,34475	COMB2	213,2857	9-1	0,34475
9	0,68951	COMB2	292,6285	9-1	0,68951
9	1,03426	COMB2	366,0287	9-1	1,03426
9	0,00000	COMB4	128,0000	9-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
9	0,34475	COMB4	213,2857	9-1	0,34475
9	0,68951	COMB4	292,6285	9-1	0,68951
9	1,03426	COMB4	366,0287	9-1	1,03426
9	0,00000	COMB5	128,0000	9-1	0,00000
9	0,34475	COMB5	213,2857	9-1	0,34475
9	0,68951	COMB5	292,6285	9-1	0,68951
9	1,03426	COMB5	366,0287	9-1	1,03426
9	0,00000	COMB6	128,0000	9-1	0,00000
9	0,34475	COMB6	213,2857	9-1	0,34475
9	0,68951	COMB6	292,6285	9-1	0,68951
9	1,03426	COMB6	366,0287	9-1	1,03426
9	0,00000	COMB8	138,2400	9-1	0,00000
9	0,34475	COMB8	230,3485	9-1	0,34475
9	0,68951	COMB8	316,0388	9-1	0,68951
9	1,03426	COMB8	395,3109	9-1	1,03426
9	0,00000	COMB8bis	117,7600	9-1	0,00000
9	0,34475	COMB8bis	196,2228	9-1	0,34475
9	0,68951	COMB8bis	269,2183	9-1	0,68951
9	1,03426	COMB8bis	336,7464	9-1	1,03426
10	0,00000	COMB1	128,0000	10-1	0,00000
10	0,34475	COMB1	-51,4855	10-1	0,34475
10	0,68951	COMB1	-236,9137	10-1	0,68951
10	1,03426	COMB1	-428,2847	10-1	1,03426
10	0,00000	COMB2	128,0000	10-1	0,00000
10	0,34475	COMB2	-51,4855	10-1	0,34475
10	0,68951	COMB2	-236,9137	10-1	0,68951
10	1,03426	COMB2	-428,2847	10-1	1,03426
10	0,00000	COMB4	128,0000	10-1	0,00000
10	0,34475	COMB4	-51,4855	10-1	0,34475
10	0,68951	COMB4	-236,9137	10-1	0,68951
10	1,03426	COMB4	-428,2847	10-1	1,03426
10	0,00000	COMB5	128,0000	10-1	0,00000
10	0,34475	COMB5	-51,4855	10-1	0,34475
10	0,68951	COMB5	-236,9137	10-1	0,68951
10	1,03426	COMB5	-428,2847	10-1	1,03426
10	0,00000	COMB6	128,0000	10-1	0,00000
10	0,34475	COMB6	-51,4855	10-1	0,34475
10	0,68951	COMB6	-236,9137	10-1	0,68951
10	1,03426	COMB6	-428,2847	10-1	1,03426
10	0,00000	COMB8	138,2400	10-1	0,00000
10	0,34475	COMB8	-55,6043	10-1	0,34475
10	0,68951	COMB8	-255,8668	10-1	0,68951
10	1,03426	COMB8	-462,5474	10-1	1,03426
10	0,00000	COMB8bis	117,7600	10-1	0,00000
10	0,34475	COMB8bis	-47,3666	10-1	0,34475
10	0,68951	COMB8bis	-217,9606	10-1	0,68951
10	1,03426	COMB8bis	-394,0219	10-1	1,03426
11	0,00000	COMB1	-128,0000	11-1	0,00000
11	0,34475	COMB1	-130,9714	11-1	0,34475
11	0,68951	COMB1	-139,8855	11-1	0,68951
11	1,03426	COMB1	-154,7425	11-1	1,03426
11	0,00000	COMB2	-128,0000	11-1	0,00000
11	0,34475	COMB2	-130,9714	11-1	0,34475
11	0,68951	COMB2	-139,8855	11-1	0,68951
11	1,03426	COMB2	-154,7425	11-1	1,03426

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
11	0,00000	COMB4	-128,0000	11-1	0,00000
11	0,34475	COMB4	-130,9714	11-1	0,34475
11	0,68951	COMB4	-139,8855	11-1	0,68951
11	1,03426	COMB4	-154,7425	11-1	1,03426
11	0,00000	COMB5	-128,0000	11-1	0,00000
11	0,34475	COMB5	-130,9714	11-1	0,34475
11	0,68951	COMB5	-139,8855	11-1	0,68951
11	1,03426	COMB5	-154,7425	11-1	1,03426
11	0,00000	COMB6	-128,0000	11-1	0,00000
11	0,34475	COMB6	-130,9714	11-1	0,34475
11	0,68951	COMB6	-139,8855	11-1	0,68951
11	1,03426	COMB6	-154,7425	11-1	1,03426
11	0,00000	COMB8	-138,2400	11-1	0,00000
11	0,34475	COMB8	-141,4491	11-1	0,34475
11	0,68951	COMB8	-151,0764	11-1	0,68951
11	1,03426	COMB8	-167,1219	11-1	1,03426
11	0,00000	COMB8bis	-117,7600	11-1	0,00000
11	0,34475	COMB8bis	-120,4937	11-1	0,34475
11	0,68951	COMB8bis	-128,6947	11-1	0,68951
11	1,03426	COMB8bis	-142,3631	11-1	1,03426
12	0,00000	COMB1	-256,0000	12-1	0,00000
12	0,34475	COMB1	-82,4573	12-1	0,34475
12	0,68951	COMB1	85,1426	12-1	0,68951
12	1,03426	COMB1	246,7998	12-1	1,03426
12	0,00000	COMB2	-256,0000	12-1	0,00000
12	0,34475	COMB2	-82,4573	12-1	0,34475
12	0,68951	COMB2	85,1426	12-1	0,68951
12	1,03426	COMB2	246,7998	12-1	1,03426
12	0,00000	COMB4	-256,0000	12-1	0,00000
12	0,34475	COMB4	-82,4573	12-1	0,34475
12	0,68951	COMB4	85,1426	12-1	0,68951
12	1,03426	COMB4	246,7998	12-1	1,03426
12	0,00000	COMB5	-256,0000	12-1	0,00000
12	0,34475	COMB5	-82,4573	12-1	0,34475
12	0,68951	COMB5	85,1426	12-1	0,68951
12	1,03426	COMB5	246,7998	12-1	1,03426
12	0,00000	COMB6	-256,0000	12-1	0,00000
12	0,34475	COMB6	-82,4573	12-1	0,34475
12	0,68951	COMB6	85,1426	12-1	0,68951
12	1,03426	COMB6	246,7998	12-1	1,03426
12	0,00000	COMB8	-276,4800	12-1	0,00000
12	0,34475	COMB8	-89,0539	12-1	0,34475
12	0,68951	COMB8	91,9540	12-1	0,68951
12	1,03426	COMB8	266,5437	12-1	1,03426
12	0,00000	COMB8bis	-235,5200	12-1	0,00000
12	0,34475	COMB8bis	-75,8607	12-1	0,34475
12	0,68951	COMB8bis	78,3312	12-1	0,68951
12	1,03426	COMB8bis	227,0558	12-1	1,03426
13	0,00000	COMB1	-320,0000	13-1	0,00000
13	0,45421	COMB1	-92,6028	13-1	0,45421
13	0,90842	COMB1	124,4791	13-1	0,90842
13	0,00000	COMB2	-320,0000	13-1	0,00000
13	0,45421	COMB2	-92,6028	13-1	0,45421
13	0,90842	COMB2	124,4791	13-1	0,90842
13	0,00000	COMB4	-320,0000	13-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
13	0,45421	COMB4	-92,6028	13-1	0,45421
13	0,90842	COMB4	124,4791	13-1	0,90842
13	0,00000	COMB5	-320,0000	13-1	0,00000
13	0,45421	COMB5	-92,6028	13-1	0,45421
13	0,90842	COMB5	124,4791	13-1	0,90842
13	0,00000	COMB6	-320,0000	13-1	0,00000
13	0,45421	COMB6	-92,6028	13-1	0,45421
13	0,90842	COMB6	124,4791	13-1	0,90842
13	0,00000	COMB8	-345,6000	13-1	0,00000
13	0,45421	COMB8	-100,0111	13-1	0,45421
13	0,90842	COMB8	134,4374	13-1	0,90842
13	0,00000	COMB8bis	-294,4000	13-1	0,00000
13	0,45421	COMB8bis	-85,1946	13-1	0,45421
13	0,90842	COMB8bis	114,5207	13-1	0,90842
14	0,00000	COMB1	480,0000	14-1	0,00000
14	0,45421	COMB1	823,6746	14-1	0,45421
14	0,90842	COMB1	1157,0339	14-1	0,90842
14	0,00000	COMB2	480,0000	14-1	0,00000
14	0,45421	COMB2	823,6746	14-1	0,45421
14	0,90842	COMB2	1157,0339	14-1	0,90842
14	0,00000	COMB4	480,0000	14-1	0,00000
14	0,45421	COMB4	823,6746	14-1	0,45421
14	0,90842	COMB4	1157,0339	14-1	0,90842
14	0,00000	COMB5	480,0000	14-1	0,00000
14	0,45421	COMB5	823,6746	14-1	0,45421
14	0,90842	COMB5	1157,0339	14-1	0,90842
14	0,00000	COMB6	480,0000	14-1	0,00000
14	0,45421	COMB6	823,6746	14-1	0,45421
14	0,90842	COMB6	1157,0339	14-1	0,90842
14	0,00000	COMB8	518,4000	14-1	0,00000
14	0,45421	COMB8	889,5685	14-1	0,45421
14	0,90842	COMB8	1249,5966	14-1	0,90842
14	0,00000	COMB8bis	441,6000	14-1	0,00000
14	0,45421	COMB8bis	757,7806	14-1	0,45421
14	0,90842	COMB8bis	1064,4711	14-1	0,90842
15	0,00000	COMB1	896,0000	15-1	0,00000
15	0,45421	COMB1	1123,3972	15-1	0,45421
15	0,90842	COMB1	1340,4791	15-1	0,90842
15	0,00000	COMB2	896,0000	15-1	0,00000
15	0,45421	COMB2	1123,3972	15-1	0,45421
15	0,90842	COMB2	1340,4791	15-1	0,90842
15	0,00000	COMB4	896,0000	15-1	0,00000
15	0,45421	COMB4	1123,3972	15-1	0,45421
15	0,90842	COMB4	1340,4791	15-1	0,90842
15	0,00000	COMB5	896,0000	15-1	0,00000
15	0,45421	COMB5	1123,3972	15-1	0,45421
15	0,90842	COMB5	1340,4791	15-1	0,90842
15	0,00000	COMB6	896,0000	15-1	0,00000
15	0,45421	COMB6	1123,3972	15-1	0,45421
15	0,90842	COMB6	1340,4791	15-1	0,90842
15	0,00000	COMB8	967,6800	15-1	0,00000
15	0,45421	COMB8	1213,2689	15-1	0,45421
15	0,90842	COMB8	1447,7174	15-1	0,90842
15	0,00000	COMB8bis	824,3200	15-1	0,00000
15	0,45421	COMB8bis	1033,5254	15-1	0,45421

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
15	0,90842	COMB8bis	1233,2407	15-1	0,90842
16	0,00000	COMB1	1760,0000	16-1	0,00000
16	0,45421	COMB1	1871,1198	16-1	0,45421
16	0,90842	COMB1	1971,9243	16-1	0,90842
16	0,00000	COMB2	1760,0000	16-1	0,00000
16	0,45421	COMB2	1871,1198	16-1	0,45421
16	0,90842	COMB2	1971,9243	16-1	0,90842
16	0,00000	COMB4	1760,0000	16-1	0,00000
16	0,45421	COMB4	1871,1198	16-1	0,45421
16	0,90842	COMB4	1971,9243	16-1	0,90842
16	0,00000	COMB5	1760,0000	16-1	0,00000
16	0,45421	COMB5	1871,1198	16-1	0,45421
16	0,90842	COMB5	1971,9243	16-1	0,90842
16	0,00000	COMB6	1760,0000	16-1	0,00000
16	0,45421	COMB6	1871,1198	16-1	0,45421
16	0,90842	COMB6	1971,9243	16-1	0,90842
16	0,00000	COMB8	1900,8000	16-1	0,00000
16	0,45421	COMB8	2020,8093	16-1	0,45421
16	0,90842	COMB8	2129,6782	16-1	0,90842
16	0,00000	COMB8bis	1619,2000	16-1	0,00000
16	0,45421	COMB8bis	1721,4302	16-1	0,45421
16	0,90842	COMB8bis	1814,1703	16-1	0,90842
17	0,00000	COMB1	2144,0000	17-1	0,00000
17	0,45421	COMB1	2196,9811	17-1	0,45421
17	0,90842	COMB1	2239,6469	17-1	0,90842
17	0,00000	COMB2	2144,0000	17-1	0,00000
17	0,45421	COMB2	2196,9811	17-1	0,45421
17	0,90842	COMB2	2239,6469	17-1	0,90842
17	0,00000	COMB4	2144,0000	17-1	0,00000
17	0,45421	COMB4	2196,9811	17-1	0,45421
17	0,90842	COMB4	2239,6469	17-1	0,90842
17	0,00000	COMB5	2144,0000	17-1	0,00000
17	0,45421	COMB5	2196,9811	17-1	0,45421
17	0,90842	COMB5	2239,6469	17-1	0,90842
17	0,00000	COMB6	2144,0000	17-1	0,00000
17	0,45421	COMB6	2196,9811	17-1	0,45421
17	0,90842	COMB6	2239,6469	17-1	0,90842
17	0,00000	COMB8	2315,5200	17-1	0,00000
17	0,45421	COMB8	2372,7395	17-1	0,45421
17	0,90842	COMB8	2418,8186	17-1	0,90842
17	0,00000	COMB8bis	1972,4800	17-1	0,00000
17	0,45421	COMB8bis	2021,2226	17-1	0,45421
17	0,90842	COMB8bis	2060,4751	17-1	0,90842
18	0,00000	COMB1	2496,0000	18-1	0,00000
18	0,43213	COMB1	2339,2233	18-1	0,43213
18	0,86425	COMB1	2173,1099	18-1	0,86425
18	0,00000	COMB2	2496,0000	18-1	0,00000
18	0,43213	COMB2	2339,2233	18-1	0,43213
18	0,86425	COMB2	2173,1099	18-1	0,86425
18	0,00000	COMB4	2496,0000	18-1	0,00000
18	0,43213	COMB4	2339,2233	18-1	0,43213
18	0,86425	COMB4	2173,1099	18-1	0,86425
18	0,00000	COMB5	2496,0000	18-1	0,00000
18	0,43213	COMB5	2339,2233	18-1	0,43213
18	0,86425	COMB5	2173,1099	18-1	0,86425

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
18	0,00000	COMB6	2496,0000	18-1	0,00000
18	0,43213	COMB6	2339,2233	18-1	0,43213
18	0,86425	COMB6	2173,1099	18-1	0,86425
18	0,00000	COMB8	2695,6800	18-1	0,00000
18	0,43213	COMB8	2526,3611	18-1	0,43213
18	0,86425	COMB8	2346,9586	18-1	0,86425
18	0,00000	COMB8bis	2296,3200	18-1	0,00000
18	0,43213	COMB8bis	2152,0854	18-1	0,43213
18	0,86425	COMB8bis	1999,2611	18-1	0,86425
19	0,00000	COMB1	2176,0000	19-1	0,00000
19	0,43213	COMB1	2027,8658	19-1	0,43213
19	0,86425	COMB1	1870,3949	19-1	0,86425
19	0,00000	COMB2	2176,0000	19-1	0,00000
19	0,43213	COMB2	2027,8658	19-1	0,43213
19	0,86425	COMB2	1870,3949	19-1	0,86425
19	0,00000	COMB4	2176,0000	19-1	0,00000
19	0,43213	COMB4	2027,8658	19-1	0,43213
19	0,86425	COMB4	1870,3949	19-1	0,86425
19	0,00000	COMB5	2176,0000	19-1	0,00000
19	0,43213	COMB5	2027,8658	19-1	0,43213
19	0,86425	COMB5	1870,3949	19-1	0,86425
19	0,00000	COMB6	2176,0000	19-1	0,00000
19	0,43213	COMB6	2027,8658	19-1	0,43213
19	0,86425	COMB6	1870,3949	19-1	0,86425
19	0,00000	COMB8	2350,0800	19-1	0,00000
19	0,43213	COMB8	2190,0950	19-1	0,43213
19	0,86425	COMB8	2020,0265	19-1	0,86425
19	0,00000	COMB8bis	2001,9200	19-1	0,00000
19	0,43213	COMB8bis	1865,6365	19-1	0,43213
19	0,86425	COMB8bis	1720,7633	19-1	0,86425
20	0,00000	COMB1	1920,0000	20-1	0,00000
20	0,43213	COMB1	1763,2233	20-1	0,43213
20	0,86425	COMB1	1597,1099	20-1	0,86425
20	0,00000	COMB2	1920,0000	20-1	0,00000
20	0,43213	COMB2	1763,2233	20-1	0,43213
20	0,86425	COMB2	1597,1099	20-1	0,86425
20	0,00000	COMB4	1920,0000	20-1	0,00000
20	0,43213	COMB4	1763,2233	20-1	0,43213
20	0,86425	COMB4	1597,1099	20-1	0,86425
20	0,00000	COMB5	1920,0000	20-1	0,00000
20	0,43213	COMB5	1763,2233	20-1	0,43213
20	0,86425	COMB5	1597,1099	20-1	0,86425
20	0,00000	COMB6	1920,0000	20-1	0,00000
20	0,43213	COMB6	1763,2233	20-1	0,43213
20	0,86425	COMB6	1597,1099	20-1	0,86425
20	0,00000	COMB8	2073,6000	20-1	0,00000
20	0,43213	COMB8	1904,2811	20-1	0,43213
20	0,86425	COMB8	1724,8786	20-1	0,86425
20	0,00000	COMB8bis	1766,4000	20-1	0,00000
20	0,43213	COMB8bis	1622,1654	20-1	0,43213
20	0,86425	COMB8bis	1469,3411	20-1	0,86425
21	0,00000	COMB1	1344,0000	21-1	0,00000
21	0,43213	COMB1	1145,7391	21-1	0,43213
21	0,86425	COMB1	938,1416	21-1	0,86425
21	0,00000	COMB2	1344,0000	21-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
21	0,43213	COMB2	1145,7391	21-1	0,43213
21	0,86425	COMB2	938,1416	21-1	0,86425
21	0,00000	COMB4	1344,0000	21-1	0,00000
21	0,43213	COMB4	1145,7391	21-1	0,43213
21	0,86425	COMB4	938,1416	21-1	0,86425
21	0,00000	COMB5	1344,0000	21-1	0,00000
21	0,43213	COMB5	1145,7391	21-1	0,43213
21	0,86425	COMB5	938,1416	21-1	0,86425
21	0,00000	COMB6	1344,0000	21-1	0,00000
21	0,43213	COMB6	1145,7391	21-1	0,43213
21	0,86425	COMB6	938,1416	21-1	0,86425
21	0,00000	COMB8	1451,5200	21-1	0,00000
21	0,43213	COMB8	1237,3983	21-1	0,43213
21	0,86425	COMB8	1013,1930	21-1	0,86425
21	0,00000	COMB8bis	1236,4800	21-1	0,00000
21	0,43213	COMB8bis	1054,0800	21-1	0,43213
21	0,86425	COMB8bis	863,0903	21-1	0,86425
22	0,00000	COMB1	1024,0000	22-1	0,00000
22	0,43213	COMB1	687,4588	22-1	0,43213
22	0,86425	COMB1	341,5809	22-1	0,86425
22	0,00000	COMB2	1024,0000	22-1	0,00000
22	0,43213	COMB2	687,4588	22-1	0,43213
22	0,86425	COMB2	341,5809	22-1	0,86425
22	0,00000	COMB4	1024,0000	22-1	0,00000
22	0,43213	COMB4	687,4588	22-1	0,43213
22	0,86425	COMB4	341,5809	22-1	0,86425
22	0,00000	COMB5	1024,0000	22-1	0,00000
22	0,43213	COMB5	687,4588	22-1	0,43213
22	0,86425	COMB5	341,5809	22-1	0,86425
22	0,00000	COMB6	1024,0000	22-1	0,00000
22	0,43213	COMB6	687,4588	22-1	0,43213
22	0,86425	COMB6	341,5809	22-1	0,86425
22	0,00000	COMB8	1105,9200	22-1	0,00000
22	0,43213	COMB8	742,4555	22-1	0,43213
22	0,86425	COMB8	368,9073	22-1	0,86425
22	0,00000	COMB8bis	942,0800	22-1	0,00000
22	0,43213	COMB8bis	632,4621	22-1	0,43213
22	0,86425	COMB8bis	314,2544	22-1	0,86425
23	0,00000	COMB1	256,0000	23-1	0,00000
23	0,43213	COMB1	85,3952	23-1	0,43213
23	0,86425	COMB1	-94,5462	23-1	0,86425
23	0,00000	COMB2	256,0000	23-1	0,00000
23	0,43213	COMB2	85,3952	23-1	0,43213
23	0,86425	COMB2	-94,5462	23-1	0,86425
23	0,00000	COMB4	256,0000	23-1	0,00000
23	0,43213	COMB4	85,3952	23-1	0,43213
23	0,86425	COMB4	-94,5462	23-1	0,86425
23	0,00000	COMB5	256,0000	23-1	0,00000
23	0,43213	COMB5	85,3952	23-1	0,43213
23	0,86425	COMB5	-94,5462	23-1	0,86425
23	0,00000	COMB6	256,0000	23-1	0,00000
23	0,43213	COMB6	85,3952	23-1	0,43213
23	0,86425	COMB6	-94,5462	23-1	0,86425
23	0,00000	COMB8	276,4800	23-1	0,00000
23	0,43213	COMB8	92,2268	23-1	0,43213

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
23	0,86425	COMB8	-102,1099	23-1	0,86425
23	0,00000	COMB8bis	235,5200	23-1	0,00000
23	0,43213	COMB8bis	78,5636	23-1	0,43213
23	0,86425	COMB8bis	-86,9825	23-1	0,86425
24	0,00000	COMB1	0,0000	24-1	0,00000
24	0,43213	COMB1	-225,9166	24-1	0,43213
24	0,86425	COMB1	-461,1699	24-1	0,86425
24	0,00000	COMB2	0,0000	24-1	0,00000
24	0,43213	COMB2	-225,9166	24-1	0,43213
24	0,86425	COMB2	-461,1699	24-1	0,86425
24	0,00000	COMB4	0,0000	24-1	0,00000
24	0,43213	COMB4	-225,9166	24-1	0,43213
24	0,86425	COMB4	-461,1699	24-1	0,86425
24	0,00000	COMB5	0,0000	24-1	0,00000
24	0,43213	COMB5	-225,9166	24-1	0,43213
24	0,86425	COMB5	-461,1699	24-1	0,86425
24	0,00000	COMB6	0,0000	24-1	0,00000
24	0,43213	COMB6	-225,9166	24-1	0,43213
24	0,86425	COMB6	-461,1699	24-1	0,86425
24	0,00000	COMB8	0,0000	24-1	0,00000
24	0,43213	COMB8	-243,9900	24-1	0,43213
24	0,86425	COMB8	-498,0635	24-1	0,86425
24	0,00000	COMB8bis	0,0000	24-1	0,00000
24	0,43213	COMB8bis	-207,8433	24-1	0,43213
24	0,86425	COMB8bis	-424,2763	24-1	0,86425
25	0,00000	COMB1	-64,0000	25-1	0,00000
25	0,34475	COMB1	21,2840	25-1	0,34475
25	0,68949	COMB1	100,6254	25-1	0,68949
25	1,03424	COMB1	174,0244	25-1	1,03424
25	0,00000	COMB2	-64,0000	25-1	0,00000
25	0,34475	COMB2	21,2840	25-1	0,34475
25	0,68949	COMB2	100,6254	25-1	0,68949
25	1,03424	COMB2	174,0244	25-1	1,03424
25	0,00000	COMB4	-64,0000	25-1	0,00000
25	0,34475	COMB4	21,2840	25-1	0,34475
25	0,68949	COMB4	100,6254	25-1	0,68949
25	1,03424	COMB4	174,0244	25-1	1,03424
25	0,00000	COMB5	-64,0000	25-1	0,00000
25	0,34475	COMB5	21,2840	25-1	0,34475
25	0,68949	COMB5	100,6254	25-1	0,68949
25	1,03424	COMB5	174,0244	25-1	1,03424
25	0,00000	COMB6	-64,0000	25-1	0,00000
25	0,34475	COMB6	21,2840	25-1	0,34475
25	0,68949	COMB6	100,6254	25-1	0,68949
25	1,03424	COMB6	174,0244	25-1	1,03424
25	0,00000	COMB8	-69,1200	25-1	0,00000
25	0,34475	COMB8	22,9867	25-1	0,34475
25	0,68949	COMB8	108,6755	25-1	0,68949
25	1,03424	COMB8	187,9463	25-1	1,03424
25	0,00000	COMB8bis	-58,8800	25-1	0,00000
25	0,34475	COMB8bis	19,5813	25-1	0,34475
25	0,68949	COMB8bis	92,5754	25-1	0,68949
25	1,03424	COMB8bis	160,1024	25-1	1,03424
26	0,00000	COMB1	0,0000	26-1	0,00000
26	0,34475	COMB1	-2,9713	26-1	0,34475

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
26	0,68949	COMB1	-11,8851	26-1	0,68949
26	1,03424	COMB1	-26,7414	26-1	1,03424
26	0,00000	COMB2	0,0000	26-1	0,00000
26	0,34475	COMB2	-2,9713	26-1	0,34475
26	0,68949	COMB2	-11,8851	26-1	0,68949
26	1,03424	COMB2	-26,7414	26-1	1,03424
26	0,00000	COMB4	0,0000	26-1	0,00000
26	0,34475	COMB4	-2,9713	26-1	0,34475
26	0,68949	COMB4	-11,8851	26-1	0,68949
26	1,03424	COMB4	-26,7414	26-1	1,03424
26	0,00000	COMB5	0,0000	26-1	0,00000
26	0,34475	COMB5	-2,9713	26-1	0,34475
26	0,68949	COMB5	-11,8851	26-1	0,68949
26	1,03424	COMB5	-26,7414	26-1	1,03424
26	0,00000	COMB6	0,0000	26-1	0,00000
26	0,34475	COMB6	-2,9713	26-1	0,34475
26	0,68949	COMB6	-11,8851	26-1	0,68949
26	1,03424	COMB6	-26,7414	26-1	1,03424
26	0,00000	COMB8	0,0000	26-1	0,00000
26	0,34475	COMB8	-3,2090	26-1	0,34475
26	0,68949	COMB8	-12,8359	26-1	0,68949
26	1,03424	COMB8	-28,8807	26-1	1,03424
26	0,00000	COMB8bis	0,0000	26-1	0,00000
26	0,34475	COMB8bis	-2,7336	26-1	0,34475
26	0,68949	COMB8bis	-10,9342	26-1	0,68949
26	1,03424	COMB8bis	-24,6021	26-1	1,03424
27	0,00000	COMB1	-160,0000	27-1	0,00000
27	0,34475	COMB1	-74,7160	27-1	0,34475
27	0,68949	COMB1	4,6254	27-1	0,68949
27	1,03424	COMB1	78,0244	27-1	1,03424
27	0,00000	COMB2	-160,0000	27-1	0,00000
27	0,34475	COMB2	-74,7160	27-1	0,34475
27	0,68949	COMB2	4,6254	27-1	0,68949
27	1,03424	COMB2	78,0244	27-1	1,03424
27	0,00000	COMB4	-160,0000	27-1	0,00000
27	0,34475	COMB4	-74,7160	27-1	0,34475
27	0,68949	COMB4	4,6254	27-1	0,68949
27	1,03424	COMB4	78,0244	27-1	1,03424
27	0,00000	COMB5	-160,0000	27-1	0,00000
27	0,34475	COMB5	-74,7160	27-1	0,34475
27	0,68949	COMB5	4,6254	27-1	0,68949
27	1,03424	COMB5	78,0244	27-1	1,03424
27	0,00000	COMB6	-160,0000	27-1	0,00000
27	0,34475	COMB6	-74,7160	27-1	0,34475
27	0,68949	COMB6	4,6254	27-1	0,68949
27	1,03424	COMB6	78,0244	27-1	1,03424
27	0,00000	COMB8	-172,8000	27-1	0,00000
27	0,34475	COMB8	-80,6933	27-1	0,34475
27	0,68949	COMB8	4,9955	27-1	0,68949
27	1,03424	COMB8	84,2663	27-1	1,03424
27	0,00000	COMB8bis	-147,2000	27-1	0,00000
27	0,34475	COMB8bis	-68,7387	27-1	0,34475
27	0,68949	COMB8bis	4,2554	27-1	0,68949
27	1,03424	COMB8bis	71,7824	27-1	1,03424
28	0,00000	COMB1	112,0000	28-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
28	0,34475	COMB1	153,1564	28-1	0,34475
28	0,68949	COMB1	188,3702	28-1	0,68949
28	1,03424	COMB1	217,6415	28-1	1,03424
28	0,00000	COMB2	112,0000	28-1	0,00000
28	0,34475	COMB2	153,1564	28-1	0,34475
28	0,68949	COMB2	188,3702	28-1	0,68949
28	1,03424	COMB2	217,6415	28-1	1,03424
28	0,00000	COMB4	112,0000	28-1	0,00000
28	0,34475	COMB4	153,1564	28-1	0,34475
28	0,68949	COMB4	188,3702	28-1	0,68949
28	1,03424	COMB4	217,6415	28-1	1,03424
28	0,00000	COMB5	112,0000	28-1	0,00000
28	0,34475	COMB5	153,1564	28-1	0,34475
28	0,68949	COMB5	188,3702	28-1	0,68949
28	1,03424	COMB5	217,6415	28-1	1,03424
28	0,00000	COMB6	112,0000	28-1	0,00000
28	0,34475	COMB6	153,1564	28-1	0,34475
28	0,68949	COMB6	188,3702	28-1	0,68949
28	1,03424	COMB6	217,6415	28-1	1,03424
28	0,00000	COMB8	120,9600	28-1	0,00000
28	0,34475	COMB8	165,4089	28-1	0,34475
28	0,68949	COMB8	203,4398	28-1	0,68949
28	1,03424	COMB8	235,0528	28-1	1,03424
28	0,00000	COMB8bis	103,0400	28-1	0,00000
28	0,34475	COMB8bis	140,9038	28-1	0,34475
28	0,68949	COMB8bis	173,3006	28-1	0,68949
28	1,03424	COMB8bis	200,2302	28-1	1,03424
29	0,00000	COMB1	280,0000	29-1	0,00000
29	0,34475	COMB1	343,2202	29-1	0,34475
29	0,68949	COMB1	400,4978	29-1	0,68949
29	1,03424	COMB1	451,8329	29-1	1,03424
29	0,00000	COMB2	280,0000	29-1	0,00000
29	0,34475	COMB2	343,2202	29-1	0,34475
29	0,68949	COMB2	400,4978	29-1	0,68949
29	1,03424	COMB2	451,8329	29-1	1,03424
29	0,00000	COMB4	280,0000	29-1	0,00000
29	0,34475	COMB4	343,2202	29-1	0,34475
29	0,68949	COMB4	400,4978	29-1	0,68949
29	1,03424	COMB4	451,8329	29-1	1,03424
29	0,00000	COMB5	280,0000	29-1	0,00000
29	0,34475	COMB5	343,2202	29-1	0,34475
29	0,68949	COMB5	400,4978	29-1	0,68949
29	1,03424	COMB5	451,8329	29-1	1,03424
29	0,00000	COMB6	280,0000	29-1	0,00000
29	0,34475	COMB6	343,2202	29-1	0,34475
29	0,68949	COMB6	400,4978	29-1	0,68949
29	1,03424	COMB6	451,8329	29-1	1,03424
29	0,00000	COMB8	302,4000	29-1	0,00000
29	0,34475	COMB8	370,6778	29-1	0,34475
29	0,68949	COMB8	432,5376	29-1	0,68949
29	1,03424	COMB8	487,9796	29-1	1,03424
29	0,00000	COMB8bis	257,6000	29-1	0,00000
29	0,34475	COMB8bis	315,7626	29-1	0,34475
29	0,68949	COMB8bis	368,4580	29-1	0,68949
29	1,03424	COMB8bis	415,6863	29-1	1,03424

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
30	0,00000	COMB1	428,0000	30-1	0,00000
30	0,34475	COMB1	491,2202	30-1	0,34475
30	0,68949	COMB1	548,4978	30-1	0,68949
30	1,03424	COMB1	599,8329	30-1	1,03424
30	0,00000	COMB2	428,0000	30-1	0,00000
30	0,34475	COMB2	491,2202	30-1	0,34475
30	0,68949	COMB2	548,4978	30-1	0,68949
30	1,03424	COMB2	599,8329	30-1	1,03424
30	0,00000	COMB4	428,0000	30-1	0,00000
30	0,34475	COMB4	491,2202	30-1	0,34475
30	0,68949	COMB4	548,4978	30-1	0,68949
30	1,03424	COMB4	599,8329	30-1	1,03424
30	0,00000	COMB5	428,0000	30-1	0,00000
30	0,34475	COMB5	491,2202	30-1	0,34475
30	0,68949	COMB5	548,4978	30-1	0,68949
30	1,03424	COMB5	599,8329	30-1	1,03424
30	0,00000	COMB6	428,0000	30-1	0,00000
30	0,34475	COMB6	491,2202	30-1	0,34475
30	0,68949	COMB6	548,4978	30-1	0,68949
30	1,03424	COMB6	599,8329	30-1	1,03424
30	0,00000	COMB8	462,2400	30-1	0,00000
30	0,34475	COMB8	530,5178	30-1	0,34475
30	0,68949	COMB8	592,3776	30-1	0,68949
30	1,03424	COMB8	647,8196	30-1	1,03424
30	0,00000	COMB8bis	393,7600	30-1	0,00000
30	0,34475	COMB8bis	451,9226	30-1	0,34475
30	0,68949	COMB8bis	504,6180	30-1	0,68949
30	1,03424	COMB8bis	551,8463	30-1	1,03424
31	0,00000	COMB1	672,0000	31-1	0,00000
31	0,34475	COMB1	669,0287	31-1	0,34475
31	0,68949	COMB1	660,1149	31-1	0,68949
31	1,03424	COMB1	645,2586	31-1	1,03424
31	0,00000	COMB2	672,0000	31-1	0,00000
31	0,34475	COMB2	669,0287	31-1	0,34475
31	0,68949	COMB2	660,1149	31-1	0,68949
31	1,03424	COMB2	645,2586	31-1	1,03424
31	0,00000	COMB4	672,0000	31-1	0,00000
31	0,34475	COMB4	669,0287	31-1	0,34475
31	0,68949	COMB4	660,1149	31-1	0,68949
31	1,03424	COMB4	645,2586	31-1	1,03424
31	0,00000	COMB5	672,0000	31-1	0,00000
31	0,34475	COMB5	669,0287	31-1	0,34475
31	0,68949	COMB5	660,1149	31-1	0,68949
31	1,03424	COMB5	645,2586	31-1	1,03424
31	0,00000	COMB6	672,0000	31-1	0,00000
31	0,34475	COMB6	669,0287	31-1	0,34475
31	0,68949	COMB6	660,1149	31-1	0,68949
31	1,03424	COMB6	645,2586	31-1	1,03424
31	0,00000	COMB8	725,7600	31-1	0,00000
31	0,34475	COMB8	722,5510	31-1	0,34475
31	0,68949	COMB8	712,9241	31-1	0,68949
31	1,03424	COMB8	696,8793	31-1	1,03424
31	0,00000	COMB8bis	618,2400	31-1	0,00000
31	0,34475	COMB8bis	615,5064	31-1	0,34475
31	0,68949	COMB8bis	607,3058	31-1	0,68949

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
31	1,03424	COMB8bis	593,6379	31-1	1,03424
32	0,00000	COMB1	672,0000	32-1	0,00000
32	0,34475	COMB1	693,8505	32-1	0,34475
32	0,68949	COMB1	709,7585	32-1	0,68949
32	1,03424	COMB1	719,7240	32-1	1,03424
32	0,00000	COMB2	672,0000	32-1	0,00000
32	0,34475	COMB2	693,8505	32-1	0,34475
32	0,68949	COMB2	709,7585	32-1	0,68949
32	1,03424	COMB2	719,7240	32-1	1,03424
32	0,00000	COMB4	672,0000	32-1	0,00000
32	0,34475	COMB4	693,8505	32-1	0,34475
32	0,68949	COMB4	709,7585	32-1	0,68949
32	1,03424	COMB4	719,7240	32-1	1,03424
32	0,00000	COMB5	672,0000	32-1	0,00000
32	0,34475	COMB5	693,8505	32-1	0,34475
32	0,68949	COMB5	709,7585	32-1	0,68949
32	1,03424	COMB5	719,7240	32-1	1,03424
32	0,00000	COMB6	672,0000	32-1	0,00000
32	0,34475	COMB6	693,8505	32-1	0,34475
32	0,68949	COMB6	709,7585	32-1	0,68949
32	1,03424	COMB6	719,7240	32-1	1,03424
32	0,00000	COMB8	725,7600	32-1	0,00000
32	0,34475	COMB8	749,3586	32-1	0,34475
32	0,68949	COMB8	766,5392	32-1	0,68949
32	1,03424	COMB8	777,3019	32-1	1,03424
32	0,00000	COMB8bis	618,2400	32-1	0,00000
32	0,34475	COMB8bis	638,3425	32-1	0,34475
32	0,68949	COMB8bis	652,9778	32-1	0,68949
32	1,03424	COMB8bis	662,1461	32-1	1,03424
33	0,00000	COMB1	768,0000	33-1	0,00000
33	0,34475	COMB1	765,0287	33-1	0,34475
33	0,68949	COMB1	756,1149	33-1	0,68949
33	1,03424	COMB1	741,2586	33-1	1,03424
33	0,00000	COMB2	768,0000	33-1	0,00000
33	0,34475	COMB2	765,0287	33-1	0,34475
33	0,68949	COMB2	756,1149	33-1	0,68949
33	1,03424	COMB2	741,2586	33-1	1,03424
33	0,00000	COMB4	768,0000	33-1	0,00000
33	0,34475	COMB4	765,0287	33-1	0,34475
33	0,68949	COMB4	756,1149	33-1	0,68949
33	1,03424	COMB4	741,2586	33-1	1,03424
33	0,00000	COMB5	768,0000	33-1	0,00000
33	0,34475	COMB5	765,0287	33-1	0,34475
33	0,68949	COMB5	756,1149	33-1	0,68949
33	1,03424	COMB5	741,2586	33-1	1,03424
33	0,00000	COMB6	768,0000	33-1	0,00000
33	0,34475	COMB6	765,0287	33-1	0,34475
33	0,68949	COMB6	756,1149	33-1	0,68949
33	1,03424	COMB6	741,2586	33-1	1,03424
33	0,00000	COMB8	829,4400	33-1	0,00000
33	0,34475	COMB8	826,2310	33-1	0,34475
33	0,68949	COMB8	816,6041	33-1	0,68949
33	1,03424	COMB8	800,5593	33-1	1,03424
33	0,00000	COMB8bis	706,5600	33-1	0,00000
33	0,34475	COMB8bis	703,8264	33-1	0,34475

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
33	0,68949	COMB8bis	695,6258	33-1	0,68949
33	1,03424	COMB8bis	681,9579	33-1	1,03424
34	0,00000	COMB1	704,0000	34-1	0,00000
34	0,34475	COMB1	678,9649	34-1	0,34475
34	0,68949	COMB1	647,9873	34-1	0,68949
34	1,03424	COMB1	611,0672	34-1	1,03424
34	0,00000	COMB2	704,0000	34-1	0,00000
34	0,34475	COMB2	678,9649	34-1	0,34475
34	0,68949	COMB2	647,9873	34-1	0,68949
34	1,03424	COMB2	611,0672	34-1	1,03424
34	0,00000	COMB4	704,0000	34-1	0,00000
34	0,34475	COMB4	678,9649	34-1	0,34475
34	0,68949	COMB4	647,9873	34-1	0,68949
34	1,03424	COMB4	611,0672	34-1	1,03424
34	0,00000	COMB5	704,0000	34-1	0,00000
34	0,34475	COMB5	678,9649	34-1	0,34475
34	0,68949	COMB5	647,9873	34-1	0,68949
34	1,03424	COMB5	611,0672	34-1	1,03424
34	0,00000	COMB6	704,0000	34-1	0,00000
34	0,34475	COMB6	678,9649	34-1	0,34475
34	0,68949	COMB6	647,9873	34-1	0,68949
34	1,03424	COMB6	611,0672	34-1	1,03424
34	0,00000	COMB8	760,3200	34-1	0,00000
34	0,34475	COMB8	733,2821	34-1	0,34475
34	0,68949	COMB8	699,8263	34-1	0,68949
34	1,03424	COMB8	659,9526	34-1	1,03424
34	0,00000	COMB8bis	647,6800	34-1	0,00000
34	0,34475	COMB8bis	624,6477	34-1	0,34475
34	0,68949	COMB8bis	596,1483	34-1	0,68949
34	1,03424	COMB8bis	562,1818	34-1	1,03424
35	0,00000	COMB1	576,0000	35-1	0,00000
35	0,34475	COMB1	528,9011	35-1	0,34475
35	0,68949	COMB1	475,8597	35-1	0,68949
35	1,03424	COMB1	416,8758	35-1	1,03424
35	0,00000	COMB2	576,0000	35-1	0,00000
35	0,34475	COMB2	528,9011	35-1	0,34475
35	0,68949	COMB2	475,8597	35-1	0,68949
35	1,03424	COMB2	416,8758	35-1	1,03424
35	0,00000	COMB4	576,0000	35-1	0,00000
35	0,34475	COMB4	528,9011	35-1	0,34475
35	0,68949	COMB4	475,8597	35-1	0,68949
35	1,03424	COMB4	416,8758	35-1	1,03424
35	0,00000	COMB5	576,0000	35-1	0,00000
35	0,34475	COMB5	528,9011	35-1	0,34475
35	0,68949	COMB5	475,8597	35-1	0,68949
35	1,03424	COMB5	416,8758	35-1	1,03424
35	0,00000	COMB6	576,0000	35-1	0,00000
35	0,34475	COMB6	528,9011	35-1	0,34475
35	0,68949	COMB6	475,8597	35-1	0,68949
35	1,03424	COMB6	416,8758	35-1	1,03424
35	0,00000	COMB8	622,0800	35-1	0,00000
35	0,34475	COMB8	571,2132	35-1	0,34475
35	0,68949	COMB8	513,9285	35-1	0,68949
35	1,03424	COMB8	450,2258	35-1	1,03424
35	0,00000	COMB8bis	529,9200	35-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
35	0,34475	COMB8bis	486,5890	35-1	0,34475
35	0,68949	COMB8bis	437,7909	35-1	0,68949
35	1,03424	COMB8bis	383,5257	35-1	1,03424
36	0,00000	COMB1	512,0000	36-1	0,00000
36	0,34475	COMB1	509,0287	36-1	0,34475
36	0,68949	COMB1	500,1150	36-1	0,68949
36	1,03424	COMB1	485,2586	36-1	1,03424
36	0,00000	COMB2	512,0000	36-1	0,00000
36	0,34475	COMB2	509,0287	36-1	0,34475
36	0,68949	COMB2	500,1150	36-1	0,68949
36	1,03424	COMB2	485,2586	36-1	1,03424
36	0,00000	COMB4	512,0000	36-1	0,00000
36	0,34475	COMB4	509,0287	36-1	0,34475
36	0,68949	COMB4	500,1150	36-1	0,68949
36	1,03424	COMB4	485,2586	36-1	1,03424
36	0,00000	COMB5	512,0000	36-1	0,00000
36	0,34475	COMB5	509,0287	36-1	0,34475
36	0,68949	COMB5	500,1150	36-1	0,68949
36	1,03424	COMB5	485,2586	36-1	1,03424
36	0,00000	COMB6	512,0000	36-1	0,00000
36	0,34475	COMB6	509,0287	36-1	0,34475
36	0,68949	COMB6	500,1150	36-1	0,68949
36	1,03424	COMB6	485,2586	36-1	1,03424
36	0,00000	COMB8	552,9600	36-1	0,00000
36	0,34475	COMB8	549,7510	36-1	0,34475
36	0,68949	COMB8	540,1241	36-1	0,68949
36	1,03424	COMB8	524,0793	36-1	1,03424
36	0,00000	COMB8bis	471,0400	36-1	0,00000
36	0,34475	COMB8bis	468,3064	36-1	0,34475
36	0,68949	COMB8bis	460,1058	36-1	0,68949
36	1,03424	COMB8bis	446,4380	36-1	1,03424
37	0,00000	COMB1	512,0000	37-1	0,00000
37	0,43214	COMB1	507,3313	37-1	0,43214
37	0,86429	COMB1	493,3253	37-1	0,86429
37	0,00000	COMB2	512,0000	37-1	0,00000
37	0,43214	COMB2	507,3313	37-1	0,43214
37	0,86429	COMB2	493,3253	37-1	0,86429
37	0,00000	COMB4	512,0000	37-1	0,00000
37	0,43214	COMB4	507,3313	37-1	0,43214
37	0,86429	COMB4	493,3253	37-1	0,86429
37	0,00000	COMB5	512,0000	37-1	0,00000
37	0,43214	COMB5	507,3313	37-1	0,43214
37	0,86429	COMB5	493,3253	37-1	0,86429
37	0,00000	COMB6	512,0000	37-1	0,00000
37	0,43214	COMB6	507,3313	37-1	0,43214
37	0,86429	COMB6	493,3253	37-1	0,86429
37	0,00000	COMB8	552,9600	37-1	0,00000
37	0,43214	COMB8	547,9178	37-1	0,43214
37	0,86429	COMB8	532,7913	37-1	0,86429
37	0,00000	COMB8bis	471,0400	37-1	0,00000
37	0,43214	COMB8bis	466,7448	37-1	0,43214
37	0,86429	COMB8bis	453,8592	37-1	0,86429
38	0,00000	COMB1	128,0000	38-1	0,00000
38	0,43214	COMB1	12,7027	38-1	0,43214
38	0,86429	COMB1	-111,9319	38-1	0,86429

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
38	0,00000	COMB2	128,0000	38-1	0,00000
38	0,43214	COMB2	12,7027	38-1	0,43214
38	0,86429	COMB2	-111,9319	38-1	0,86429
38	0,00000	COMB4	128,0000	38-1	0,00000
38	0,43214	COMB4	12,7027	38-1	0,43214
38	0,86429	COMB4	-111,9319	38-1	0,86429
38	0,00000	COMB5	128,0000	38-1	0,00000
38	0,43214	COMB5	12,7027	38-1	0,43214
38	0,86429	COMB5	-111,9319	38-1	0,86429
38	0,00000	COMB6	128,0000	38-1	0,00000
38	0,43214	COMB6	12,7027	38-1	0,43214
38	0,86429	COMB6	-111,9319	38-1	0,86429
38	0,00000	COMB8	138,2400	38-1	0,00000
38	0,43214	COMB8	13,7190	38-1	0,43214
38	0,86429	COMB8	-120,8864	38-1	0,86429
38	0,00000	COMB8bis	117,7600	38-1	0,00000
38	0,43214	COMB8bis	11,6865	38-1	0,43214
38	0,86429	COMB8bis	-102,9773	38-1	0,86429
39	0,00000	COMB1	384,0000	39-1	0,00000
39	0,43214	COMB1	268,7027	39-1	0,43214
39	0,86429	COMB1	144,0681	39-1	0,86429
39	0,00000	COMB2	384,0000	39-1	0,00000
39	0,43214	COMB2	268,7027	39-1	0,43214
39	0,86429	COMB2	144,0681	39-1	0,86429
39	0,00000	COMB4	384,0000	39-1	0,00000
39	0,43214	COMB4	268,7027	39-1	0,43214
39	0,86429	COMB4	144,0681	39-1	0,86429
39	0,00000	COMB5	384,0000	39-1	0,00000
39	0,43214	COMB5	268,7027	39-1	0,43214
39	0,86429	COMB5	144,0681	39-1	0,86429
39	0,00000	COMB6	384,0000	39-1	0,00000
39	0,43214	COMB6	268,7027	39-1	0,43214
39	0,86429	COMB6	144,0681	39-1	0,86429
39	0,00000	COMB8	414,7200	39-1	0,00000
39	0,43214	COMB8	290,1990	39-1	0,43214
39	0,86429	COMB8	155,5936	39-1	0,86429
39	0,00000	COMB8bis	353,2800	39-1	0,00000
39	0,43214	COMB8bis	247,2065	39-1	0,43214
39	0,86429	COMB8bis	132,5427	39-1	0,86429
40	0,00000	COMB1	0,0000	40-1	0,00000
40	0,43214	COMB1	105,9599	40-1	0,43214
40	0,86429	COMB1	202,5824	40-1	0,86429
40	0,00000	COMB2	0,0000	40-1	0,00000
40	0,43214	COMB2	105,9599	40-1	0,43214
40	0,86429	COMB2	202,5824	40-1	0,86429
40	0,00000	COMB4	0,0000	40-1	0,00000
40	0,43214	COMB4	105,9599	40-1	0,43214
40	0,86429	COMB4	202,5824	40-1	0,86429
40	0,00000	COMB5	0,0000	40-1	0,00000
40	0,43214	COMB5	105,9599	40-1	0,43214
40	0,86429	COMB5	202,5824	40-1	0,86429
40	0,00000	COMB6	0,0000	40-1	0,00000
40	0,43214	COMB6	105,9599	40-1	0,43214
40	0,86429	COMB6	202,5824	40-1	0,86429
40	0,00000	COMB8	0,0000	40-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
40	0,43214	COMB8	114,4367	40-1	0,43214
40	0,86429	COMB8	218,7890	40-1	0,86429
40	0,00000	COMB8bis	0,0000	40-1	0,00000
40	0,43214	COMB8bis	97,4831	40-1	0,43214
40	0,86429	COMB8bis	186,3758	40-1	0,86429
41	0,00000	COMB1	256,0000	41-1	0,00000
41	0,43214	COMB1	140,7027	41-1	0,43214
41	0,86429	COMB1	16,0681	41-1	0,86429
41	0,00000	COMB2	256,0000	41-1	0,00000
41	0,43214	COMB2	140,7027	41-1	0,43214
41	0,86429	COMB2	16,0681	41-1	0,86429
41	0,00000	COMB4	256,0000	41-1	0,00000
41	0,43214	COMB4	140,7027	41-1	0,43214
41	0,86429	COMB4	16,0681	41-1	0,86429
41	0,00000	COMB5	256,0000	41-1	0,00000
41	0,43214	COMB5	140,7027	41-1	0,43214
41	0,86429	COMB5	16,0681	41-1	0,86429
41	0,00000	COMB6	256,0000	41-1	0,00000
41	0,43214	COMB6	140,7027	41-1	0,43214
41	0,86429	COMB6	16,0681	41-1	0,86429
41	0,00000	COMB8	276,4800	41-1	0,00000
41	0,43214	COMB8	151,9590	41-1	0,43214
41	0,86429	COMB8	17,3536	41-1	0,86429
41	0,00000	COMB8bis	235,5200	41-1	0,00000
41	0,43214	COMB8bis	129,4465	41-1	0,43214
41	0,86429	COMB8bis	14,7827	41-1	0,86429
42	0,00000	COMB1	-512,0000	42-1	0,00000
42	0,43214	COMB1	-627,2973	42-1	0,43214
42	0,86429	COMB1	-751,9319	42-1	0,86429
42	0,00000	COMB2	-512,0000	42-1	0,00000
42	0,43214	COMB2	-627,2973	42-1	0,43214
42	0,86429	COMB2	-751,9319	42-1	0,86429
42	0,00000	COMB4	-512,0000	42-1	0,00000
42	0,43214	COMB4	-627,2973	42-1	0,43214
42	0,86429	COMB4	-751,9319	42-1	0,86429
42	0,00000	COMB5	-512,0000	42-1	0,00000
42	0,43214	COMB5	-627,2973	42-1	0,43214
42	0,86429	COMB5	-751,9319	42-1	0,86429
42	0,00000	COMB6	-512,0000	42-1	0,00000
42	0,43214	COMB6	-627,2973	42-1	0,43214
42	0,86429	COMB6	-751,9319	42-1	0,86429
42	0,00000	COMB8	-552,9600	42-1	0,00000
42	0,43214	COMB8	-677,4810	42-1	0,43214
42	0,86429	COMB8	-812,0864	42-1	0,86429
42	0,00000	COMB8bis	-471,0400	42-1	0,00000
42	0,43214	COMB8bis	-577,1135	42-1	0,43214
42	0,86429	COMB8bis	-691,7773	42-1	0,86429
43	0,00000	COMB1	-512,0000	43-1	0,00000
43	0,43214	COMB1	-959,1830	43-1	0,43214
43	0,86429	COMB1	-1415,7033	43-1	0,86429
43	0,00000	COMB2	-512,0000	43-1	0,00000
43	0,43214	COMB2	-959,1830	43-1	0,43214
43	0,86429	COMB2	-1415,7033	43-1	0,86429
43	0,00000	COMB4	-512,0000	43-1	0,00000
43	0,43214	COMB4	-959,1830	43-1	0,43214

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
43	0,86429	COMB4	-1415,7033	43-1	0,86429
43	0,00000	COMB5	-512,0000	43-1	0,00000
43	0,43214	COMB5	-959,1830	43-1	0,43214
43	0,86429	COMB5	-1415,7033	43-1	0,86429
43	0,00000	COMB6	-512,0000	43-1	0,00000
43	0,43214	COMB6	-959,1830	43-1	0,43214
43	0,86429	COMB6	-1415,7033	43-1	0,86429
43	0,00000	COMB8	-552,9600	43-1	0,00000
43	0,43214	COMB8	-1035,9176	43-1	0,43214
43	0,86429	COMB8	-1528,9596	43-1	0,86429
43	0,00000	COMB8bis	-471,0400	43-1	0,00000
43	0,43214	COMB8bis	-882,4483	43-1	0,43214
43	0,86429	COMB8bis	-1302,4471	43-1	0,86429
44	0,00000	COMB1	-1792,0000	44-1	0,00000
44	0,45415	COMB1	-1564,6294	44-1	0,45415
44	0,90831	COMB1	-1347,5717	44-1	0,90831
44	0,00000	COMB2	-1792,0000	44-1	0,00000
44	0,45415	COMB2	-1564,6294	44-1	0,45415
44	0,90831	COMB2	-1347,5717	44-1	0,90831
44	0,00000	COMB4	-1792,0000	44-1	0,00000
44	0,45415	COMB4	-1564,6294	44-1	0,45415
44	0,90831	COMB4	-1347,5717	44-1	0,90831
44	0,00000	COMB5	-1792,0000	44-1	0,00000
44	0,45415	COMB5	-1564,6294	44-1	0,45415
44	0,90831	COMB5	-1347,5717	44-1	0,90831
44	0,00000	COMB6	-1792,0000	44-1	0,00000
44	0,45415	COMB6	-1564,6294	44-1	0,45415
44	0,90831	COMB6	-1347,5717	44-1	0,90831
44	0,00000	COMB8	-1935,3600	44-1	0,00000
44	0,45415	COMB8	-1689,7998	44-1	0,45415
44	0,90831	COMB8	-1455,3774	44-1	0,90831
44	0,00000	COMB8bis	-1648,6400	44-1	0,00000
44	0,45415	COMB8bis	-1439,4591	44-1	0,45415
44	0,90831	COMB8bis	-1239,7659	44-1	0,90831
45	0,00000	COMB1	-1792,0000	45-1	0,00000
45	0,45415	COMB1	-1797,1564	45-1	0,45415
45	0,90831	COMB1	-1812,6256	45-1	0,90831
45	0,00000	COMB2	-1792,0000	45-1	0,00000
45	0,45415	COMB2	-1797,1564	45-1	0,45415
45	0,90831	COMB2	-1812,6256	45-1	0,90831
45	0,00000	COMB4	-1792,0000	45-1	0,00000
45	0,45415	COMB4	-1797,1564	45-1	0,45415
45	0,90831	COMB4	-1812,6256	45-1	0,90831
45	0,00000	COMB5	-1792,0000	45-1	0,00000
45	0,45415	COMB5	-1797,1564	45-1	0,45415
45	0,90831	COMB5	-1812,6256	45-1	0,90831
45	0,00000	COMB6	-1792,0000	45-1	0,00000
45	0,45415	COMB6	-1797,1564	45-1	0,45415
45	0,90831	COMB6	-1812,6256	45-1	0,90831
45	0,00000	COMB8	-1935,3600	45-1	0,00000
45	0,45415	COMB8	-1940,9289	45-1	0,45415
45	0,90831	COMB8	-1957,6357	45-1	0,90831
45	0,00000	COMB8bis	-1648,6400	45-1	0,00000
45	0,45415	COMB8bis	-1653,3839	45-1	0,45415
45	0,90831	COMB8bis	-1667,6156	45-1	0,90831

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
46	0,00000	COMB1	-1792,0000	46-1	0,00000
46	0,45415	COMB1	-1797,1564	46-1	0,45415
46	0,90831	COMB1	-1812,6256	46-1	0,90831
46	0,00000	COMB2	-1792,0000	46-1	0,00000
46	0,45415	COMB2	-1797,1564	46-1	0,45415
46	0,90831	COMB2	-1812,6256	46-1	0,90831
46	0,00000	COMB4	-1792,0000	46-1	0,00000
46	0,45415	COMB4	-1797,1564	46-1	0,45415
46	0,90831	COMB4	-1812,6256	46-1	0,90831
46	0,00000	COMB5	-1792,0000	46-1	0,00000
46	0,45415	COMB5	-1797,1564	46-1	0,45415
46	0,90831	COMB5	-1812,6256	46-1	0,90831
46	0,00000	COMB6	-1792,0000	46-1	0,00000
46	0,45415	COMB6	-1797,1564	46-1	0,45415
46	0,90831	COMB6	-1812,6256	46-1	0,90831
46	0,00000	COMB8	-1935,3600	46-1	0,00000
46	0,45415	COMB8	-1940,9289	46-1	0,45415
46	0,90831	COMB8	-1957,6357	46-1	0,90831
46	0,00000	COMB8bis	-1648,6400	46-1	0,00000
46	0,45415	COMB8bis	-1653,3839	46-1	0,45415
46	0,90831	COMB8bis	-1667,6156	46-1	0,90831
47	0,00000	COMB1	-512,0000	47-1	0,00000
47	0,45415	COMB1	-517,1564	47-1	0,45415
47	0,90831	COMB1	-532,6256	47-1	0,90831
47	0,00000	COMB2	-512,0000	47-1	0,00000
47	0,45415	COMB2	-517,1564	47-1	0,45415
47	0,90831	COMB2	-532,6256	47-1	0,90831
47	0,00000	COMB4	-512,0000	47-1	0,00000
47	0,45415	COMB4	-517,1564	47-1	0,45415
47	0,90831	COMB4	-532,6256	47-1	0,90831
47	0,00000	COMB5	-512,0000	47-1	0,00000
47	0,45415	COMB5	-517,1564	47-1	0,45415
47	0,90831	COMB5	-532,6256	47-1	0,90831
47	0,00000	COMB6	-512,0000	47-1	0,00000
47	0,45415	COMB6	-517,1564	47-1	0,45415
47	0,90831	COMB6	-532,6256	47-1	0,90831
47	0,00000	COMB8	-552,9600	47-1	0,00000
47	0,45415	COMB8	-558,5289	47-1	0,45415
47	0,90831	COMB8	-575,2357	47-1	0,90831
47	0,00000	COMB8bis	-471,0400	47-1	0,00000
47	0,45415	COMB8bis	-475,7839	47-1	0,45415
47	0,90831	COMB8bis	-490,0156	47-1	0,90831
48	0,00000	COMB1	512,0000	48-1	0,00000
48	0,45415	COMB1	274,3166	48-1	0,45415
48	0,90831	COMB1	26,3205	48-1	0,90831
48	0,00000	COMB2	512,0000	48-1	0,00000
48	0,45415	COMB2	274,3166	48-1	0,45415
48	0,90831	COMB2	26,3205	48-1	0,90831
48	0,00000	COMB4	512,0000	48-1	0,00000
48	0,45415	COMB4	274,3166	48-1	0,45415
48	0,90831	COMB4	26,3205	48-1	0,90831
48	0,00000	COMB5	512,0000	48-1	0,00000
48	0,45415	COMB5	274,3166	48-1	0,45415
48	0,90831	COMB5	26,3205	48-1	0,90831
48	0,00000	COMB6	512,0000	48-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
48	0,45415	COMB6	274,3166	48-1	0,45415
48	0,90831	COMB6	26,3205	48-1	0,90831
48	0,00000	COMB8	552,9600	48-1	0,00000
48	0,45415	COMB8	296,2620	48-1	0,45415
48	0,90831	COMB8	28,4261	48-1	0,90831
48	0,00000	COMB8bis	471,0400	48-1	0,00000
48	0,45415	COMB8bis	252,3713	48-1	0,45415
48	0,90831	COMB8bis	24,2148	48-1	0,90831
49	0,00000	COMB1	-384,0000	49-1	0,00000
49	0,34475	COMB1	-122,2025	49-1	0,34475
49	0,68950	COMB1	133,6523	49-1	0,68950
49	1,03425	COMB1	383,5644	49-1	1,03425
49	0,00000	COMB2	-384,0000	49-1	0,00000
49	0,34475	COMB2	-122,2025	49-1	0,34475
49	0,68950	COMB2	133,6523	49-1	0,68950
49	1,03425	COMB2	383,5644	49-1	1,03425
49	0,00000	COMB4	-384,0000	49-1	0,00000
49	0,34475	COMB4	-122,2025	49-1	0,34475
49	0,68950	COMB4	133,6523	49-1	0,68950
49	1,03425	COMB4	383,5644	49-1	1,03425
49	0,00000	COMB5	-384,0000	49-1	0,00000
49	0,34475	COMB5	-122,2025	49-1	0,34475
49	0,68950	COMB5	133,6523	49-1	0,68950
49	1,03425	COMB5	383,5644	49-1	1,03425
49	0,00000	COMB6	-384,0000	49-1	0,00000
49	0,34475	COMB6	-122,2025	49-1	0,34475
49	0,68950	COMB6	133,6523	49-1	0,68950
49	1,03425	COMB6	383,5644	49-1	1,03425
49	0,00000	COMB8	-414,7200	49-1	0,00000
49	0,34475	COMB8	-131,9787	49-1	0,34475
49	0,68950	COMB8	144,3445	49-1	0,68950
49	1,03425	COMB8	414,2496	49-1	1,03425
49	0,00000	COMB8bis	-353,2800	49-1	0,00000
49	0,34475	COMB8bis	-112,4263	49-1	0,34475
49	0,68950	COMB8bis	122,9601	49-1	0,68950
49	1,03425	COMB8bis	352,8793	49-1	1,03425
50	0,00000	COMB1	128,0000	50-1	0,00000
50	0,34475	COMB1	389,7975	50-1	0,34475
50	0,68950	COMB1	645,6523	50-1	0,68950
50	1,03425	COMB1	895,5644	50-1	1,03425
50	0,00000	COMB2	128,0000	50-1	0,00000
50	0,34475	COMB2	389,7975	50-1	0,34475
50	0,68950	COMB2	645,6523	50-1	0,68950
50	1,03425	COMB2	895,5644	50-1	1,03425
50	0,00000	COMB4	128,0000	50-1	0,00000
50	0,34475	COMB4	389,7975	50-1	0,34475
50	0,68950	COMB4	645,6523	50-1	0,68950
50	1,03425	COMB4	895,5644	50-1	1,03425
50	0,00000	COMB5	128,0000	50-1	0,00000
50	0,34475	COMB5	389,7975	50-1	0,34475
50	0,68950	COMB5	645,6523	50-1	0,68950
50	1,03425	COMB5	895,5644	50-1	1,03425
50	0,00000	COMB6	128,0000	50-1	0,00000
50	0,34475	COMB6	389,7975	50-1	0,34475
50	0,68950	COMB6	645,6523	50-1	0,68950

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
50	1,03425	COMB6	895,5644	50-1	1,03425
50	0,00000	COMB8	138,2400	50-1	0,00000
50	0,34475	COMB8	420,9813	50-1	0,34475
50	0,68950	COMB8	697,3045	50-1	0,68950
50	1,03425	COMB8	967,2096	50-1	1,03425
50	0,00000	COMB8bis	117,7600	50-1	0,00000
50	0,34475	COMB8bis	358,6137	50-1	0,34475
50	0,68950	COMB8bis	594,0001	50-1	0,68950
50	1,03425	COMB8bis	823,9193	50-1	1,03425
51	0,00000	COMB1	896,0000	51-1	0,00000
51	0,34475	COMB1	1069,5412	51-1	0,34475
51	0,68950	COMB1	1237,1397	51-1	0,68950
51	1,03425	COMB1	1398,7956	51-1	1,03425
51	0,00000	COMB2	896,0000	51-1	0,00000
51	0,34475	COMB2	1069,5412	51-1	0,34475
51	0,68950	COMB2	1237,1397	51-1	0,68950
51	1,03425	COMB2	1398,7956	51-1	1,03425
51	0,00000	COMB4	896,0000	51-1	0,00000
51	0,34475	COMB4	1069,5412	51-1	0,34475
51	0,68950	COMB4	1237,1397	51-1	0,68950
51	1,03425	COMB4	1398,7956	51-1	1,03425
51	0,00000	COMB5	896,0000	51-1	0,00000
51	0,34475	COMB5	1069,5412	51-1	0,34475
51	0,68950	COMB5	1237,1397	51-1	0,68950
51	1,03425	COMB5	1398,7956	51-1	1,03425
51	0,00000	COMB6	896,0000	51-1	0,00000
51	0,34475	COMB6	1069,5412	51-1	0,34475
51	0,68950	COMB6	1237,1397	51-1	0,68950
51	1,03425	COMB6	1398,7956	51-1	1,03425
51	0,00000	COMB8	967,6800	51-1	0,00000
51	0,34475	COMB8	1155,1045	51-1	0,34475
51	0,68950	COMB8	1336,1109	51-1	0,68950
51	1,03425	COMB8	1510,6993	51-1	1,03425
51	0,00000	COMB8bis	824,3200	51-1	0,00000
51	0,34475	COMB8bis	983,9779	51-1	0,34475
51	0,68950	COMB8bis	1138,1686	51-1	0,68950
51	1,03425	COMB8bis	1286,8920	51-1	1,03425
52	0,00000	COMB1	1280,0000	52-1	0,00000
52	0,34475	COMB1	1541,7975	52-1	0,34475
52	0,68950	COMB1	1797,6523	52-1	0,68950
52	1,03425	COMB1	2047,5644	52-1	1,03425
52	0,00000	COMB2	1280,0000	52-1	0,00000
52	0,34475	COMB2	1541,7975	52-1	0,34475
52	0,68950	COMB2	1797,6523	52-1	0,68950
52	1,03425	COMB2	2047,5644	52-1	1,03425
52	0,00000	COMB4	1280,0000	52-1	0,00000
52	0,34475	COMB4	1541,7975	52-1	0,34475
52	0,68950	COMB4	1797,6523	52-1	0,68950
52	1,03425	COMB4	2047,5644	52-1	1,03425
52	0,00000	COMB5	1280,0000	52-1	0,00000
52	0,34475	COMB5	1541,7975	52-1	0,34475
52	0,68950	COMB5	1797,6523	52-1	0,68950
52	1,03425	COMB5	2047,5644	52-1	1,03425
52	0,00000	COMB6	1280,0000	52-1	0,00000
52	0,34475	COMB6	1541,7975	52-1	0,34475

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
52	0,68950	COMB6	1797,6523	52-1	0,68950
52	1,03425	COMB6	2047,5644	52-1	1,03425
52	0,00000	COMB8	1382,4000	52-1	0,00000
52	0,34475	COMB8	1665,1413	52-1	0,34475
52	0,68950	COMB8	1941,4645	52-1	0,68950
52	1,03425	COMB8	2211,3696	52-1	1,03425
52	0,00000	COMB8bis	1177,6000	52-1	0,00000
52	0,34475	COMB8bis	1418,4537	52-1	0,34475
52	0,68950	COMB8bis	1653,8401	52-1	0,68950
52	1,03425	COMB8bis	1883,7593	52-1	1,03425
53	0,00000	COMB1	2176,0000	53-1	0,00000
53	0,34475	COMB1	2261,2849	53-1	0,34475
53	0,68950	COMB1	2340,6272	53-1	0,68950
53	1,03425	COMB1	2414,0268	53-1	1,03425
53	0,00000	COMB2	2176,0000	53-1	0,00000
53	0,34475	COMB2	2261,2849	53-1	0,34475
53	0,68950	COMB2	2340,6272	53-1	0,68950
53	1,03425	COMB2	2414,0268	53-1	1,03425
53	0,00000	COMB4	2176,0000	53-1	0,00000
53	0,34475	COMB4	2261,2849	53-1	0,34475
53	0,68950	COMB4	2340,6272	53-1	0,68950
53	1,03425	COMB4	2414,0268	53-1	1,03425
53	0,00000	COMB5	2176,0000	53-1	0,00000
53	0,34475	COMB5	2261,2849	53-1	0,34475
53	0,68950	COMB5	2340,6272	53-1	0,68950
53	1,03425	COMB5	2414,0268	53-1	1,03425
53	0,00000	COMB6	2176,0000	53-1	0,00000
53	0,34475	COMB6	2261,2849	53-1	0,34475
53	0,68950	COMB6	2340,6272	53-1	0,68950
53	1,03425	COMB6	2414,0268	53-1	1,03425
53	0,00000	COMB8	2350,0800	53-1	0,00000
53	0,34475	COMB8	2442,1877	53-1	0,34475
53	0,68950	COMB8	2527,8774	53-1	0,68950
53	1,03425	COMB8	2607,1490	53-1	1,03425
53	0,00000	COMB8bis	2001,9200	53-1	0,00000
53	0,34475	COMB8bis	2080,3821	53-1	0,34475
53	0,68950	COMB8bis	2153,3770	53-1	0,68950
53	1,03425	COMB8bis	2220,9047	53-1	1,03425
54	0,00000	COMB1	2304,0000	54-1	0,00000
54	0,34475	COMB1	2389,2849	54-1	0,34475
54	0,68950	COMB1	2468,6272	54-1	0,68950
54	1,03425	COMB1	2542,0268	54-1	1,03425
54	0,00000	COMB2	2304,0000	54-1	0,00000
54	0,34475	COMB2	2389,2849	54-1	0,34475
54	0,68950	COMB2	2468,6272	54-1	0,68950
54	1,03425	COMB2	2542,0268	54-1	1,03425
54	0,00000	COMB4	2304,0000	54-1	0,00000
54	0,34475	COMB4	2389,2849	54-1	0,34475
54	0,68950	COMB4	2468,6272	54-1	0,68950
54	1,03425	COMB4	2542,0268	54-1	1,03425
54	0,00000	COMB5	2304,0000	54-1	0,00000
54	0,34475	COMB5	2389,2849	54-1	0,34475
54	0,68950	COMB5	2468,6272	54-1	0,68950
54	1,03425	COMB5	2542,0268	54-1	1,03425
54	0,00000	COMB6	2304,0000	54-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
54	0,34475	COMB6	2389,2849	54-1	0,34475
54	0,68950	COMB6	2468,6272	54-1	0,68950
54	1,03425	COMB6	2542,0268	54-1	1,03425
54	0,00000	COMB8	2488,3200	54-1	0,00000
54	0,34475	COMB8	2580,4277	54-1	0,34475
54	0,68950	COMB8	2666,1174	54-1	0,68950
54	1,03425	COMB8	2745,3890	54-1	1,03425
54	0,00000	COMB8bis	2119,6800	54-1	0,00000
54	0,34475	COMB8bis	2198,1421	54-1	0,34475
54	0,68950	COMB8bis	2271,1370	54-1	0,68950
54	1,03425	COMB8bis	2338,6647	54-1	1,03425
55	0,00000	COMB1	2368,0000	55-1	0,00000
55	0,34475	COMB1	2232,6443	55-1	0,34475
55	0,68950	COMB1	2091,3459	55-1	0,68950
55	1,03425	COMB1	1944,1048	55-1	1,03425
55	0,00000	COMB2	2368,0000	55-1	0,00000
55	0,34475	COMB2	2232,6443	55-1	0,34475
55	0,68950	COMB2	2091,3459	55-1	0,68950
55	1,03425	COMB2	1944,1048	55-1	1,03425
55	0,00000	COMB4	2368,0000	55-1	0,00000
55	0,34475	COMB4	2232,6443	55-1	0,34475
55	0,68950	COMB4	2091,3459	55-1	0,68950
55	1,03425	COMB4	1944,1048	55-1	1,03425
55	0,00000	COMB5	2368,0000	55-1	0,00000
55	0,34475	COMB5	2232,6443	55-1	0,34475
55	0,68950	COMB5	2091,3459	55-1	0,68950
55	1,03425	COMB5	1944,1048	55-1	1,03425
55	0,00000	COMB6	2368,0000	55-1	0,00000
55	0,34475	COMB6	2232,6443	55-1	0,34475
55	0,68950	COMB6	2091,3459	55-1	0,68950
55	1,03425	COMB6	1944,1048	55-1	1,03425
55	0,00000	COMB8	2557,4400	55-1	0,00000
55	0,34475	COMB8	2411,2558	55-1	0,34475
55	0,68950	COMB8	2258,6535	55-1	0,68950
55	1,03425	COMB8	2099,6332	55-1	1,03425
55	0,00000	COMB8bis	2178,5600	55-1	0,00000
55	0,34475	COMB8bis	2054,0327	55-1	0,34475
55	0,68950	COMB8bis	1924,0382	55-1	0,68950
55	1,03425	COMB8bis	1788,5764	55-1	1,03425
56	0,00000	COMB1	1984,0000	56-1	0,00000
56	0,34475	COMB1	1848,6443	56-1	0,34475
56	0,68950	COMB1	1707,3459	56-1	0,68950
56	1,03425	COMB1	1560,1048	56-1	1,03425
56	0,00000	COMB2	1984,0000	56-1	0,00000
56	0,34475	COMB2	1848,6443	56-1	0,34475
56	0,68950	COMB2	1707,3459	56-1	0,68950
56	1,03425	COMB2	1560,1048	56-1	1,03425
56	0,00000	COMB4	1984,0000	56-1	0,00000
56	0,34475	COMB4	1848,6443	56-1	0,34475
56	0,68950	COMB4	1707,3459	56-1	0,68950
56	1,03425	COMB4	1560,1048	56-1	1,03425
56	0,00000	COMB5	1984,0000	56-1	0,00000
56	0,34475	COMB5	1848,6443	56-1	0,34475
56	0,68950	COMB5	1707,3459	56-1	0,68950
56	1,03425	COMB5	1560,1048	56-1	1,03425

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
56	0,00000	COMB6	1984,0000	56-1	0,00000
56	0,34475	COMB6	1848,6443	56-1	0,34475
56	0,68950	COMB6	1707,3459	56-1	0,68950
56	1,03425	COMB6	1560,1048	56-1	1,03425
56	0,00000	COMB8	2142,7200	56-1	0,00000
56	0,34475	COMB8	1996,5358	56-1	0,34475
56	0,68950	COMB8	1843,9335	56-1	0,68950
56	1,03425	COMB8	1684,9132	56-1	1,03425
56	0,00000	COMB8bis	1825,2800	56-1	0,00000
56	0,34475	COMB8bis	1700,7527	56-1	0,34475
56	0,68950	COMB8bis	1570,7582	56-1	0,68950
56	1,03425	COMB8bis	1435,2964	56-1	1,03425
57	0,00000	COMB1	1376,0000	57-1	0,00000
57	0,34475	COMB1	1240,6443	57-1	0,34475
57	0,68950	COMB1	1099,3459	57-1	0,68950
57	1,03425	COMB1	952,1048	57-1	1,03425
57	0,00000	COMB2	1376,0000	57-1	0,00000
57	0,34475	COMB2	1240,6443	57-1	0,34475
57	0,68950	COMB2	1099,3459	57-1	0,68950
57	1,03425	COMB2	952,1048	57-1	1,03425
57	0,00000	COMB4	1376,0000	57-1	0,00000
57	0,34475	COMB4	1240,6443	57-1	0,34475
57	0,68950	COMB4	1099,3459	57-1	0,68950
57	1,03425	COMB4	952,1048	57-1	1,03425
57	0,00000	COMB5	1376,0000	57-1	0,00000
57	0,34475	COMB5	1240,6443	57-1	0,34475
57	0,68950	COMB5	1099,3459	57-1	0,68950
57	1,03425	COMB5	952,1048	57-1	1,03425
57	0,00000	COMB6	1376,0000	57-1	0,00000
57	0,34475	COMB6	1240,6443	57-1	0,34475
57	0,68950	COMB6	1099,3459	57-1	0,68950
57	1,03425	COMB6	952,1048	57-1	1,03425
57	0,00000	COMB8	1486,0800	57-1	0,00000
57	0,34475	COMB8	1339,8958	57-1	0,34475
57	0,68950	COMB8	1187,2935	57-1	0,68950
57	1,03425	COMB8	1028,2732	57-1	1,03425
57	0,00000	COMB8bis	1265,9200	57-1	0,00000
57	0,34475	COMB8bis	1141,3927	57-1	0,34475
57	0,68950	COMB8bis	1011,3982	57-1	0,68950
57	1,03425	COMB8bis	875,9364	57-1	1,03425
58	0,00000	COMB1	1088,0000	58-1	0,00000
58	0,34475	COMB1	996,7724	58-1	0,34475
58	0,68950	COMB1	899,6021	58-1	0,68950
58	1,03425	COMB1	796,4892	58-1	1,03425
58	0,00000	COMB2	1088,0000	58-1	0,00000
58	0,34475	COMB2	996,7724	58-1	0,34475
58	0,68950	COMB2	899,6021	58-1	0,68950
58	1,03425	COMB2	796,4892	58-1	1,03425
58	0,00000	COMB4	1088,0000	58-1	0,00000
58	0,34475	COMB4	996,7724	58-1	0,34475
58	0,68950	COMB4	899,6021	58-1	0,68950
58	1,03425	COMB4	796,4892	58-1	1,03425
58	0,00000	COMB5	1088,0000	58-1	0,00000
58	0,34475	COMB5	996,7724	58-1	0,34475
58	0,68950	COMB5	899,6021	58-1	0,68950

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
58	1,03425	COMB5	796,4892	58-1	1,03425
58	0,00000	COMB6	1088,0000	58-1	0,00000
58	0,34475	COMB6	996,7724	58-1	0,34475
58	0,68950	COMB6	899,6021	58-1	0,68950
58	1,03425	COMB6	796,4892	58-1	1,03425
58	0,00000	COMB8	1175,0400	58-1	0,00000
58	0,34475	COMB8	1076,5142	58-1	0,34475
58	0,68950	COMB8	971,5703	58-1	0,68950
58	1,03425	COMB8	860,2083	58-1	1,03425
58	0,00000	COMB8bis	1000,9600	58-1	0,00000
58	0,34475	COMB8bis	917,0306	58-1	0,34475
58	0,68950	COMB8bis	827,6340	58-1	0,68950
58	1,03425	COMB8bis	732,7701	58-1	1,03425
59	0,00000	COMB1	784,0000	59-1	0,00000
59	0,34475	COMB1	670,7083	59-1	0,34475
59	0,68950	COMB1	551,4740	59-1	0,68950
59	1,03425	COMB1	426,2970	59-1	1,03425
59	0,00000	COMB2	784,0000	59-1	0,00000
59	0,34475	COMB2	670,7083	59-1	0,34475
59	0,68950	COMB2	551,4740	59-1	0,68950
59	1,03425	COMB2	426,2970	59-1	1,03425
59	0,00000	COMB4	784,0000	59-1	0,00000
59	0,34475	COMB4	670,7083	59-1	0,34475
59	0,68950	COMB4	551,4740	59-1	0,68950
59	1,03425	COMB4	426,2970	59-1	1,03425
59	0,00000	COMB5	784,0000	59-1	0,00000
59	0,34475	COMB5	670,7083	59-1	0,34475
59	0,68950	COMB5	551,4740	59-1	0,68950
59	1,03425	COMB5	426,2970	59-1	1,03425
59	0,00000	COMB6	784,0000	59-1	0,00000
59	0,34475	COMB6	670,7083	59-1	0,34475
59	0,68950	COMB6	551,4740	59-1	0,68950
59	1,03425	COMB6	426,2970	59-1	1,03425
59	0,00000	COMB8	846,7200	59-1	0,00000
59	0,34475	COMB8	724,3650	59-1	0,34475
59	0,68950	COMB8	595,5919	59-1	0,68950
59	1,03425	COMB8	460,4008	59-1	1,03425
59	0,00000	COMB8bis	721,2800	59-1	0,00000
59	0,34475	COMB8bis	617,0517	59-1	0,34475
59	0,68950	COMB8bis	507,3561	59-1	0,68950
59	1,03425	COMB8bis	392,1932	59-1	1,03425
60	0,00000	COMB1	396,0000	60-1	0,00000
60	0,34475	COMB1	194,4521	60-1	0,34475
60	0,68950	COMB1	-13,0385	60-1	0,68950
60	1,03425	COMB1	-226,4718	60-1	1,03425
60	0,00000	COMB2	396,0000	60-1	0,00000
60	0,34475	COMB2	194,4521	60-1	0,34475
60	0,68950	COMB2	-13,0385	60-1	0,68950
60	1,03425	COMB2	-226,4718	60-1	1,03425
60	0,00000	COMB4	396,0000	60-1	0,00000
60	0,34475	COMB4	194,4521	60-1	0,34475
60	0,68950	COMB4	-13,0385	60-1	0,68950
60	1,03425	COMB4	-226,4718	60-1	1,03425
60	0,00000	COMB5	396,0000	60-1	0,00000
60	0,34475	COMB5	194,4521	60-1	0,34475

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
60	0,68950	COMB5	-13,0385	60-1	0,68950
60	1,03425	COMB5	-226,4718	60-1	1,03425
60	0,00000	COMB6	396,0000	60-1	0,00000
60	0,34475	COMB6	194,4521	60-1	0,34475
60	0,68950	COMB6	-13,0385	60-1	0,68950
60	1,03425	COMB6	-226,4718	60-1	1,03425
60	0,00000	COMB8	427,6800	60-1	0,00000
60	0,34475	COMB8	210,0082	60-1	0,34475
60	0,68950	COMB8	-14,0816	60-1	0,68950
60	1,03425	COMB8	-244,5895	60-1	1,03425
60	0,00000	COMB8bis	364,3200	60-1	0,00000
60	0,34475	COMB8bis	178,8959	60-1	0,34475
60	0,68950	COMB8bis	-11,9955	60-1	0,68950
60	1,03425	COMB8bis	-208,3541	60-1	1,03425
94	0,40000	COMB1	-304,1572	94-1	0,40000
94	0,76250	COMB1	-247,1656	94-1	0,76250
94	1,12500	COMB1	-197,3134	94-1	1,12500
94	0,40000	COMB2	-196,0577	94-1	0,40000
94	0,76250	COMB2	-149,0935	94-1	0,76250
94	1,12500	COMB2	-109,2685	94-1	1,12500
94	0,40000	COMB4	-965,3870	94-1	0,40000
94	0,76250	COMB4	-838,1193	94-1	0,76250
94	1,12500	COMB4	-717,9909	94-1	1,12500
94	0,40000	COMB5	-857,2876	94-1	0,40000
94	0,76250	COMB5	-740,0471	94-1	0,76250
94	1,12500	COMB5	-629,9460	94-1	1,12500
94	0,40000	COMB6	-199,5708	94-1	0,40000
94	0,76250	COMB6	-151,7967	94-1	0,76250
94	1,12500	COMB6	-111,5789	94-1	1,12500
94	0,40000	COMB8	-929,8251	94-1	0,40000
94	0,76250	COMB8	-804,2656	94-1	0,76250
94	1,12500	COMB8	-686,2624	94-1	1,12500
94	0,40000	COMB8bis	-791,7761	94-1	0,40000
94	0,76250	COMB8bis	-681,2351	94-1	0,76250
94	1,12500	COMB8bis	-578,2504	94-1	1,12500
95	0,00000	COMB1	-197,3134	95-1	0,00000
95	0,37500	COMB1	-153,7122	95-1	0,37500
95	0,75000	COMB1	-118,5151	95-1	0,75000
95	1,12500	COMB1	-91,9823	95-1	1,12500
95	0,00000	COMB2	-109,2685	95-1	0,00000
95	0,37500	COMB2	-76,0405	95-1	0,37500
95	0,75000	COMB2	-51,2165	95-1	0,75000
95	1,12500	COMB2	-35,0568	95-1	1,12500
95	0,00000	COMB4	-717,9909	95-1	0,00000
95	0,37500	COMB4	-601,6902	95-1	0,37500
95	0,75000	COMB4	-493,7936	95-1	0,75000
95	1,12500	COMB4	-394,5613	95-1	1,12500
95	0,00000	COMB5	-629,9460	95-1	0,00000
95	0,37500	COMB5	-524,0185	95-1	0,37500
95	0,75000	COMB5	-426,4950	95-1	0,75000
95	1,12500	COMB5	-337,6358	95-1	1,12500
95	0,00000	COMB6	-111,5789	95-1	0,00000
95	0,37500	COMB6	-78,4016	95-1	0,37500
95	0,75000	COMB6	-54,1050	95-1	0,75000
95	1,12500	COMB6	-38,9600	95-1	1,12500

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
95	0,00000	COMB8	-686,2624	95-1	0,00000
95	0,37500	COMB8	-572,6174	95-1	0,37500
95	0,75000	COMB8	-467,8531	95-1	0,75000
95	1,12500	COMB8	-372,2404	95-1	1,12500
95	0,00000	COMB8bis	-578,2504	95-1	0,00000
95	0,37500	COMB8bis	-480,1418	95-1	0,37500
95	0,75000	COMB8bis	-390,9139	95-1	0,75000
95	1,12500	COMB8bis	-310,8376	95-1	1,12500
96	0,00000	COMB1	-91,9823	96-1	0,00000
96	0,37500	COMB1	-74,3743	96-1	0,37500
96	0,75000	COMB1	-65,9514	96-1	0,75000
96	1,12500	COMB1	-66,9741	96-1	1,12500
96	0,00000	COMB2	-35,0568	96-1	0,00000
96	0,37500	COMB2	-27,8219	96-1	0,37500
96	0,75000	COMB2	-29,7721	96-1	0,75000
96	1,12500	COMB2	-41,1679	96-1	1,12500
96	0,00000	COMB4	-394,5613	96-1	0,00000
96	0,37500	COMB4	-304,2538	96-1	0,37500
96	0,75000	COMB4	-223,1315	96-1	0,75000
96	1,12500	COMB4	-151,4547	96-1	1,12500
96	0,00000	COMB5	-337,6358	96-1	0,00000
96	0,37500	COMB5	-257,7014	96-1	0,37500
96	0,75000	COMB5	-186,9521	96-1	0,75000
96	1,12500	COMB5	-125,6484	96-1	1,12500
96	0,00000	COMB6	-38,9600	96-1	0,00000
96	0,37500	COMB6	-33,2374	96-1	0,37500
96	0,75000	COMB6	-37,2080	96-1	0,75000
96	1,12500	COMB6	-51,1425	96-1	1,12500
96	0,00000	COMB8	-372,2404	96-1	0,00000
96	0,37500	COMB8	-286,0501	96-1	0,37500
96	0,75000	COMB8	-209,5529	96-1	0,75000
96	1,12500	COMB8	-143,0198	96-1	1,12500
96	0,00000	COMB8bis	-310,8376	96-1	0,00000
96	0,37500	COMB8bis	-240,1837	96-1	0,37500
96	0,75000	COMB8bis	-179,2230	96-1	0,75000
96	1,12500	COMB8bis	-128,2263	96-1	1,12500
97	0,00000	COMB1	-66,9741	97-1	0,00000
97	0,37500	COMB1	-77,7463	97-1	0,37500
97	0,75000	COMB1	-98,7456	97-1	0,75000
97	1,12500	COMB1	-130,4933	97-1	1,12500
97	0,00000	COMB2	-41,1679	97-1	0,00000
97	0,37500	COMB2	-62,3131	97-1	0,37500
97	0,75000	COMB2	-93,6855	97-1	0,75000
97	1,12500	COMB2	-135,8063	97-1	1,12500
97	0,00000	COMB4	-151,4547	97-1	0,00000
97	0,37500	COMB4	-89,5273	97-1	0,37500
97	0,75000	COMB4	-37,8271	97-1	0,75000
97	1,12500	COMB4	3,1247	97-1	1,12500
97	0,00000	COMB5	-125,6484	97-1	0,00000
97	0,37500	COMB5	-74,0941	97-1	0,37500
97	0,75000	COMB5	-32,7670	97-1	0,75000
97	1,12500	COMB5	-2,1884	97-1	1,12500
97	0,00000	COMB6	-51,1425	97-1	0,00000
97	0,37500	COMB6	-75,3571	97-1	0,37500
97	0,75000	COMB6	-110,3486	97-1	0,75000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
97	1,12500	COMB6	-156,6591	97-1	1,12500
97	0,00000	COMB8	-143,0198	97-1	0,00000
97	0,37500	COMB8	-86,7667	97-1	0,37500
97	0,75000	COMB8	-41,2904	97-1	0,75000
97	1,12500	COMB8	-7,1332	97-1	1,12500
97	0,00000	COMB8bis	-128,2263	97-1	0,00000
97	0,37500	COMB8bis	-87,5096	97-1	0,37500
97	0,75000	COMB8bis	-57,5698	97-1	0,75000
97	1,12500	COMB8bis	-38,9489	97-1	1,12500
98	0,00000	COMB1	-152,8267	98-1	0,00000
98	0,33842	COMB1	-38,3342	98-1	0,33842
98	0,67684	COMB1	64,0407	98-1	0,67684
98	1,01526	COMB1	153,7124	98-1	1,01526
98	0,00000	COMB2	-158,1397	98-1	0,00000
98	0,33842	COMB2	-55,5704	98-1	0,33842
98	0,67684	COMB2	34,8812	98-1	0,67684
98	1,01526	COMB2	112,6298	98-1	1,01526
98	0,00000	COMB4	-19,2087	98-1	0,00000
98	0,33842	COMB4	78,6995	98-1	0,33842
98	0,67684	COMB4	164,4900	98-1	0,67684
98	1,01526	COMB4	237,5774	98-1	1,01526
98	0,00000	COMB5	-24,5218	98-1	0,00000
98	0,33842	COMB5	61,4633	98-1	0,33842
98	0,67684	COMB5	135,3306	98-1	0,67684
98	1,01526	COMB5	196,4948	98-1	1,01526
98	0,00000	COMB6	-178,9925	98-1	0,00000
98	0,33842	COMB6	-69,0471	98-1	0,33842
98	0,67684	COMB6	28,1813	98-1	0,67684
98	1,01526	COMB6	112,0840	98-1	1,01526
98	0,00000	COMB8	-31,2533	98-1	0,00000
98	0,33842	COMB8	60,1253	98-1	0,33842
98	0,67684	COMB8	138,7869	98-1	0,67684
98	1,01526	COMB8	204,1228	98-1	1,01526
98	0,00000	COMB8bis	-59,4957	98-1	0,00000
98	0,33842	COMB8bis	35,8478	98-1	0,33842
98	0,67684	COMB8bis	118,4744	98-1	0,67684
98	1,01526	COMB8bis	187,7753	98-1	1,01526
99	0,00000	COMB1	153,7124	99-1	0,00000
99	0,33842	COMB1	230,0957	99-1	0,33842
99	0,67684	COMB1	292,6114	99-1	0,67684
99	1,01526	COMB1	340,8203	99-1	1,01526
99	0,00000	COMB2	112,6298	99-1	0,00000
99	0,33842	COMB2	177,0899	99-1	0,33842
99	0,67684	COMB2	227,6823	99-1	0,67684
99	1,01526	COMB2	263,9681	99-1	1,01526
99	0,00000	COMB4	237,5774	99-1	0,00000
99	0,33842	COMB4	297,3765	99-1	0,33842
99	0,67684	COMB4	343,3078	99-1	0,67684
99	1,01526	COMB4	374,9324	99-1	1,01526
99	0,00000	COMB5	196,4948	99-1	0,00000
99	0,33842	COMB5	244,3706	99-1	0,33842
99	0,67684	COMB5	278,3787	99-1	0,67684
99	1,01526	COMB5	298,0802	99-1	1,01526
99	0,00000	COMB6	112,0840	99-1	0,00000
99	0,33842	COMB6	182,0522	99-1	0,33842

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
99	0,67684	COMB6	237,4835	99-1	0,67684
99	1,01526	COMB6	277,9213	99-1	1,01526
99	0,00000	COMB8	204,1228	99-1	0,00000
99	0,33842	COMB8	255,5243	99-1	0,33842
99	0,67684	COMB8	292,3888	99-1	0,67684
99	1,01526	COMB8	314,2598	99-1	1,01526
99	0,00000	COMB8bis	187,7753	99-1	0,00000
99	0,33842	COMB8bis	243,1417	99-1	0,33842
99	0,67684	COMB8bis	283,9711	99-1	0,67684
99	1,01526	COMB8bis	309,8070	99-1	1,01526
100	0,00000	COMB1	340,8203	100-1	0,00000
100	0,33842	COMB1	374,4238	100-1	0,33842
100	0,67684	COMB1	393,1290	100-1	0,67684
100	1,01526	COMB1	396,6434	100-1	1,01526
100	0,00000	COMB2	263,9681	100-1	0,00000
100	0,33842	COMB2	285,6483	100-1	0,33842
100	0,67684	COMB2	292,4304	100-1	0,67684
100	1,01526	COMB2	284,0216	100-1	1,01526
100	0,00000	COMB4	374,9324	100-1	0,00000
100	0,33842	COMB4	391,9515	100-1	0,33842
100	0,67684	COMB4	394,0725	100-1	0,67684
100	1,01526	COMB4	381,0026	100-1	1,01526
100	0,00000	COMB5	298,0802	100-1	0,00000
100	0,33842	COMB5	303,1761	100-1	0,33842
100	0,67684	COMB5	293,3738	100-1	0,67684
100	1,01526	COMB5	268,3807	100-1	1,01526
100	0,00000	COMB6	277,9213	100-1	0,00000
100	0,33842	COMB6	303,0548	100-1	0,33842
100	0,67684	COMB6	312,5798	100-1	0,67684
100	1,01526	COMB6	306,1917	100-1	1,01526
100	0,00000	COMB8	314,2598	100-1	0,00000
100	0,33842	COMB8	320,8265	100-1	0,33842
100	0,67684	COMB8	311,7846	100-1	0,67684
100	1,01526	COMB8	286,8297	100-1	1,01526
100	0,00000	COMB8bis	309,8070	100-1	0,00000
100	0,33842	COMB8bis	320,3387	100-1	0,33842
100	0,67684	COMB8bis	315,2618	100-1	0,67684
100	1,01526	COMB8bis	294,2719	100-1	1,01526
101	0,00000	COMB1	396,6434	101-1	0,00000
101	0,33842	COMB1	384,6743	101-1	0,33842
101	0,67684	COMB1	356,9290	101-1	0,67684
101	1,01526	COMB1	313,1147	101-1	1,01526
101	0,00000	COMB2	284,0216	101-1	0,00000
101	0,33842	COMB2	260,1292	101-1	0,33842
101	0,67684	COMB2	220,4607	101-1	0,67684
101	1,01526	COMB2	164,7233	101-1	1,01526
101	0,00000	COMB4	381,0026	101-1	0,00000
101	0,33842	COMB4	352,4491	101-1	0,33842
101	0,67684	COMB4	308,1195	101-1	0,67684
101	1,01526	COMB4	247,7209	101-1	1,01526
101	0,00000	COMB5	268,3807	101-1	0,00000
101	0,33842	COMB5	227,9041	101-1	0,33842
101	0,67684	COMB5	171,6512	101-1	0,67684
101	1,01526	COMB5	99,3295	101-1	1,01526
101	0,00000	COMB6	306,1917	101-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
101	0,33842	COMB6	283,5861	101-1	0,33842
101	0,67684	COMB6	244,4588	101-1	0,67684
101	1,01526	COMB6	188,5054	101-1	1,01526
101	0,00000	COMB8	286,8297	101-1	0,00000
101	0,33842	COMB8	245,6574	101-1	0,33842
101	0,67684	COMB8	187,9634	101-1	0,67684
101	1,01526	COMB8	113,4431	101-1	1,01526
101	0,00000	COMB8bis	294,2719	101-1	0,00000
101	0,33842	COMB8bis	257,0645	101-1	0,33842
101	0,67684	COMB8bis	203,3354	101-1	0,67684
101	1,01526	COMB8bis	132,7800	101-1	1,01526
102	0,00000	COMB1	313,1147	102-1	0,00000
102	0,33842	COMB1	252,9389	102-1	0,33842
102	0,67684	COMB1	176,1028	102-1	0,67684
102	1,01526	COMB1	82,1708	102-1	1,01526
102	0,00000	COMB2	164,7233	102-1	0,00000
102	0,33842	COMB2	92,6242	102-1	0,33842
102	0,67684	COMB2	3,8650	102-1	0,67684
102	1,01526	COMB2	-101,9903	102-1	1,01526
102	0,00000	COMB4	247,7209	102-1	0,00000
102	0,33842	COMB4	170,9608	102-1	0,33842
102	0,67684	COMB4	77,5404	102-1	0,67684
102	1,01526	COMB4	-32,9759	102-1	1,01526
102	0,00000	COMB5	99,3295	102-1	0,00000
102	0,33842	COMB5	10,6461	102-1	0,33842
102	0,67684	COMB5	-94,6974	102-1	0,67684
102	1,01526	COMB5	-217,1370	102-1	1,01526
102	0,00000	COMB6	188,5054	102-1	0,00000
102	0,33842	COMB6	115,4213	102-1	0,33842
102	0,67684	COMB6	24,8961	102-1	0,67684
102	1,01526	COMB6	-83,5235	102-1	1,01526
102	0,00000	COMB8	113,4431	102-1	0,00000
102	0,33842	COMB8	21,7922	102-1	0,33842
102	0,67684	COMB8	-87,2998	102-1	0,67684
102	1,01526	COMB8	-214,2861	102-1	1,01526
102	0,00000	COMB8bis	132,7800	102-1	0,00000
102	0,33842	COMB8bis	45,0941	102-1	0,33842
102	0,67684	COMB8bis	-60,0329	102-1	0,67684
102	1,01526	COMB8bis	-183,0543	102-1	1,01526
103	0,00000	COMB1	82,1708	103-1	0,00000
103	0,01526	COMB1	77,5241	103-1	0,01526
103	0,00000	COMB2	-101,9903	103-1	0,00000
103	0,01526	COMB2	-107,1745	103-1	0,01526
103	0,00000	COMB4	-32,9759	103-1	0,00000
103	0,01526	COMB4	-38,3703	103-1	0,01526
103	0,00000	COMB5	-217,1370	103-1	0,00000
103	0,01526	COMB5	-223,0689	103-1	0,01526
103	0,00000	COMB6	-83,5235	103-1	0,00000
103	0,01526	COMB6	-88,8425	103-1	0,01526
103	0,00000	COMB8	-214,2861	103-1	0,00000
103	0,01526	COMB8	-220,4422	103-1	0,01526
103	0,00000	COMB8bis	-183,0543	103-1	0,00000
103	0,01526	COMB8bis	-189,0316	103-1	0,01526
104	0,40000	COMB1	71,1528	104-1	0,40000
104	0,76250	COMB1	19,0072	104-1	0,76250

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
104	1,12500	COMB1	-33,1384	104-1	1,12500
104	0,40000	COMB2	184,2511	104-1	0,40000
104	0,76250	COMB2	137,5801	104-1	0,76250
104	1,12500	COMB2	97,0234	104-1	1,12500
104	0,40000	COMB4	729,7515	104-1	0,40000
104	0,76250	COMB4	606,9222	104-1	0,76250
104	1,12500	COMB4	484,0930	104-1	1,12500
104	0,40000	COMB5	842,8498	104-1	0,40000
104	0,76250	COMB5	725,4951	104-1	0,76250
104	1,12500	COMB5	614,2548	104-1	1,12500
104	0,40000	COMB6	178,7233	104-1	0,40000
104	0,76250	COMB6	128,2722	104-1	0,76250
104	1,12500	COMB6	83,8041	104-1	1,12500
104	0,40000	COMB8	906,1439	104-1	0,40000
104	0,76250	COMB8	777,4565	104-1	0,76250
104	1,12500	COMB8	654,7521	104-1	1,12500
104	0,40000	COMB8bis	768,5001	104-1	0,40000
104	0,76250	COMB8bis	654,9180	104-1	0,76250
104	1,12500	COMB8bis	547,3189	104-1	1,12500
105	0,00000	COMB1	-33,1384	105-1	0,00000
105	0,37500	COMB1	-52,8726	105-1	0,37500
105	0,75000	COMB1	-72,6068	105-1	0,75000
105	1,12500	COMB1	-92,3410	105-1	1,12500
105	0,00000	COMB2	97,0234	105-1	0,00000
105	0,37500	COMB2	66,0145	105-1	0,37500
105	0,75000	COMB2	42,3128	105-1	0,75000
105	1,12500	COMB2	26,1786	105-1	1,12500
105	0,00000	COMB4	484,0930	105-1	0,00000
105	0,37500	COMB4	391,4946	105-1	0,37500
105	0,75000	COMB4	298,8961	105-1	0,75000
105	1,12500	COMB4	206,2977	105-1	1,12500
105	0,00000	COMB5	614,2548	105-1	0,00000
105	0,37500	COMB5	510,3817	105-1	0,37500
105	0,75000	COMB5	413,8158	105-1	0,75000
105	1,12500	COMB5	324,8173	105-1	1,12500
105	0,00000	COMB6	83,8041	105-1	0,00000
105	0,37500	COMB6	51,8377	105-1	0,37500
105	0,75000	COMB6	27,0377	105-1	0,75000
105	1,12500	COMB6	9,6647	105-1	1,12500
105	0,00000	COMB8	654,7521	105-1	0,00000
105	0,37500	COMB8	542,1319	105-1	0,37500
105	0,75000	COMB8	436,6781	105-1	0,75000
105	1,12500	COMB8	338,6512	105-1	1,12500
105	0,00000	COMB8bis	547,3189	105-1	0,00000
105	0,37500	COMB8bis	450,2778	105-1	0,37500
105	0,75000	COMB8bis	360,4033	105-1	0,75000
105	1,12500	COMB8bis	277,9556	105-1	1,12500
106	0,00000	COMB1	-92,3410	106-1	0,00000
106	0,37500	COMB1	-75,3189	106-1	0,37500
106	0,75000	COMB1	-58,2967	106-1	0,75000
106	1,12500	COMB1	-41,2746	106-1	1,12500
106	0,00000	COMB2	26,1786	106-1	0,00000
106	0,37500	COMB2	21,8307	106-1	0,37500
106	0,75000	COMB2	25,5710	106-1	0,75000
106	1,12500	COMB2	37,6601	106-1	1,12500

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
106	0,00000	COMB4	206,2977	106-1	0,00000
106	0,37500	COMB4	150,9835	106-1	0,37500
106	0,75000	COMB4	95,6693	106-1	0,75000
106	1,12500	COMB4	40,3551	106-1	1,12500
106	0,00000	COMB5	324,8173	106-1	0,00000
106	0,37500	COMB5	248,1331	106-1	0,37500
106	0,75000	COMB5	179,5371	106-1	0,75000
106	1,12500	COMB5	119,2898	106-1	1,12500
106	0,00000	COMB6	9,6647	106-1	0,00000
106	0,37500	COMB6	7,3716	106-1	0,37500
106	0,75000	COMB6	13,0261	106-1	0,75000
106	1,12500	COMB6	26,8887	106-1	1,12500
106	0,00000	COMB8	338,6512	106-1	0,00000
106	0,37500	COMB8	256,2829	106-1	0,37500
106	0,75000	COMB8	181,8622	106-1	0,75000
106	1,12500	COMB8	115,6496	106-1	1,12500
106	0,00000	COMB8bis	277,9556	106-1	0,00000
106	0,37500	COMB8bis	211,0650	106-1	0,37500
106	0,75000	COMB8bis	152,1222	106-1	0,75000
106	1,12500	COMB8bis	101,3873	106-1	1,12500
107	0,00000	COMB1	-41,2746	107-1	0,00000
107	0,37500	COMB1	15,2026	107-1	0,37500
107	0,75000	COMB1	71,6797	107-1	0,75000
107	1,12500	COMB1	128,1569	107-1	1,12500
107	0,00000	COMB2	37,6601	107-1	0,00000
107	0,37500	COMB2	62,2341	107-1	0,37500
107	0,75000	COMB2	95,9384	107-1	0,75000
107	1,12500	COMB2	139,2943	107-1	1,12500
107	0,00000	COMB4	40,3551	107-1	0,00000
107	0,37500	COMB4	24,8168	107-1	0,37500
107	0,75000	COMB4	9,2785	107-1	0,75000
107	1,12500	COMB4	-6,2598	107-1	1,12500
107	0,00000	COMB5	119,2898	107-1	0,00000
107	0,37500	COMB5	71,8484	107-1	0,37500
107	0,75000	COMB5	33,5372	107-1	0,75000
107	1,12500	COMB5	4,8776	107-1	1,12500
107	0,00000	COMB6	26,8887	107-1	0,00000
107	0,37500	COMB6	56,7638	107-1	0,37500
107	0,75000	COMB6	95,6286	107-1	0,75000
107	1,12500	COMB6	144,0044	107-1	1,12500
107	0,00000	COMB8	115,6496	107-1	0,00000
107	0,37500	COMB8	65,7996	107-1	0,37500
107	0,75000	COMB8	24,9393	107-1	0,75000
107	1,12500	COMB8	-6,4101	107-1	1,12500
107	0,00000	COMB8bis	101,3873	107-1	0,00000
107	0,37500	COMB8bis	66,9566	107-1	0,37500
107	0,75000	COMB8bis	41,5155	107-1	0,75000
107	1,12500	COMB8bis	25,5854	107-1	1,12500
108	0,00000	COMB1	150,4903	108-1	0,00000
108	0,33842	COMB1	83,6911	108-1	0,33842
108	0,67684	COMB1	16,8919	108-1	0,67684
108	1,01526	COMB1	-49,9073	108-1	1,01526
108	0,00000	COMB2	161,6277	108-1	0,00000
108	0,33842	COMB2	62,2591	108-1	0,33842
108	0,67684	COMB2	-26,1136	108-1	0,67684

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
108	1,01526	COMB2	-102,9051	108-1	1,01526
108	0,00000	COMB4	16,0736	108-1	0,00000
108	0,33842	COMB4	-33,5386	108-1	0,33842
108	0,67684	COMB4	-83,1508	108-1	0,67684
108	1,01526	COMB4	-132,7629	108-1	1,01526
108	0,00000	COMB5	27,2110	108-1	0,00000
108	0,33842	COMB5	-54,9706	108-1	0,33842
108	0,67684	COMB5	-126,1563	108-1	0,67684
108	1,01526	COMB5	-185,7608	108-1	1,01526
108	0,00000	COMB6	166,3378	108-1	0,00000
108	0,33842	COMB6	61,7707	108-1	0,33842
108	0,67684	COMB6	-31,9151	108-1	0,67684
108	1,01526	COMB6	-114,1341	108-1	1,01526
108	0,00000	COMB8	17,7100	108-1	0,00000
108	0,33842	COMB8	-67,6379	108-1	0,33842
108	0,67684	COMB8	-142,1043	108-1	0,67684
108	1,01526	COMB8	-205,1040	108-1	1,01526
108	0,00000	COMB8bis	46,1321	108-1	0,00000
108	0,33842	COMB8bis	-43,2803	108-1	0,33842
108	0,67684	COMB8bis	-121,8113	108-1	0,67684
108	1,01526	COMB8bis	-188,8756	108-1	1,01526
109	0,00000	COMB1	-49,9073	109-1	0,00000
109	0,33842	COMB1	-80,4571	109-1	0,33842
109	0,67684	COMB1	-111,0069	109-1	0,67684
109	1,01526	COMB1	-141,5567	109-1	1,01526
109	0,00000	COMB2	-102,9051	109-1	0,00000
109	0,33842	COMB2	-164,8564	109-1	0,33842
109	0,67684	COMB2	-214,0618	109-1	0,67684
109	1,01526	COMB2	-250,0822	109-1	1,01526
109	0,00000	COMB4	-132,7629	109-1	0,00000
109	0,33842	COMB4	-146,2279	109-1	0,33842
109	0,67684	COMB4	-159,6929	109-1	0,67684
109	1,01526	COMB4	-173,1578	109-1	1,01526
109	0,00000	COMB5	-185,7608	109-1	0,00000
109	0,33842	COMB5	-230,6272	109-1	0,33842
109	0,67684	COMB5	-262,7477	109-1	0,67684
109	1,01526	COMB5	-281,6833	109-1	1,01526
109	0,00000	COMB6	-114,1341	109-1	0,00000
109	0,33842	COMB6	-178,2575	109-1	0,33842
109	0,67684	COMB6	-229,7496	109-1	0,67684
109	1,01526	COMB6	-268,1713	109-1	1,01526
109	0,00000	COMB8	-205,1040	109-1	0,00000
109	0,33842	COMB8	-250,1193	109-1	0,33842
109	0,67684	COMB8	-282,5032	109-1	0,67684
109	1,01526	COMB8	-301,8168	109-1	1,01526
109	0,00000	COMB8bis	-188,8756	109-1	0,00000
109	0,33842	COMB8bis	-237,9375	109-1	0,33842
109	0,67684	COMB8bis	-274,3680	109-1	0,67684
109	1,01526	COMB8bis	-297,7281	109-1	1,01526
110	0,00000	COMB1	-141,5567	110-1	0,00000
110	0,33842	COMB1	-133,9353	110-1	0,33842
110	0,67684	COMB1	-126,3138	110-1	0,67684
110	1,01526	COMB1	-118,6924	110-1	1,01526
110	0,00000	COMB2	-250,0822	110-1	0,00000
110	0,33842	COMB2	-270,1254	110-1	0,33842

Table: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	M3	FrameElem	ElemStation
	m		KN-m		m
110	0,67684	COMB2	-276,3923	110-1	0,67684
110	1,01526	COMB2	-268,5901	110-1	1,01526
110	0,00000	COMB4	-173,1578	110-1	0,00000
110	0,33842	COMB4	-148,5540	110-1	0,33842
110	0,67684	COMB4	-123,9501	110-1	0,67684
110	1,01526	COMB4	-99,3462	110-1	1,01526
110	0,00000	COMB5	-281,6833	110-1	0,00000
110	0,33842	COMB5	-284,7441	110-1	0,33842
110	0,67684	COMB5	-274,0286	110-1	0,67684
110	1,01526	COMB5	-249,2439	110-1	1,01526
110	0,00000	COMB6	-268,1713	110-1	0,00000
110	0,33842	COMB6	-287,1701	110-1	0,33842
110	0,67684	COMB6	-292,5070	110-1	0,67684
110	1,01526	COMB6	-283,8895	110-1	1,01526
110	0,00000	COMB8	-301,8168	110-1	0,00000
110	0,33842	COMB8	-301,8163	110-1	0,33842
110	0,67684	COMB8	-288,1541	110-1	0,67684
110	1,01526	COMB8	-260,5373	110-1	1,01526
110	0,00000	COMB8bis	-297,7281	110-1	0,00000
110	0,33842	COMB8bis	-301,7613	110-1	0,33842
110	0,67684	COMB8bis	-292,1326	110-1	0,67684
110	1,01526	COMB8bis	-268,5494	110-1	1,01526
111	0,00000	COMB1	-118,6924	111-1	0,00000
111	0,33842	COMB1	-70,8193	111-1	0,33842
111	0,67684	COMB1	-22,9463	111-1	0,67684
111	1,01526	COMB1	24,9268	111-1	1,01526
111	0,00000	COMB2	-268,5901	111-1	0,00000
111	0,33842	COMB2	-243,8271	111-1	0,33842
111	0,67684	COMB2	-204,4097	111-1	0,67684
111	1,01526	COMB2	-150,0453	111-1	1,01526
111	0,00000	COMB4	-99,3462	111-1	0,00000
111	0,33842	COMB4	-34,5600	111-1	0,33842
111	0,67684	COMB4	30,2263	111-1	0,67684
111	1,01526	COMB4	95,0126	111-1	1,01526
111	0,00000	COMB5	-249,2439	111-1	0,00000
111	0,33842	COMB5	-207,5677	111-1	0,33842
111	0,67684	COMB5	-151,2371	111-1	0,67684
111	1,01526	COMB5	-79,9594	111-1	1,01526
111	0,00000	COMB6	-283,8895	111-1	0,00000
111	0,33842	COMB6	-254,6554	111-1	0,33842
111	0,67684	COMB6	-210,8815	111-1	0,67684
111	1,01526	COMB6	-152,2749	111-1	1,01526
111	0,00000	COMB8	-260,5373	111-1	0,00000
111	0,33842	COMB8	-212,3750	111-1	0,33842
111	0,67684	COMB8	-149,6728	111-1	0,67684
111	1,01526	COMB8	-72,1381	111-1	1,01526
111	0,00000	COMB8bis	-268,5494	111-1	0,00000
111	0,33842	COMB8bis	-224,4171	111-1	0,33842
111	0,67684	COMB8bis	-165,7449	111-1	0,67684
111	1,01526	COMB8bis	-92,2401	111-1	1,01526
112	0,00000	COMB1	24,9268	112-1	0,00000
112	0,33842	COMB1	115,2664	112-1	0,33842
112	0,67684	COMB1	205,6059	112-1	0,67684
112	1,01526	COMB1	295,9455	112-1	1,01526
112	0,00000	COMB2	-150,0453	112-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
112	0,33842	COMB2	-77,4301	112-1	0,33842
112	0,67684	COMB2	10,7235	112-1	0,67684
112	1,01526	COMB2	114,8512	112-1	1,01526
112	0,00000	COMB4	95,0126	112-1	0,00000
112	0,33842	COMB4	202,2089	112-1	0,33842
112	0,67684	COMB4	309,4053	112-1	0,67684
112	1,01526	COMB4	416,6016	112-1	1,01526
112	0,00000	COMB5	-79,9594	112-1	0,00000
112	0,33842	COMB5	9,5125	112-1	0,33842
112	0,67684	COMB5	114,5228	112-1	0,67684
112	1,01526	COMB5	235,5072	112-1	1,01526
112	0,00000	COMB6	-152,2749	112-1	0,00000
112	0,33842	COMB6	-71,5350	112-1	0,33842
112	0,67684	COMB6	24,6287	112-1	0,67684
112	1,01526	COMB6	136,6521	112-1	1,01526
112	0,00000	COMB8	-72,1381	112-1	0,00000
112	0,33842	COMB8	27,4722	112-1	0,33842
112	0,67684	COMB8	142,5063	112-1	0,67684
112	1,01526	COMB8	273,4001	112-1	1,01526
112	0,00000	COMB8bis	-92,2401	112-1	0,00000
112	0,33842	COMB8bis	3,3429	112-1	0,33842
112	0,67684	COMB8bis	114,3498	112-1	0,67684
112	1,01526	COMB8bis	241,2163	112-1	1,01526
113	0,00000	COMB1	295,9455	113-1	0,00000
113	0,01526	COMB1	302,0319	113-1	0,01526
113	0,00000	COMB2	114,8512	113-1	0,00000
113	0,01526	COMB2	120,0936	113-1	0,01526
113	0,00000	COMB4	416,6016	113-1	0,00000
113	0,01526	COMB4	423,4426	113-1	0,01526
113	0,00000	COMB5	235,5072	113-1	0,00000
113	0,01526	COMB5	241,5043	113-1	0,01526
113	0,00000	COMB6	136,6521	113-1	0,00000
113	0,01526	COMB6	142,4384	113-1	0,01526
113	0,00000	COMB8	273,4001	113-1	0,00000
113	0,01526	COMB8	280,0312	113-1	0,01526
113	0,00000	COMB8bis	241,2163	113-1	0,00000
113	0,01526	COMB8bis	247,6670	113-1	0,01526
114	0,50000	COMB1	-222,4667	114-1	0,50000
114	0,87056	COMB1	-151,0458	114-1	0,87056
114	1,24111	COMB1	-72,7593	114-1	1,24111
114	0,50000	COMB2	-436,0638	114-1	0,50000
114	0,87056	COMB2	-359,9491	114-1	0,87056
114	1,24111	COMB2	-276,9687	114-1	1,24111
114	0,50000	COMB4	-258,4395	114-1	0,50000
114	0,87056	COMB4	-91,4690	114-1	0,87056
114	1,24111	COMB4	82,3671	114-1	1,24111
114	0,50000	COMB5	-472,0366	114-1	0,50000
114	0,87056	COMB5	-300,3723	114-1	0,87056
114	1,24111	COMB5	-121,8423	114-1	1,24111
114	0,50000	COMB6	-431,7747	114-1	0,50000
114	0,87056	COMB6	-356,7451	114-1	0,87056
114	1,24111	COMB6	-274,8500	114-1	1,24111
114	0,50000	COMB8	-471,7185	114-1	0,50000
114	0,87056	COMB8	-287,4563	114-1	0,87056
114	1,24111	COMB8	-95,7792	114-1	1,24111

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
114	0,50000	COMB8bis	-463,7765	114-1	0,50000
114	0,87056	COMB8bis	-306,8804	114-1	0,87056
114	1,24111	COMB8bis	-143,6680	114-1	1,24111
115	0,00000	COMB1	-72,7593	115-1	0,00000
115	0,41370	COMB1	-51,4933	115-1	0,41370
115	0,82741	COMB1	-21,6698	115-1	0,82741
115	1,24111	COMB1	16,7114	115-1	1,24111
115	0,00000	COMB2	-276,9687	115-1	0,00000
115	0,41370	COMB2	-244,1117	115-1	0,41370
115	0,82741	COMB2	-202,6970	115-1	0,82741
115	1,24111	COMB2	-152,7248	115-1	1,24111
115	0,00000	COMB4	82,3671	115-1	0,00000
115	0,41370	COMB4	173,4979	115-1	0,41370
115	0,82741	COMB4	273,1864	115-1	0,82741
115	1,24111	COMB4	381,4324	115-1	1,24111
115	0,00000	COMB5	-121,8423	115-1	0,00000
115	0,41370	COMB5	-19,1204	115-1	0,41370
115	0,82741	COMB5	92,1591	115-1	0,82741
115	1,24111	COMB5	211,9963	115-1	1,24111
115	0,00000	COMB6	-274,8500	115-1	0,00000
115	0,41370	COMB6	-243,9176	115-1	0,41370
115	0,82741	COMB6	-204,4277	115-1	0,82741
115	1,24111	COMB6	-156,3802	115-1	1,24111
115	0,00000	COMB8	-95,7792	115-1	0,00000
115	0,41370	COMB8	13,1936	115-1	0,41370
115	0,82741	COMB8	131,4087	115-1	0,82741
115	1,24111	COMB8	258,8659	115-1	1,24111
115	0,00000	COMB8bis	-143,6680	115-1	0,00000
115	0,41370	COMB8bis	-51,0464	115-1	0,41370
115	0,82741	COMB8bis	49,4482	115-1	0,82741
115	1,24111	COMB8bis	157,8157	115-1	1,24111
116	0,00000	COMB1	16,7114	116-1	0,00000
116	0,41370	COMB1	23,3273	116-1	0,41370
116	0,82741	COMB1	38,5008	116-1	0,82741
116	1,24111	COMB1	62,2319	116-1	1,24111
116	0,00000	COMB2	-152,7248	116-1	0,00000
116	0,41370	COMB2	-131,9019	116-1	0,41370
116	0,82741	COMB2	-102,5214	116-1	0,82741
116	1,24111	COMB2	-64,5833	116-1	1,24111
116	0,00000	COMB4	381,4324	116-1	0,00000
116	0,41370	COMB4	437,6903	116-1	0,41370
116	0,82741	COMB4	502,5058	116-1	0,82741
116	1,24111	COMB4	575,8789	116-1	1,24111
116	0,00000	COMB5	211,9963	116-1	0,00000
116	0,41370	COMB5	282,4612	116-1	0,41370
116	0,82741	COMB5	361,4837	116-1	0,82741
116	1,24111	COMB5	449,0637	116-1	1,24111
116	0,00000	COMB6	-156,3802	116-1	0,00000
116	0,41370	COMB6	-137,7856	116-1	0,41370
116	0,82741	COMB6	-110,6334	116-1	0,82741
116	1,24111	COMB6	-74,9237	116-1	1,24111
116	0,00000	COMB8	258,8659	116-1	0,00000
116	0,41370	COMB8	332,7158	116-1	0,41370
116	0,82741	COMB8	415,8079	116-1	0,82741
116	1,24111	COMB8	508,1421	116-1	1,24111

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
116	0,00000	COMB8bis	157,8157	116-1	0,00000
116	0,41370	COMB8bis	220,4390	116-1	0,41370
116	0,82741	COMB8bis	290,9353	116-1	0,82741
116	1,24111	COMB8bis	369,3046	116-1	1,24111
117	0,00000	COMB1	62,2319	117-1	0,00000
117	0,41370	COMB1	55,1201	117-1	0,41370
117	0,82741	COMB1	56,5659	117-1	0,82741
117	1,24111	COMB1	66,5693	117-1	1,24111
117	0,00000	COMB2	-64,5833	117-1	0,00000
117	0,41370	COMB2	-55,7647	117-1	0,41370
117	0,82741	COMB2	-38,3886	117-1	0,82741
117	1,24111	COMB2	-12,4548	117-1	1,24111
117	0,00000	COMB4	575,8789	117-1	0,00000
117	0,41370	COMB4	598,3689	117-1	0,41370
117	0,82741	COMB4	629,4164	117-1	0,82741
117	1,24111	COMB4	669,0216	117-1	1,24111
117	0,00000	COMB5	449,0637	117-1	0,00000
117	0,41370	COMB5	487,4840	117-1	0,41370
117	0,82741	COMB5	534,4619	117-1	0,82741
117	1,24111	COMB5	589,9974	117-1	1,24111
117	0,00000	COMB6	-74,9237	117-1	0,00000
117	0,41370	COMB6	-68,5440	117-1	0,41370
117	0,82741	COMB6	-53,6068	117-1	0,82741
117	1,24111	COMB6	-30,1120	117-1	1,24111
117	0,00000	COMB8	508,1421	117-1	0,00000
117	0,41370	COMB8	547,1982	117-1	0,41370
117	0,82741	COMB8	595,4965	117-1	0,82741
117	1,24111	COMB8	653,0369	117-1	1,24111
117	0,00000	COMB8bis	369,3046	117-1	0,00000
117	0,41370	COMB8bis	402,2112	117-1	0,41370
117	0,82741	COMB8bis	442,9909	117-1	0,82741
117	1,24111	COMB8bis	491,6435	117-1	1,24111
118	0,00000	COMB1	66,5693	118-1	0,00000
118	0,41370	COMB1	46,6438	118-1	0,41370
118	0,82741	COMB1	35,2758	118-1	0,82741
118	1,24111	COMB1	32,4653	118-1	1,24111
118	0,00000	COMB2	-12,4548	118-1	0,00000
118	0,41370	COMB2	-15,6045	118-1	0,41370
118	0,82741	COMB2	-10,1966	118-1	0,82741
118	1,24111	COMB2	3,7689	118-1	1,24111
118	0,00000	COMB4	669,0216	118-1	0,00000
118	0,41370	COMB4	658,7783	118-1	0,41370
118	0,82741	COMB4	657,0927	118-1	0,82741
118	1,24111	COMB4	663,9646	118-1	1,24111
118	0,00000	COMB5	589,9974	118-1	0,00000
118	0,41370	COMB5	596,5300	118-1	0,41370
118	0,82741	COMB5	611,6203	118-1	0,82741
118	1,24111	COMB5	635,2681	118-1	1,24111
118	0,00000	COMB6	-30,1120	118-1	0,00000
118	0,41370	COMB6	-35,8171	118-1	0,41370
118	0,82741	COMB6	-32,9647	118-1	0,82741
118	1,24111	COMB6	-21,5546	118-1	1,24111
118	0,00000	COMB8	653,0369	118-1	0,00000
118	0,41370	COMB8	657,5657	118-1	0,41370
118	0,82741	COMB8	671,3367	118-1	0,82741

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
118	1,24111	COMB8	694,3499	118-1	1,24111
118	0,00000	COMB8bis	491,6435	118-1	0,00000
118	0,41370	COMB8bis	495,0691	118-1	0,41370
118	0,82741	COMB8bis	506,3677	118-1	0,82741
118	1,24111	COMB8bis	525,5392	118-1	1,24111
119	0,00000	COMB1	32,4653	119-1	0,00000
119	0,41370	COMB1	0,6309	119-1	0,41370
119	0,82741	COMB1	-22,6459	119-1	0,82741
119	1,24111	COMB1	-37,3652	119-1	1,24111
119	0,00000	COMB2	3,7689	119-1	0,00000
119	0,41370	COMB2	-11,3128	119-1	0,41370
119	0,82741	COMB2	-17,8368	119-1	0,82741
119	1,24111	COMB2	-15,8033	119-1	1,24111
119	0,00000	COMB4	663,9646	119-1	0,00000
119	0,41370	COMB4	621,9422	119-1	0,41370
119	0,82741	COMB4	588,4773	119-1	0,82741
119	1,24111	COMB4	563,5701	119-1	1,24111
119	0,00000	COMB5	635,2681	119-1	0,00000
119	0,41370	COMB5	609,9985	119-1	0,41370
119	0,82741	COMB5	593,2864	119-1	0,82741
119	1,24111	COMB5	585,1319	119-1	1,24111
119	0,00000	COMB6	-21,5546	119-1	0,00000
119	0,41370	COMB6	-39,2121	119-1	0,41370
119	0,82741	COMB6	-48,3120	119-1	0,82741
119	1,24111	COMB6	-48,8543	119-1	1,24111
119	0,00000	COMB8	694,3499	119-1	0,00000
119	0,41370	COMB8	664,5390	119-1	0,41370
119	0,82741	COMB8	643,9701	119-1	0,82741
119	1,24111	COMB8	632,6435	119-1	1,24111
119	0,00000	COMB8bis	525,5392	119-1	0,00000
119	0,41370	COMB8bis	499,6593	119-1	0,41370
119	0,82741	COMB8bis	481,6524	119-1	0,82741
119	1,24111	COMB8bis	471,5184	119-1	1,24111
120	0,00000	COMB1	-37,3652	120-1	0,00000
120	0,41370	COMB1	-80,2083	120-1	0,41370
120	0,82741	COMB1	-114,4938	120-1	0,82741
120	1,24111	COMB1	-140,2217	120-1	1,24111
120	0,00000	COMB2	-15,8033	120-1	0,00000
120	0,41370	COMB2	-42,7821	120-1	0,41370
120	0,82741	COMB2	-61,2033	120-1	0,82741
120	1,24111	COMB2	-71,0669	120-1	1,24111
120	0,00000	COMB4	563,5701	120-1	0,00000
120	0,41370	COMB4	490,6426	120-1	0,41370
120	0,82741	COMB4	426,2726	120-1	0,82741
120	1,24111	COMB4	370,4603	120-1	1,24111
120	0,00000	COMB5	585,1319	120-1	0,00000
120	0,41370	COMB5	528,0687	120-1	0,41370
120	0,82741	COMB5	479,5631	120-1	0,82741
120	1,24111	COMB5	439,6150	120-1	1,24111
120	0,00000	COMB6	-48,8543	120-1	0,00000
120	0,41370	COMB6	-78,3303	120-1	0,41370
120	0,82741	COMB6	-99,2487	120-1	0,82741
120	1,24111	COMB6	-111,6096	120-1	1,24111
120	0,00000	COMB8	632,6435	120-1	0,00000
120	0,41370	COMB8	568,5964	120-1	0,41370

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
120	0,82741	COMB8	513,7915	120-1	0,82741
120	1,24111	COMB8	468,2287	120-1	1,24111
120	0,00000	COMB8bis	471,5184	120-1	0,00000
120	0,41370	COMB8bis	416,4447	120-1	0,41370
120	0,82741	COMB8bis	369,2439	120-1	0,82741
120	1,24111	COMB8bis	329,9161	120-1	1,24111
121	0,00000	COMB1	-140,2217	121-1	0,00000
121	0,41370	COMB1	-193,1701	121-1	0,41370
121	0,82741	COMB1	-237,5608	121-1	0,82741
121	1,24111	COMB1	-273,3940	121-1	1,24111
121	0,00000	COMB2	-71,0669	121-1	0,00000
121	0,41370	COMB2	-109,9074	121-1	0,41370
121	0,82741	COMB2	-140,1904	121-1	0,82741
121	1,24111	COMB2	-161,9157	121-1	1,24111
121	0,00000	COMB4	370,4603	121-1	0,00000
121	0,41370	COMB4	267,4333	121-1	0,41370
121	0,82741	COMB4	172,9640	121-1	0,82741
121	1,24111	COMB4	87,0522	121-1	1,24111
121	0,00000	COMB5	439,6150	121-1	0,00000
121	0,41370	COMB5	350,6959	121-1	0,41370
121	0,82741	COMB5	270,3344	121-1	0,82741
121	1,24111	COMB5	198,5305	121-1	1,24111
121	0,00000	COMB6	-111,6096	121-1	0,00000
121	0,41370	COMB6	-152,7659	121-1	0,41370
121	0,82741	COMB6	-185,3646	121-1	0,82741
121	1,24111	COMB6	-209,4058	121-1	1,24111
121	0,00000	COMB8	468,2287	121-1	0,00000
121	0,41370	COMB8	369,9724	121-1	0,41370
121	0,82741	COMB8	280,9583	121-1	0,82741
121	1,24111	COMB8	201,1864	121-1	1,24111
121	0,00000	COMB8bis	329,9161	121-1	0,00000
121	0,41370	COMB8bis	245,7026	121-1	0,41370
121	0,82741	COMB8bis	169,3620	121-1	0,82741
121	1,24111	COMB8bis	100,8944	121-1	1,24111
122	0,00000	COMB1	-273,3940	122-1	0,00000
122	0,41370	COMB1	-335,5290	122-1	0,41370
122	0,82741	COMB1	-389,1064	122-1	0,82741
122	1,24111	COMB1	-434,1262	122-1	1,24111
122	0,00000	COMB2	-161,9157	122-1	0,00000
122	0,41370	COMB2	-212,5755	122-1	0,41370
122	0,82741	COMB2	-254,6777	122-1	0,82741
122	1,24111	COMB2	-288,2223	122-1	1,24111
122	0,00000	COMB4	87,0522	122-1	0,00000
122	0,41370	COMB4	-45,3147	122-1	0,41370
122	0,82741	COMB4	-169,1240	122-1	0,82741
122	1,24111	COMB4	-284,3758	122-1	1,24111
122	0,00000	COMB5	198,5305	122-1	0,00000
122	0,41370	COMB5	77,6388	122-1	0,41370
122	0,82741	COMB5	-34,6953	122-1	0,82741
122	1,24111	COMB5	-138,4719	122-1	1,24111
122	0,00000	COMB6	-209,4058	122-1	0,00000
122	0,41370	COMB6	-262,0925	122-1	0,41370
122	0,82741	COMB6	-306,2217	122-1	0,82741
122	1,24111	COMB6	-341,7933	122-1	1,24111
122	0,00000	COMB8	201,1864	122-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
122	0,41370	COMB8	68,6898	122-1	0,41370
122	0,82741	COMB8	-54,5645	122-1	0,82741
122	1,24111	COMB8	-168,5766	122-1	1,24111
122	0,00000	COMB8bis	100,8944	122-1	0,00000
122	0,41370	COMB8bis	-12,4464	122-1	0,41370
122	0,82741	COMB8bis	-117,9143	122-1	0,82741
122	1,24111	COMB8bis	-215,5091	122-1	1,24111
123	0,00000	COMB1	-434,1262	123-1	0,00000
123	0,37056	COMB1	-521,8579	123-1	0,37056
123	0,74111	COMB1	-602,7240	123-1	0,74111
123	0,00000	COMB2	-288,2223	123-1	0,00000
123	0,37056	COMB2	-371,3538	123-1	0,37056
123	0,74111	COMB2	-447,6197	123-1	0,74111
123	0,00000	COMB4	-284,3758	123-1	0,00000
123	0,37056	COMB4	-467,8350	123-1	0,37056
123	0,74111	COMB4	-644,4285	123-1	0,74111
123	0,00000	COMB5	-138,4719	123-1	0,00000
123	0,37056	COMB5	-317,3309	123-1	0,37056
123	0,74111	COMB5	-489,3242	123-1	0,74111
123	0,00000	COMB6	-341,7933	123-1	0,00000
123	0,37056	COMB6	-426,0927	123-1	0,37056
123	0,74111	COMB6	-503,5265	123-1	0,74111
123	0,00000	COMB8	-168,5766	123-1	0,00000
123	0,37056	COMB8	-362,8527	123-1	0,37056
123	0,74111	COMB8	-549,7138	123-1	0,74111
123	0,00000	COMB8bis	-215,5091	123-1	0,00000
123	0,37056	COMB8bis	-381,2869	123-1	0,37056
123	0,74111	COMB8bis	-540,7482	123-1	0,74111
124	0,50000	COMB1	305,2959	124-1	0,50000
124	0,87056	COMB1	257,0373	124-1	0,87056
124	1,24111	COMB1	211,5249	124-1	1,24111
124	0,50000	COMB2	195,5086	124-1	0,50000
124	0,87056	COMB2	154,1992	124-1	0,87056
124	1,24111	COMB2	115,6360	124-1	1,24111
124	0,50000	COMB4	850,4279	124-1	0,50000
124	0,87056	COMB4	669,1411	124-1	0,87056
124	1,24111	COMB4	499,5258	124-1	1,24111
124	0,50000	COMB5	740,6406	124-1	0,50000
124	0,87056	COMB5	566,3030	124-1	0,87056
124	1,24111	COMB5	403,6370	124-1	1,24111
124	0,50000	COMB6	200,1196	124-1	0,50000
124	0,87056	COMB6	158,6198	124-1	0,87056
124	1,24111	COMB6	119,8663	124-1	1,24111
124	0,50000	COMB8	802,3070	124-1	0,50000
124	0,87056	COMB8	613,8645	124-1	0,87056
124	1,24111	COMB8	438,0272	124-1	1,24111
124	0,50000	COMB8bis	688,1962	124-1	0,50000
124	0,87056	COMB8bis	527,5828	124-1	0,87056
124	1,24111	COMB8bis	377,7073	124-1	1,24111
125	0,00000	COMB1	211,5249	125-1	0,00000
125	0,41370	COMB1	163,9576	125-1	0,41370
125	0,82741	COMB1	119,8133	125-1	0,82741
125	1,24111	COMB1	79,0921	125-1	1,24111
125	0,00000	COMB2	115,6360	125-1	0,00000
125	0,41370	COMB2	75,8272	125-1	0,41370

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
125	0,82741	COMB2	39,4413	125-1	0,82741
125	1,24111	COMB2	6,4785	125-1	1,24111
125	0,00000	COMB4	499,5258	125-1	0,00000
125	0,41370	COMB4	323,9499	125-1	0,41370
125	0,82741	COMB4	162,9219	125-1	0,82741
125	1,24111	COMB4	16,4418	125-1	1,24111
125	0,00000	COMB5	403,6370	125-1	0,00000
125	0,41370	COMB5	235,8195	125-1	0,41370
125	0,82741	COMB5	82,5499	125-1	0,82741
125	1,24111	COMB5	-56,1718	125-1	1,24111
125	0,00000	COMB6	119,8663	125-1	0,00000
125	0,41370	COMB6	79,8449	125-1	0,41370
125	0,82741	COMB6	43,2464	125-1	0,82741
125	1,24111	COMB6	10,0711	125-1	1,24111
125	0,00000	COMB8	438,0272	125-1	0,00000
125	0,41370	COMB8	256,6079	125-1	0,41370
125	0,82741	COMB8	90,9003	125-1	0,82741
125	1,24111	COMB8	-59,0955	125-1	1,24111
125	0,00000	COMB8bis	377,7073	125-1	0,00000
125	0,41370	COMB8bis	223,0665	125-1	0,41370
125	0,82741	COMB8bis	81,8097	125-1	0,82741
125	1,24111	COMB8bis	-46,0631	125-1	1,24111
126	0,00000	COMB1	79,0921	126-1	0,00000
126	0,41370	COMB1	41,7939	126-1	0,41370
126	0,82741	COMB1	7,9187	126-1	0,82741
126	1,24111	COMB1	-22,5334	126-1	1,24111
126	0,00000	COMB2	6,4785	126-1	0,00000
126	0,41370	COMB2	-23,0613	126-1	0,41370
126	0,82741	COMB2	-49,1780	126-1	0,82741
126	1,24111	COMB2	-71,8717	126-1	1,24111
126	0,00000	COMB4	16,4418	126-1	0,00000
126	0,41370	COMB4	-115,4905	126-1	0,41370
126	0,82741	COMB4	-232,8748	126-1	0,82741
126	1,24111	COMB4	-335,7113	126-1	1,24111
126	0,00000	COMB5	-56,1718	126-1	0,00000
126	0,41370	COMB5	-180,3456	126-1	0,41370
126	0,82741	COMB5	-289,9716	126-1	0,82741
126	1,24111	COMB5	-385,0496	126-1	1,24111
126	0,00000	COMB6	10,0711	126-1	0,00000
126	0,41370	COMB6	-19,6813	126-1	0,41370
126	0,82741	COMB6	-46,0106	126-1	0,82741
126	1,24111	COMB6	-68,9169	126-1	1,24111
126	0,00000	COMB8	-59,0955	126-1	0,00000
126	0,41370	COMB8	-193,3796	126-1	0,41370
126	0,82741	COMB8	-311,9520	126-1	0,82741
126	1,24111	COMB8	-414,8127	126-1	1,24111
126	0,00000	COMB8bis	-46,0631	126-1	0,00000
126	0,41370	COMB8bis	-160,5517	126-1	0,41370
126	0,82741	COMB8bis	-261,6563	126-1	0,82741
126	1,24111	COMB8bis	-349,3769	126-1	1,24111
127	0,00000	COMB1	-22,5334	127-1	0,00000
127	0,41370	COMB1	-49,5625	127-1	0,41370
127	0,82741	COMB1	-73,1685	127-1	0,82741
127	1,24111	COMB1	-93,3516	127-1	1,24111
127	0,00000	COMB2	-71,8717	127-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
127	0,41370	COMB2	-91,1424	127-1	0,41370
127	0,82741	COMB2	-106,9900	127-1	0,82741
127	1,24111	COMB2	-119,4146	127-1	1,24111
127	0,00000	COMB4	-335,7113	127-1	0,00000
127	0,41370	COMB4	-423,9998	127-1	0,41370
127	0,82741	COMB4	-497,7405	127-1	0,82741
127	1,24111	COMB4	-556,9332	127-1	1,24111
127	0,00000	COMB5	-385,0496	127-1	0,00000
127	0,41370	COMB5	-465,5797	127-1	0,41370
127	0,82741	COMB5	-531,5619	127-1	0,82741
127	1,24111	COMB5	-582,9963	127-1	1,24111
127	0,00000	COMB6	-68,9169	127-1	0,00000
127	0,41370	COMB6	-88,4001	127-1	0,41370
127	0,82741	COMB6	-104,4604	127-1	0,82741
127	1,24111	COMB6	-117,0975	127-1	1,24111
127	0,00000	COMB8	-414,8127	127-1	0,00000
127	0,41370	COMB8	-501,9616	127-1	0,41370
127	0,82741	COMB8	-573,3988	127-1	0,82741
127	1,24111	COMB8	-629,1243	127-1	1,24111
127	0,00000	COMB8bis	-349,3769	127-1	0,00000
127	0,41370	COMB8bis	-423,7133	127-1	0,41370
127	0,82741	COMB8bis	-484,6657	127-1	0,82741
127	1,24111	COMB8bis	-532,2341	127-1	1,24111
128	0,00000	COMB1	-93,3516	128-1	0,00000
128	0,41370	COMB1	-110,1116	128-1	0,41370
128	0,82741	COMB1	-123,4485	128-1	0,82741
128	1,24111	COMB1	-133,3624	128-1	1,24111
128	0,00000	COMB2	-119,4146	128-1	0,00000
128	0,41370	COMB2	-128,4162	128-1	0,41370
128	0,82741	COMB2	-133,9947	128-1	0,82741
128	1,24111	COMB2	-136,1502	128-1	1,24111
128	0,00000	COMB4	-556,9332	128-1	0,00000
128	0,41370	COMB4	-601,5781	128-1	0,41370
128	0,82741	COMB4	-631,6751	128-1	0,82741
128	1,24111	COMB4	-647,2241	128-1	1,24111
128	0,00000	COMB5	-582,9963	128-1	0,00000
128	0,41370	COMB5	-619,8827	128-1	0,41370
128	0,82741	COMB5	-642,2213	128-1	0,82741
128	1,24111	COMB5	-650,0119	128-1	1,24111
128	0,00000	COMB6	-117,0975	128-1	0,00000
128	0,41370	COMB6	-126,3117	128-1	0,41370
128	0,82741	COMB6	-132,1028	128-1	0,82741
128	1,24111	COMB6	-134,4709	128-1	1,24111
128	0,00000	COMB8	-629,1243	128-1	0,00000
128	0,41370	COMB8	-669,1381	128-1	0,41370
128	0,82741	COMB8	-693,4401	128-1	0,82741
128	1,24111	COMB8	-702,0304	128-1	1,24111
128	0,00000	COMB8bis	-532,2341	128-1	0,00000
128	0,41370	COMB8bis	-566,4184	128-1	0,41370
128	0,82741	COMB8bis	-587,2186	128-1	0,82741
128	1,24111	COMB8bis	-594,6347	128-1	1,24111
129	0,00000	COMB1	-133,3624	129-1	0,00000
129	0,41370	COMB1	-139,8533	129-1	0,41370
129	0,82741	COMB1	-142,9212	129-1	0,82741
129	1,24111	COMB1	-142,5660	129-1	1,24111

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
129	0,00000	COMB2	-136,1502	129-1	0,00000
129	0,41370	COMB2	-134,8827	129-1	0,41370
129	0,82741	COMB2	-130,1921	129-1	0,82741
129	1,24111	COMB2	-122,0785	129-1	1,24111
129	0,00000	COMB4	-647,2241	129-1	0,00000
129	0,41370	COMB4	-648,2253	129-1	0,41370
129	0,82741	COMB4	-634,6786	129-1	0,82741
129	1,24111	COMB4	-606,5840	129-1	1,24111
129	0,00000	COMB5	-650,0119	129-1	0,00000
129	0,41370	COMB5	-643,2547	129-1	0,41370
129	0,82741	COMB5	-621,9496	129-1	0,82741
129	1,24111	COMB5	-586,0965	129-1	1,24111
129	0,00000	COMB6	-134,4709	129-1	0,00000
129	0,41370	COMB6	-133,4159	129-1	0,41370
129	0,82741	COMB6	-128,9379	129-1	0,82741
129	1,24111	COMB6	-121,0369	129-1	1,24111
129	0,00000	COMB8	-702,0304	129-1	0,00000
129	0,41370	COMB8	-694,9090	129-1	0,41370
129	0,82741	COMB8	-672,0758	129-1	0,82741
129	1,24111	COMB8	-633,5309	129-1	1,24111
129	0,00000	COMB8bis	-594,6347	129-1	0,00000
129	0,41370	COMB8bis	-588,6668	129-1	0,41370
129	0,82741	COMB8bis	-569,3148	129-1	0,82741
129	1,24111	COMB8bis	-536,5788	129-1	1,24111
130	0,00000	COMB1	-142,5660	130-1	0,00000
130	0,41370	COMB1	-138,7878	130-1	0,41370
130	0,82741	COMB1	-131,5865	130-1	0,82741
130	1,24111	COMB1	-120,9623	130-1	1,24111
130	0,00000	COMB2	-122,0785	130-1	0,00000
130	0,41370	COMB2	-110,5419	130-1	0,41370
130	0,82741	COMB2	-95,5822	130-1	0,82741
130	1,24111	COMB2	-77,1995	130-1	1,24111
130	0,00000	COMB4	-606,5840	130-1	0,00000
130	0,41370	COMB4	-563,9415	130-1	0,41370
130	0,82741	COMB4	-506,7511	130-1	0,82741
130	1,24111	COMB4	-435,0128	130-1	1,24111
130	0,00000	COMB5	-586,0965	130-1	0,00000
130	0,41370	COMB5	-535,6956	130-1	0,41370
130	0,82741	COMB5	-470,7468	130-1	0,82741
130	1,24111	COMB5	-391,2501	130-1	1,24111
130	0,00000	COMB6	-121,0369	130-1	0,00000
130	0,41370	COMB6	-109,7128	130-1	0,41370
130	0,82741	COMB6	-94,9657	130-1	0,82741
130	1,24111	COMB6	-76,7956	130-1	1,24111
130	0,00000	COMB8	-633,5309	130-1	0,00000
130	0,41370	COMB8	-579,2743	130-1	0,41370
130	0,82741	COMB8	-509,3060	130-1	0,82741
130	1,24111	COMB8	-423,6259	130-1	1,24111
130	0,00000	COMB8bis	-536,5788	130-1	0,00000
130	0,41370	COMB8bis	-490,4587	130-1	0,41370
130	0,82741	COMB8bis	-430,9545	130-1	0,82741
130	1,24111	COMB8bis	-358,0663	130-1	1,24111
131	0,00000	COMB1	-120,9623	131-1	0,00000
131	0,41370	COMB1	-106,9149	131-1	0,41370
131	0,82741	COMB1	-89,4446	131-1	0,82741

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
131	1,24111	COMB1	-68,5512	131-1	1,24111
131	0,00000	COMB2	-77,1995	131-1	0,00000
131	0,41370	COMB2	-55,3938	131-1	0,41370
131	0,82741	COMB2	-30,1650	131-1	0,82741
131	1,24111	COMB2	-1,5132	131-1	1,24111
131	0,00000	COMB4	-435,0128	131-1	0,00000
131	0,41370	COMB4	-348,7266	131-1	0,41370
131	0,82741	COMB4	-247,8925	131-1	0,82741
131	1,24111	COMB4	-132,5105	131-1	1,24111
131	0,00000	COMB5	-391,2501	131-1	0,00000
131	0,41370	COMB5	-297,2054	131-1	0,41370
131	0,82741	COMB5	-188,6129	131-1	0,82741
131	1,24111	COMB5	-65,4725	131-1	1,24111
131	0,00000	COMB6	-76,7956	131-1	0,00000
131	0,41370	COMB6	-55,2024	131-1	0,41370
131	0,82741	COMB6	-30,1862	131-1	0,82741
131	1,24111	COMB6	-1,7470	131-1	1,24111
131	0,00000	COMB8	-423,6260	131-1	0,00000
131	0,41370	COMB8	-322,2342	131-1	0,41370
131	0,82741	COMB8	-205,1307	131-1	0,82741
131	1,24111	COMB8	-72,3154	131-1	1,24111
131	0,00000	COMB8bis	-358,0663	131-1	0,00000
131	0,41370	COMB8bis	-271,7940	131-1	0,41370
131	0,82741	COMB8bis	-172,1377	131-1	0,82741
131	1,24111	COMB8bis	-59,0972	131-1	1,24111
132	0,00000	COMB1	-68,5512	132-1	0,00000
132	0,41370	COMB1	-44,2348	132-1	0,41370
132	0,82741	COMB1	-16,4953	132-1	0,82741
132	1,24111	COMB1	14,6672	132-1	1,24111
132	0,00000	COMB2	-1,5132	132-1	0,00000
132	0,41370	COMB2	30,5616	132-1	0,41370
132	0,82741	COMB2	66,0595	132-1	0,82741
132	1,24111	COMB2	104,9804	132-1	1,24111
132	0,00000	COMB4	-132,5105	132-1	0,00000
132	0,41370	COMB4	-2,5807	132-1	0,41370
132	0,82741	COMB4	141,8971	132-1	0,82741
132	1,24111	COMB4	300,9228	132-1	1,24111
132	0,00000	COMB5	-65,4725	132-1	0,00000
132	0,41370	COMB5	72,2158	132-1	0,41370
132	0,82741	COMB5	224,4520	132-1	0,82741
132	1,24111	COMB5	391,2360	132-1	1,24111
132	0,00000	COMB6	-1,7470	132-1	0,00000
132	0,41370	COMB6	30,1153	132-1	0,41370
132	0,82741	COMB6	65,4006	132-1	0,82741
132	1,24111	COMB6	104,1089	132-1	1,24111
132	0,00000	COMB8	-72,3154	132-1	0,00000
132	0,41370	COMB8	76,2116	132-1	0,41370
132	0,82741	COMB8	240,4502	132-1	0,82741
132	1,24111	COMB8	420,4007	132-1	1,24111
132	0,00000	COMB8bis	-59,0972	132-1	0,00000
132	0,41370	COMB8bis	67,3272	132-1	0,41370
132	0,82741	COMB8bis	207,1358	132-1	0,82741
132	1,24111	COMB8bis	360,3284	132-1	1,24111
133	0,00000	COMB1	14,6672	133-1	0,00000
133	0,37056	COMB1	45,4857	133-1	0,37056

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
133	0,74111	COMB1	79,0505	133-1	0,74111
133	0,00000	COMB2	104,9804	133-1	0,00000
133	0,37056	COMB2	142,7482	133-1	0,37056
133	0,74111	COMB2	183,2622	133-1	0,74111
133	0,00000	COMB4	300,9228	133-1	0,00000
133	0,37056	COMB4	455,7139	133-1	0,37056
133	0,74111	COMB4	622,1766	133-1	0,74111
133	0,00000	COMB5	391,2360	133-1	0,00000
133	0,37056	COMB5	552,9764	133-1	0,37056
133	0,74111	COMB5	726,3883	133-1	0,74111
133	0,00000	COMB6	104,1089	133-1	0,00000
133	0,37056	COMB6	141,6863	133-1	0,37056
133	0,74111	COMB6	182,0099	133-1	0,74111
133	0,00000	COMB8	420,4007	133-1	0,00000
133	0,37056	COMB8	594,9222	133-1	0,37056
133	0,74111	COMB8	782,0491	133-1	0,74111
133	0,00000	COMB8bis	360,3284	133-1	0,00000
133	0,37056	COMB8bis	508,9067	133-1	0,37056
133	0,74111	COMB8bis	668,2229	133-1	0,74111
134	0,50000	COMB1	-1,110E-16	134-1	0,50000
134	0,87056	COMB1	-15,3419	134-1	0,87056
134	1,24111	COMB1	-29,6539	134-1	1,24111
134	0,50000	COMB2	-1,110E-16	134-1	0,50000
134	0,87056	COMB2	-15,3419	134-1	0,87056
134	1,24111	COMB2	-29,6539	134-1	1,24111
134	0,50000	COMB4	-1,110E-16	134-1	0,50000
134	0,87056	COMB4	-15,3419	134-1	0,87056
134	1,24111	COMB4	-29,6539	134-1	1,24111
134	0,50000	COMB5	-1,110E-16	134-1	0,50000
134	0,87056	COMB5	-15,3419	134-1	0,87056
134	1,24111	COMB5	-29,6539	134-1	1,24111
134	0,50000	COMB6	1,705E-15	134-1	0,50000
134	0,87056	COMB6	-15,3419	134-1	0,87056
134	1,24111	COMB6	-29,6539	134-1	1,24111
134	0,50000	COMB8	1,696E-15	134-1	0,50000
134	0,87056	COMB8	-16,5692	134-1	0,87056
134	1,24111	COMB8	-32,0262	134-1	1,24111
134	0,50000	COMB8bis	1,714E-15	134-1	0,50000
134	0,87056	COMB8bis	-14,1145	134-1	0,87056
134	1,24111	COMB8bis	-27,2816	134-1	1,24111
135	0,00000	COMB1	-29,6539	135-1	0,00000
135	0,41370	COMB1	-44,4158	135-1	0,41370
135	0,82741	COMB1	-57,8940	135-1	0,82741
135	1,24111	COMB1	-70,0885	135-1	1,24111
135	0,00000	COMB2	-29,6539	135-1	0,00000
135	0,41370	COMB2	-44,4158	135-1	0,41370
135	0,82741	COMB2	-57,8940	135-1	0,82741
135	1,24111	COMB2	-70,0885	135-1	1,24111
135	0,00000	COMB4	-29,6539	135-1	0,00000
135	0,41370	COMB4	-44,4158	135-1	0,41370
135	0,82741	COMB4	-57,8940	135-1	0,82741
135	1,24111	COMB4	-70,0885	135-1	1,24111
135	0,00000	COMB5	-29,6539	135-1	0,00000
135	0,41370	COMB5	-44,4158	135-1	0,41370
135	0,82741	COMB5	-57,8940	135-1	0,82741

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
135	1,24111	COMB5	-70,0885	135-1	1,24111
135	0,00000	COMB6	-29,6539	135-1	0,00000
135	0,41370	COMB6	-44,4158	135-1	0,41370
135	0,82741	COMB6	-57,8940	135-1	0,82741
135	1,24111	COMB6	-70,0885	135-1	1,24111
135	0,00000	COMB8	-32,0262	135-1	0,00000
135	0,41370	COMB8	-47,9690	135-1	0,41370
135	0,82741	COMB8	-62,5255	135-1	0,82741
135	1,24111	COMB8	-75,6956	135-1	1,24111
135	0,00000	COMB8bis	-27,2816	135-1	0,00000
135	0,41370	COMB8bis	-40,8625	135-1	0,41370
135	0,82741	COMB8bis	-53,2624	135-1	0,82741
135	1,24111	COMB8bis	-64,4814	135-1	1,24111
136	0,00000	COMB1	-70,0885	136-1	0,00000
136	0,41370	COMB1	-80,9994	136-1	0,41370
136	0,82741	COMB1	-90,6267	136-1	0,82741
136	1,24111	COMB1	-98,9704	136-1	1,24111
136	0,00000	COMB2	-70,0885	136-1	0,00000
136	0,41370	COMB2	-80,9994	136-1	0,41370
136	0,82741	COMB2	-90,6267	136-1	0,82741
136	1,24111	COMB2	-98,9704	136-1	1,24111
136	0,00000	COMB4	-70,0885	136-1	0,00000
136	0,41370	COMB4	-80,9994	136-1	0,41370
136	0,82741	COMB4	-90,6267	136-1	0,82741
136	1,24111	COMB4	-98,9704	136-1	1,24111
136	0,00000	COMB5	-70,0885	136-1	0,00000
136	0,41370	COMB5	-80,9994	136-1	0,41370
136	0,82741	COMB5	-90,6267	136-1	0,82741
136	1,24111	COMB5	-98,9704	136-1	1,24111
136	0,00000	COMB6	-70,0885	136-1	0,00000
136	0,41370	COMB6	-80,9994	136-1	0,41370
136	0,82741	COMB6	-90,6267	136-1	0,82741
136	1,24111	COMB6	-98,9704	136-1	1,24111
136	0,00000	COMB8	-75,6956	136-1	0,00000
136	0,41370	COMB8	-87,4794	136-1	0,41370
136	0,82741	COMB8	-97,8769	136-1	0,82741
136	1,24111	COMB8	-106,8880	136-1	1,24111
136	0,00000	COMB8bis	-64,4814	136-1	0,00000
136	0,41370	COMB8bis	-74,5195	136-1	0,41370
136	0,82741	COMB8bis	-83,3766	136-1	0,82741
136	1,24111	COMB8bis	-91,0527	136-1	1,24111
137	0,00000	COMB1	-98,9704	137-1	0,00000
137	0,41370	COMB1	-106,0304	137-1	0,41370
137	0,82741	COMB1	-111,8068	137-1	0,82741
137	1,24111	COMB1	-116,2995	137-1	1,24111
137	0,00000	COMB2	-98,9704	137-1	0,00000
137	0,41370	COMB2	-106,0304	137-1	0,41370
137	0,82741	COMB2	-111,8068	137-1	0,82741
137	1,24111	COMB2	-116,2995	137-1	1,24111
137	0,00000	COMB4	-98,9704	137-1	0,00000
137	0,41370	COMB4	-106,0304	137-1	0,41370
137	0,82741	COMB4	-111,8068	137-1	0,82741
137	1,24111	COMB4	-116,2995	137-1	1,24111
137	0,00000	COMB5	-98,9704	137-1	0,00000
137	0,41370	COMB5	-106,0304	137-1	0,41370

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
137	0,82741	COMB5	-111,8068	137-1	0,82741
137	1,24111	COMB5	-116,2995	137-1	1,24111
137	0,00000	COMB6	-98,9704	137-1	0,00000
137	0,41370	COMB6	-106,0304	137-1	0,41370
137	0,82741	COMB6	-111,8068	137-1	0,82741
137	1,24111	COMB6	-116,2995	137-1	1,24111
137	0,00000	COMB8	-106,8880	137-1	0,00000
137	0,41370	COMB8	-114,5128	137-1	0,41370
137	0,82741	COMB8	-120,7513	137-1	0,82741
137	1,24111	COMB8	-125,6034	137-1	1,24111
137	0,00000	COMB8bis	-91,0527	137-1	0,00000
137	0,41370	COMB8bis	-97,5480	137-1	0,41370
137	0,82741	COMB8bis	-102,8622	137-1	0,82741
137	1,24111	COMB8bis	-106,9955	137-1	1,24111
138	0,00000	COMB1	-116,2995	138-1	0,00000
138	0,41370	COMB1	-119,5086	138-1	0,41370
138	0,82741	COMB1	-121,4340	138-1	0,82741
138	1,24111	COMB1	-122,0759	138-1	1,24111
138	0,00000	COMB2	-116,2995	138-1	0,00000
138	0,41370	COMB2	-119,5086	138-1	0,41370
138	0,82741	COMB2	-121,4340	138-1	0,82741
138	1,24111	COMB2	-122,0759	138-1	1,24111
138	0,00000	COMB4	-116,2995	138-1	0,00000
138	0,41370	COMB4	-119,5086	138-1	0,41370
138	0,82741	COMB4	-121,4340	138-1	0,82741
138	1,24111	COMB4	-122,0759	138-1	1,24111
138	0,00000	COMB5	-116,2995	138-1	0,00000
138	0,41370	COMB5	-119,5086	138-1	0,41370
138	0,82741	COMB5	-121,4340	138-1	0,82741
138	1,24111	COMB5	-122,0759	138-1	1,24111
138	0,00000	COMB6	-116,2995	138-1	0,00000
138	0,41370	COMB6	-119,5086	138-1	0,41370
138	0,82741	COMB6	-121,4340	138-1	0,82741
138	1,24111	COMB6	-122,0759	138-1	1,24111
138	0,00000	COMB8	-125,6034	138-1	0,00000
138	0,41370	COMB8	-129,0693	138-1	0,41370
138	0,82741	COMB8	-131,1488	138-1	0,82741
138	1,24111	COMB8	-131,8419	138-1	1,24111
138	0,00000	COMB8bis	-106,9955	138-1	0,00000
138	0,41370	COMB8bis	-109,9479	138-1	0,41370
138	0,82741	COMB8bis	-111,7193	138-1	0,82741
138	1,24111	COMB8bis	-112,3098	138-1	1,24111
139	0,00000	COMB1	-122,0759	139-1	0,00000
139	0,41370	COMB1	-121,4340	139-1	0,41370
139	0,82741	COMB1	-119,5086	139-1	0,82741
139	1,24111	COMB1	-116,2995	139-1	1,24111
139	0,00000	COMB2	-122,0759	139-1	0,00000
139	0,41370	COMB2	-121,4340	139-1	0,41370
139	0,82741	COMB2	-119,5086	139-1	0,82741
139	1,24111	COMB2	-116,2995	139-1	1,24111
139	0,00000	COMB4	-122,0759	139-1	0,00000
139	0,41370	COMB4	-121,4340	139-1	0,41370
139	0,82741	COMB4	-119,5086	139-1	0,82741
139	1,24111	COMB4	-116,2995	139-1	1,24111
139	0,00000	COMB5	-122,0759	139-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
139	0,41370	COMB5	-121,4340	139-1	0,41370
139	0,82741	COMB5	-119,5086	139-1	0,82741
139	1,24111	COMB5	-116,2995	139-1	1,24111
139	0,00000	COMB6	-122,0759	139-1	0,00000
139	0,41370	COMB6	-121,4340	139-1	0,41370
139	0,82741	COMB6	-119,5086	139-1	0,82741
139	1,24111	COMB6	-116,2995	139-1	1,24111
139	0,00000	COMB8	-131,8419	139-1	0,00000
139	0,41370	COMB8	-131,1488	139-1	0,41370
139	0,82741	COMB8	-129,0693	139-1	0,82741
139	1,24111	COMB8	-125,6034	139-1	1,24111
139	0,00000	COMB8bis	-112,3098	139-1	0,00000
139	0,41370	COMB8bis	-111,7193	139-1	0,41370
139	0,82741	COMB8bis	-109,9479	139-1	0,82741
139	1,24111	COMB8bis	-106,9955	139-1	1,24111
140	0,00000	COMB1	-116,2995	140-1	0,00000
140	0,41370	COMB1	-111,8068	140-1	0,41370
140	0,82741	COMB1	-106,0304	140-1	0,82741
140	1,24111	COMB1	-98,9704	140-1	1,24111
140	0,00000	COMB2	-116,2995	140-1	0,00000
140	0,41370	COMB2	-111,8068	140-1	0,41370
140	0,82741	COMB2	-106,0304	140-1	0,82741
140	1,24111	COMB2	-98,9704	140-1	1,24111
140	0,00000	COMB4	-116,2995	140-1	0,00000
140	0,41370	COMB4	-111,8068	140-1	0,41370
140	0,82741	COMB4	-106,0304	140-1	0,82741
140	1,24111	COMB4	-98,9704	140-1	1,24111
140	0,00000	COMB5	-116,2995	140-1	0,00000
140	0,41370	COMB5	-111,8068	140-1	0,41370
140	0,82741	COMB5	-106,0304	140-1	0,82741
140	1,24111	COMB5	-98,9704	140-1	1,24111
140	0,00000	COMB6	-116,2995	140-1	0,00000
140	0,41370	COMB6	-111,8068	140-1	0,41370
140	0,82741	COMB6	-106,0304	140-1	0,82741
140	1,24111	COMB6	-98,9704	140-1	1,24111
140	0,00000	COMB8	-125,6034	140-1	0,00000
140	0,41370	COMB8	-120,7513	140-1	0,41370
140	0,82741	COMB8	-114,5128	140-1	0,82741
140	1,24111	COMB8	-106,8880	140-1	1,24111
140	0,00000	COMB8bis	-106,9955	140-1	0,00000
140	0,41370	COMB8bis	-102,8622	140-1	0,41370
140	0,82741	COMB8bis	-97,5480	140-1	0,82741
140	1,24111	COMB8bis	-91,0527	140-1	1,24111
141	0,00000	COMB1	-98,9704	141-1	0,00000
141	0,41370	COMB1	-90,6267	141-1	0,41370
141	0,82741	COMB1	-80,9994	141-1	0,82741
141	1,24111	COMB1	-70,0885	141-1	1,24111
141	0,00000	COMB2	-98,9704	141-1	0,00000
141	0,41370	COMB2	-90,6267	141-1	0,41370
141	0,82741	COMB2	-80,9994	141-1	0,82741
141	1,24111	COMB2	-70,0885	141-1	1,24111
141	0,00000	COMB4	-98,9704	141-1	0,00000
141	0,41370	COMB4	-90,6267	141-1	0,41370
141	0,82741	COMB4	-80,9994	141-1	0,82741
141	1,24111	COMB4	-70,0885	141-1	1,24111

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
141	0,00000	COMB5	-98,9704	141-1	0,00000
141	0,41370	COMB5	-90,6267	141-1	0,41370
141	0,82741	COMB5	-80,9994	141-1	0,82741
141	1,24111	COMB5	-70,0885	141-1	1,24111
141	0,00000	COMB6	-98,9704	141-1	0,00000
141	0,41370	COMB6	-90,6267	141-1	0,41370
141	0,82741	COMB6	-80,9994	141-1	0,82741
141	1,24111	COMB6	-70,0885	141-1	1,24111
141	0,00000	COMB8	-106,8880	141-1	0,00000
141	0,41370	COMB8	-97,8769	141-1	0,41370
141	0,82741	COMB8	-87,4794	141-1	0,82741
141	1,24111	COMB8	-75,6956	141-1	1,24111
141	0,00000	COMB8bis	-91,0527	141-1	0,00000
141	0,41370	COMB8bis	-83,3766	141-1	0,41370
141	0,82741	COMB8bis	-74,5195	141-1	0,82741
141	1,24111	COMB8bis	-64,4814	141-1	1,24111
142	0,00000	COMB1	-70,0885	142-1	0,00000
142	0,41370	COMB1	-57,8940	142-1	0,41370
142	0,82741	COMB1	-44,4158	142-1	0,82741
142	1,24111	COMB1	-29,6539	142-1	1,24111
142	0,00000	COMB2	-70,0885	142-1	0,00000
142	0,41370	COMB2	-57,8940	142-1	0,41370
142	0,82741	COMB2	-44,4158	142-1	0,82741
142	1,24111	COMB2	-29,6539	142-1	1,24111
142	0,00000	COMB4	-70,0885	142-1	0,00000
142	0,41370	COMB4	-57,8940	142-1	0,41370
142	0,82741	COMB4	-44,4158	142-1	0,82741
142	1,24111	COMB4	-29,6539	142-1	1,24111
142	0,00000	COMB5	-70,0885	142-1	0,00000
142	0,41370	COMB5	-57,8940	142-1	0,41370
142	0,82741	COMB5	-44,4158	142-1	0,82741
142	1,24111	COMB5	-29,6539	142-1	1,24111
142	0,00000	COMB6	-70,0885	142-1	0,00000
142	0,41370	COMB6	-57,8940	142-1	0,41370
142	0,82741	COMB6	-44,4158	142-1	0,82741
142	1,24111	COMB6	-29,6539	142-1	1,24111
142	0,00000	COMB8	-75,6956	142-1	0,00000
142	0,41370	COMB8	-62,5255	142-1	0,41370
142	0,82741	COMB8	-47,9690	142-1	0,82741
142	1,24111	COMB8	-32,0262	142-1	1,24111
142	0,00000	COMB8bis	-64,4814	142-1	0,00000
142	0,41370	COMB8bis	-53,2624	142-1	0,41370
142	0,82741	COMB8bis	-40,8625	142-1	0,82741
142	1,24111	COMB8bis	-27,2816	142-1	1,24111
143	0,00000	COMB1	-29,6539	143-1	0,00000
143	0,37056	COMB1	-15,3419	143-1	0,37056
143	0,74111	COMB1	2,833E-13	143-1	0,74111
143	0,00000	COMB2	-29,6539	143-1	0,00000
143	0,37056	COMB2	-15,3419	143-1	0,37056
143	0,74111	COMB2	3,934E-13	143-1	0,74111
143	0,00000	COMB4	-29,6539	143-1	0,00000
143	0,37056	COMB4	-15,3419	143-1	0,37056
143	0,74111	COMB4	2,606E-13	143-1	0,74111
143	0,00000	COMB5	-29,6539	143-1	0,00000
143	0,37056	COMB5	-15,3419	143-1	0,37056

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
143	0,74111	COMB5	3,707E-13	143-1	0,74111
143	0,00000	COMB6	-29,6539	143-1	0,00000
143	0,37056	COMB6	-15,3419	143-1	0,37056
143	0,74111	COMB6	3,698E-13	143-1	0,74111
143	0,00000	COMB8	-32,0262	143-1	0,00000
143	0,37056	COMB8	-16,5692	143-1	0,37056
143	0,74111	COMB8	3,630E-13	143-1	0,74111
143	0,00000	COMB8bis	-27,2816	143-1	0,00000
143	0,37056	COMB8bis	-14,1145	143-1	0,37056
143	0,74111	COMB8bis	3,312E-13	143-1	0,74111

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

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

Frame	Joint	OutputCase	CaseType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
1	1	COMB1	Combination	-3,368	-0,555	1833,857	-180,4302	33,9848
1	2	COMB1	Combination	3,368	0,555	-1782,143	173,4918	-1359,3272
1	1	COMB2	Combination	-3,368	-0,555	1833,857	-180,4302	33,9848
1	2	COMB2	Combination	3,368	0,555	-1782,143	173,4918	-1359,3272
1	1	COMB4	Combination	-3,368	-0,555	1833,857	-180,4302	33,9848
1	2	COMB4	Combination	3,368	0,555	-1782,143	173,4918	-1359,3272
1	1	COMB5	Combination	-3,368	-0,555	1833,857	-180,4302	33,9848
1	2	COMB5	Combination	3,368	0,555	-1782,143	173,4918	-1359,3272
1	1	COMB6	Combination	-3,368	-0,555	1833,857	-180,4302	33,9848
1	2	COMB6	Combination	3,368	0,555	-1782,143	173,4918	-1359,3272
1	1	COMB8	Combination	-3,638	-0,599	1980,565	-194,8646	36,7036
1	2	COMB8	Combination	3,638	0,599	-1924,715	187,3712	-1468,0733
1	1	COMB8bis	Combination	-3,099	-0,510	1687,148	-165,9958	31,2660
1	2	COMB8bis	Combination	3,099	0,510	-1639,572	159,6125	-1250,5810
2	2	COMB1	Combination	-1,384	-0,508	1177,857	-120,2192	802,0005
2	3	COMB1	Combination	1,384	0,508	-1126,143	122,3672	-1903,3162
2	2	COMB2	Combination	-1,384	-0,508	1177,857	-120,2192	802,0005
2	3	COMB2	Combination	1,384	0,508	-1126,143	122,3672	-1903,3162
2	2	COMB4	Combination	-1,384	-0,508	1177,857	-120,2192	802,0005
2	3	COMB4	Combination	1,384	0,508	-1126,143	122,3672	-1903,3162
2	2	COMB5	Combination	-1,384	-0,508	1177,857	-120,2192	802,0005
2	3	COMB5	Combination	1,384	0,508	-1126,143	122,3672	-1903,3162
2	2	COMB6	Combination	-1,384	-0,508	1177,857	-120,2192	802,0005
2	3	COMB6	Combination	1,384	0,508	-1126,143	122,3672	-1903,3162
2	2	COMB8	Combination	-1,494	-0,548	1272,085	-129,8367	866,1605
2	3	COMB8	Combination	1,494	0,548	-1216,235	132,1566	-2055,5815
2	2	COMB8bis	Combination	-1,273	-0,467	1083,628	-110,6017	737,8405
2	3	COMB8bis	Combination	1,273	0,467	-1036,052	112,5778	-1751,0509
3	3	COMB1	Combination	-4,024	-0,496	25,857	-124,4617	1953,9848
3	4	COMB1	Combination	3,024	0,496	25,857	101,5862	-2543,3272
3	3	COMB2	Combination	-4,024	-0,496	25,857	-124,4617	1953,9848
3	4	COMB2	Combination	3,024	0,496	25,857	101,5862	-2543,3272
3	3	COMB4	Combination	-4,024	-0,496	25,857	-124,4617	1953,9848
3	4	COMB4	Combination	3,024	0,496	25,857	101,5862	-2543,3272
3	3	COMB5	Combination	-4,024	-0,496	25,857	-124,4617	1953,9848
3	4	COMB5	Combination	3,024	0,496	25,857	101,5862	-2543,3272
3	3	COMB6	Combination	-4,024	-0,496	25,857	-124,4617	1953,9848
3	4	COMB6	Combination	3,024	0,496	25,857	101,5862	-2543,3272
3	3	COMB8	Combination	-4,346	-0,536	27,925	-134,4187	2110,3036

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

Frame	Joint	OutputCase	CaseType	F1	F2	F3	M1	M2
				KN	KN	KN	KN-m	KN-m
3	4	COMB8	Combination	3,266	0,536	27,925	109,7131	-2746,7933
3	3	COMB8bis	Combination	-3,702	-0,456	23,788	-114,5048	1797,6660
3	4	COMB8bis	Combination	2,782	0,456	23,788	93,4593	-2339,8610
4	4	COMB1	Combination	-3,433	-0,293	1113,857	-65,1191	1921,9848
4	5	COMB1	Combination	3,433	0,293	-1062,143	71,0576	-2383,3272
4	4	COMB2	Combination	-3,433	-0,293	1113,857	-65,1191	1921,9848
4	5	COMB2	Combination	3,433	0,293	-1062,143	71,0576	-2383,3272
4	4	COMB4	Combination	-3,433	-0,293	1113,857	-65,1191	1921,9848
4	5	COMB4	Combination	3,433	0,293	-1062,143	71,0576	-2383,3272
4	4	COMB5	Combination	-3,433	-0,293	1113,857	-65,1191	1921,9848
4	5	COMB5	Combination	3,433	0,293	-1062,143	71,0576	-2383,3272
4	4	COMB6	Combination	-3,433	-0,293	1113,857	-65,1191	1921,9848
4	5	COMB6	Combination	3,433	0,293	-1062,143	71,0576	-2383,3272
4	4	COMB8	Combination	-3,707	-0,316	1202,965	-70,3286	2075,7436
4	5	COMB8	Combination	3,707	0,316	-1147,115	76,7422	-2573,9933
4	4	COMB8bis	Combination	-3,158	-0,270	1024,748	-59,9095	1768,2260
4	5	COMB8bis	Combination	3,158	0,270	-977,172	65,3730	-2192,6610
5	5	COMB1	Combination	-3,348	-0,359	169,857	-65,1445	2033,9848
5	6	COMB1	Combination	3,348	0,359	-118,143	63,1118	-2351,3272
5	5	COMB2	Combination	-3,348	-0,359	169,857	-65,1445	2033,9848
5	6	COMB2	Combination	3,348	0,359	-118,143	63,1118	-2351,3272
5	5	COMB4	Combination	-3,348	-0,359	169,857	-65,1445	2033,9848
5	6	COMB4	Combination	3,348	0,359	-118,143	63,1118	-2351,3272
5	5	COMB5	Combination	-3,348	-0,359	169,857	-65,1445	2033,9848
5	6	COMB5	Combination	3,348	0,359	-118,143	63,1118	-2351,3272
5	5	COMB6	Combination	-3,348	-0,359	169,857	-65,1445	2033,9848
5	6	COMB6	Combination	3,348	0,359	-118,143	63,1118	-2351,3272
5	5	COMB8	Combination	-3,616	-0,388	183,445	-70,3560	2196,7036
5	6	COMB8	Combination	3,616	0,388	-127,595	68,1608	-2539,4333
5	5	COMB8bis	Combination	-3,080	-0,331	156,268	-59,9329	1871,2660
5	6	COMB8bis	Combination	3,080	0,331	-108,692	58,0629	-2163,2210
6	6	COMB1	Combination	-0,458	-0,191	-38,143	-68,5377	2529,9848
6	7	COMB1	Combination	0,458	0,191	89,857	69,7464	-2415,3272
6	6	COMB2	Combination	-0,458	-0,191	-38,143	-68,5377	2529,9848
6	7	COMB2	Combination	0,458	0,191	89,857	69,7464	-2415,3272
6	6	COMB4	Combination	-0,458	-0,191	-38,143	-68,5377	2529,9848
6	7	COMB4	Combination	0,458	0,191	89,857	69,7464	-2415,3272
6	6	COMB5	Combination	-0,458	-0,191	-38,143	-68,5377	2529,9848
6	7	COMB5	Combination	0,458	0,191	89,857	69,7464	-2415,3272
6	6	COMB6	Combination	-0,458	-0,191	-38,143	-68,5377	2529,9848
6	7	COMB6	Combination	0,458	0,191	89,857	69,7464	-2415,3272
6	6	COMB8	Combination	-0,495	-0,207	-41,195	-74,0207	2732,3836
6	7	COMB8	Combination	0,495	0,207	97,045	75,3261	-2608,5533
6	6	COMB8bis	Combination	-0,421	-0,176	-35,092	-63,0547	2327,5860
6	7	COMB8bis	Combination	0,421	0,176	82,668	64,1667	-2222,1010
7	7	COMB1	Combination	-1,052	-0,145	-694,143	-32,7942	2113,9376
7	8	COMB1	Combination	1,052	0,145	745,857	42,8417	-1263,3601
7	7	COMB2	Combination	-1,052	-0,145	-694,143	-32,7942	2113,9376
7	8	COMB2	Combination	1,052	0,145	745,857	42,8417	-1263,3601
7	7	COMB4	Combination	-1,052	-0,145	-694,143	-32,7942	2113,9376
7	8	COMB4	Combination	1,052	0,145	745,857	42,8417	-1263,3601
7	7	COMB5	Combination	-1,052	-0,145	-694,143	-32,7942	2113,9376
7	8	COMB5	Combination	1,052	0,145	745,857	42,8417	-1263,3601
7	7	COMB6	Combination	-1,052	-0,145	-694,143	-32,7942	2113,9376
7	8	COMB6	Combination	1,052	0,145	745,857	42,8417	-1263,3601

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

Frame	Joint	OutputCase	CaseType	F1	F2	F3	M1	M2
				KN	KN	KN	KN-m	KN-m
7	7	COMB8	Combination	-1,136	-0,156	-749,675	-35,4178	2283,0527
7	8	COMB8	Combination	1,136	0,156	805,525	46,2690	-1364,4289
7	7	COMB8bis	Combination	-0,968	-0,133	-638,612	-30,1707	1944,8226
7	8	COMB8bis	Combination	0,968	0,133	686,188	39,4144	-1162,2913
8	8	COMB1	Combination	1,909	-0,109	-374,143	-34,8436	1090,0476
8	9	COMB1	Combination	-1,909	0,109	425,857	42,7411	-495,2833
8	8	COMB2	Combination	1,909	-0,109	-374,143	-34,8436	1090,0476
8	9	COMB2	Combination	-1,909	0,109	425,857	42,7411	-495,2833
8	8	COMB4	Combination	1,909	-0,109	-374,143	-34,8436	1090,0476
8	9	COMB4	Combination	-1,909	0,109	425,857	42,7411	-495,2833
8	8	COMB5	Combination	1,909	-0,109	-374,143	-34,8436	1090,0476
8	9	COMB5	Combination	-1,909	0,109	425,857	42,7411	-495,2833
8	8	COMB6	Combination	1,909	-0,109	-374,143	-34,8436	1090,0476
8	9	COMB6	Combination	-1,909	0,109	425,857	42,7411	-495,2833
8	8	COMB8	Combination	2,062	-0,118	-404,075	-37,6311	1177,2515
8	9	COMB8	Combination	-2,062	0,118	459,925	46,1604	-534,9059
8	8	COMB8bis	Combination	1,756	-0,101	-344,212	-32,0561	1002,8438
8	9	COMB8bis	Combination	-1,756	0,101	391,788	39,3218	-455,6606
9	9	COMB1	Combination	0,644	-0,133	-534,143	-25,2000	257,9848
9	10	COMB1	Combination	-0,644	0,133	585,857	15,2280	176,6728
9	9	COMB2	Combination	0,644	-0,133	-534,143	-25,2000	257,9848
9	10	COMB2	Combination	-0,644	0,133	585,857	15,2280	176,6728
9	9	COMB4	Combination	0,644	-0,133	-534,143	-25,2000	257,9848
9	10	COMB4	Combination	-0,644	0,133	585,857	15,2280	176,6728
9	9	COMB5	Combination	0,644	-0,133	-534,143	-25,2000	257,9848
9	10	COMB5	Combination	-0,644	0,133	585,857	15,2280	176,6728
9	9	COMB6	Combination	0,644	-0,133	-534,143	-25,2000	257,9848
9	10	COMB6	Combination	-0,644	0,133	585,857	15,2280	176,6728
9	9	COMB8	Combination	0,695	-0,143	-576,875	-27,2160	278,6236
9	10	COMB8	Combination	-0,695	0,143	632,725	16,4462	190,8067
9	9	COMB8bis	Combination	0,592	-0,122	-491,412	-23,1840	237,3460
9	10	COMB8bis	Combination	-0,592	0,122	538,988	14,0097	162,5390
10	10	COMB1	Combination	2,072	-0,133	441,857	-36,5668	65,9848
10	11	COMB1	Combination	-2,072	0,133	-390,143	29,8073	48,6728
10	10	COMB2	Combination	2,072	-0,133	441,857	-36,5668	65,9848
10	11	COMB2	Combination	-2,072	0,133	-390,143	29,8073	48,6728
10	10	COMB4	Combination	2,072	-0,133	441,857	-36,5668	65,9848
10	11	COMB4	Combination	-2,072	0,133	-390,143	29,8073	48,6728
10	10	COMB5	Combination	2,072	-0,133	441,857	-36,5668	65,9848
10	11	COMB5	Combination	-2,072	0,133	-390,143	29,8073	48,6728
10	10	COMB6	Combination	2,072	-0,133	441,857	-36,5668	65,9848
10	11	COMB6	Combination	-2,072	0,133	-390,143	29,8073	48,6728
10	10	COMB8	Combination	2,238	-0,143	477,205	-39,4922	71,2636
10	11	COMB8	Combination	-2,238	0,143	-421,355	32,1919	52,5667
10	10	COMB8bis	Combination	1,906	-0,122	406,508	-33,6415	60,7060
10	11	COMB8bis	Combination	-1,906	0,122	-358,932	27,4227	44,7790
11	11	COMB1	Combination	0,404	-0,129	329,857	-55,9313	113,9848
11	12	COMB1	Combination	-0,404	0,129	-278,143	36,3827	240,6728
11	11	COMB2	Combination	0,404	-0,129	329,857	-55,9313	113,9848
11	12	COMB2	Combination	-0,404	0,129	-278,143	36,3827	240,6728
11	11	COMB4	Combination	0,404	-0,129	329,857	-55,9313	113,9848
11	12	COMB4	Combination	-0,404	0,129	-278,143	36,3827	240,6728
11	11	COMB5	Combination	0,404	-0,129	329,857	-55,9313	113,9848
11	12	COMB5	Combination	-0,404	0,129	-278,143	36,3827	240,6728
11	11	COMB6	Combination	0,404	-0,129	329,857	-55,9313	113,9848

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

Frame	Joint	OutputCase	CaseType	F1	F2	F3	M1	M2
				KN	KN	KN	KN-m	KN-m
11	12	COMB6	Combination	-0,404	0,129	-278,143	36,3827	240,6728
11	11	COMB8	Combination	0,436	-0,139	356,245	-60,4058	123,1036
11	12	COMB8	Combination	-0,436	0,139	-300,395	39,2934	259,9267
11	11	COMB8bis	Combination	0,371	-0,119	303,468	-51,4568	104,8660
11	12	COMB8bis	Combination	-0,371	0,119	-255,892	33,4721	221,4190
12	12	COMB1	Combination	2,349	-0,152	217,857	-7,9321	-13,9995
12	13	COMB1	Combination	-2,349	0,152	-166,143	22,1921	-47,3162
12	12	COMB2	Combination	2,349	-0,152	217,857	-7,9321	-13,9995
12	13	COMB2	Combination	-2,349	0,152	-166,143	22,1921	-47,3162
12	12	COMB4	Combination	2,349	-0,152	217,857	-7,9321	-13,9995
12	13	COMB4	Combination	-2,349	0,152	-166,143	22,1921	-47,3162
12	12	COMB5	Combination	2,349	-0,152	217,857	-7,9321	-13,9995
12	13	COMB5	Combination	-2,349	0,152	-166,143	22,1921	-47,3162
12	12	COMB6	Combination	2,349	-0,152	217,857	-7,9321	-13,9995
12	13	COMB6	Combination	-2,349	0,152	-166,143	22,1921	-47,3162
12	12	COMB8	Combination	2,537	-0,165	235,285	-8,5667	-15,1195
12	13	COMB8	Combination	-2,537	0,165	-179,435	23,9674	-51,1015
12	12	COMB8bis	Combination	2,161	-0,140	200,428	-7,2976	-12,8795
12	13	COMB8bis	Combination	-2,161	0,140	-152,852	20,4167	-43,5309
13	13	COMB1	Combination	1,031	-0,139	183,083	-190,2522	157,2141
13	14	COMB1	Combination	-1,031	0,264	-137,662	162,5553	-167,1978
13	13	COMB2	Combination	1,031	-0,139	183,083	-190,2522	157,2141
13	14	COMB2	Combination	-1,031	0,264	-137,662	162,5553	-167,1978
13	13	COMB4	Combination	1,031	-0,139	183,083	-190,2522	157,2141
13	14	COMB4	Combination	-1,031	0,264	-137,662	162,5553	-167,1978
13	13	COMB5	Combination	1,031	-0,139	183,083	-190,2522	157,2141
13	14	COMB5	Combination	-1,031	0,264	-137,662	162,5553	-167,1978
13	13	COMB6	Combination	1,031	-0,139	183,083	-190,2522	157,2141
13	14	COMB6	Combination	-1,031	0,264	-137,662	162,5553	-167,1978
13	13	COMB8	Combination	1,114	-0,151	197,730	-205,4724	169,7912
13	14	COMB8	Combination	-1,114	0,286	-148,675	175,5597	-180,5736
13	13	COMB8bis	Combination	0,949	-0,128	168,436	-175,0320	144,6370
13	14	COMB8bis	Combination	-0,949	0,243	-126,649	149,5509	-153,8220
14	14	COMB1	Combination	1,270	-0,373	695,501	372,5811	157,1485
14	15	COMB1	Combination	-1,270	0,373	-650,080	-1148,7000	-175,1980
14	14	COMB2	Combination	1,270	-0,373	695,501	372,5811	157,1485
14	15	COMB2	Combination	-1,270	0,373	-650,080	-1148,7000	-175,1980
14	14	COMB4	Combination	1,270	-0,373	695,501	372,5811	157,1485
14	15	COMB4	Combination	-1,270	0,373	-650,080	-1148,7000	-175,1980
14	14	COMB5	Combination	1,270	-0,373	695,501	372,5811	157,1485
14	15	COMB5	Combination	-1,270	0,373	-650,080	-1148,7000	-175,1980
14	14	COMB6	Combination	1,270	-0,373	695,501	372,5811	157,1485
14	15	COMB6	Combination	-1,270	0,373	-650,080	-1148,7000	-175,1980
14	14	COMB8	Combination	1,371	-0,403	751,141	402,3876	169,7203
14	15	COMB8	Combination	-1,371	0,403	-702,087	-1240,5960	-189,2139
14	14	COMB8bis	Combination	1,168	-0,343	639,861	342,7746	144,5766
14	15	COMB8bis	Combination	-1,168	0,343	-598,074	-1056,8040	-161,1822
15	15	COMB1	Combination	0,254	-0,353	688,461	947,9470	165,2155
15	16	COMB1	Combination	-0,254	0,353	-643,041	-1610,7332	-167,1969
15	15	COMB2	Combination	0,254	-0,353	688,461	947,9470	165,2155
15	16	COMB2	Combination	-0,254	0,353	-643,041	-1610,7332	-167,1969
15	15	COMB4	Combination	0,254	-0,353	688,461	947,9470	165,2155
15	16	COMB4	Combination	-0,254	0,353	-643,041	-1610,7332	-167,1969
15	15	COMB5	Combination	0,254	-0,353	688,461	947,9470	165,2155
15	16	COMB5	Combination	-0,254	0,353	-643,041	-1610,7332	-167,1969

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

Frame	Joint	OutputCase	CaseType	F1	F2	F3	M1	M2
				KN	KN	KN	KN-m	KN-m
15	15	COMB6	Combination	0,254	-0,353	688,461	947,9470	165,2155
15	16	COMB6	Combination	-0,254	0,353	-643,041	-1610,7332	-167,1969
15	15	COMB8	Combination	0,274	-0,381	743,538	1023,7828	178,4328
15	16	COMB8	Combination	-0,274	0,381	-694,484	-1739,5918	-180,5727
15	15	COMB8bis	Combination	0,234	-0,325	633,384	872,1113	151,9983
15	16	COMB8bis	Combination	-0,234	0,325	-591,597	-1481,8745	-153,8212
16	16	COMB1	Combination	0,246	-0,387	299,375	1632,5897	165,2491
16	17	COMB1	Combination	-0,246	0,262	-381,954	-1919,5240	-183,1963
16	16	COMB2	Combination	0,246	-0,387	299,375	1632,5897	165,2491
16	17	COMB2	Combination	-0,246	0,262	-381,954	-1919,5240	-183,1963
16	16	COMB4	Combination	0,246	-0,387	299,375	1632,5897	165,2491
16	17	COMB4	Combination	-0,246	0,262	-381,954	-1919,5240	-183,1963
16	16	COMB5	Combination	0,246	-0,387	299,375	1632,5897	165,2491
16	17	COMB5	Combination	-0,246	0,262	-381,954	-1919,5240	-183,1963
16	16	COMB6	Combination	0,246	-0,387	299,375	1632,5897	165,2491
16	17	COMB6	Combination	-0,246	0,262	-381,954	-1919,5240	-183,1963
16	16	COMB8	Combination	0,266	-0,418	323,325	1763,1969	178,4691
16	17	COMB8	Combination	-0,266	0,283	-412,511	-2073,0860	-197,8520
16	16	COMB8bis	Combination	0,226	-0,356	275,425	1501,9826	152,0292
16	17	COMB8bis	Combination	-0,226	0,241	-351,398	-1765,9621	-168,5406
17	17	COMB1	Combination	0,023	-0,299	175,868	2126,8020	181,1155
17	18	COMB1	Combination	-0,023	0,236	-130,448	-2321,2026	-199,1982
17	17	COMB2	Combination	0,023	-0,299	175,868	2126,8020	181,1155
17	18	COMB2	Combination	-0,023	0,236	-130,448	-2321,2026	-199,1982
17	17	COMB4	Combination	0,023	-0,299	175,868	2126,8020	181,1155
17	18	COMB4	Combination	-0,023	0,236	-130,448	-2321,2026	-199,1982
17	17	COMB5	Combination	0,023	-0,299	175,868	2126,8020	181,1155
17	18	COMB5	Combination	-0,023	0,236	-130,448	-2321,2026	-199,1982
17	17	COMB6	Combination	0,023	-0,299	175,868	2126,8020	181,1155
17	18	COMB6	Combination	-0,023	0,236	-130,448	-2321,2026	-199,1982
17	17	COMB8	Combination	0,025	-0,323	189,938	2296,9462	195,6048
17	18	COMB8	Combination	-0,025	0,255	-140,883	-2506,8988	-215,1340
17	17	COMB8bis	Combination	0,022	-0,275	161,799	1956,6578	166,6263
17	18	COMB8bis	Combination	-0,022	0,217	-120,012	-2135,5064	-183,2623
18	18	COMB1	Combination	-0,102	-0,188	-370,901	2399,8173	87,8881
18	19	COMB1	Combination	0,102	0,188	414,114	-2259,8402	-87,8047
18	18	COMB2	Combination	-0,102	-0,188	-370,901	2399,8173	87,8881
18	19	COMB2	Combination	0,102	0,188	414,114	-2259,8402	-87,8047
18	18	COMB4	Combination	-0,102	-0,188	-370,901	2399,8173	87,8881
18	19	COMB4	Combination	0,102	0,188	414,114	-2259,8402	-87,8047
18	18	COMB5	Combination	-0,102	-0,188	-370,901	2399,8173	87,8881
18	19	COMB5	Combination	0,102	0,188	414,114	-2259,8402	-87,8047
18	18	COMB6	Combination	-0,102	-0,188	-370,901	2399,8173	87,8881
18	19	COMB6	Combination	0,102	0,188	414,114	-2259,8402	-87,8047
18	18	COMB8	Combination	-0,110	-0,203	-400,573	2591,8027	94,9191
18	19	COMB8	Combination	0,110	0,203	447,243	-2440,6274	-94,8291
18	18	COMB8bis	Combination	-0,093	-0,173	-341,229	2207,8319	80,8570
18	19	COMB8bis	Combination	0,093	0,173	380,985	-2079,0530	-80,7803
19	19	COMB1	Combination	-0,246	-0,296	-365,107	2182,6976	39,8880
19	20	COMB1	Combination	0,246	0,296	408,319	-1916,2995	-31,8048
19	19	COMB2	Combination	-0,246	-0,296	-365,107	2182,6976	39,8880
19	20	COMB2	Combination	0,246	0,296	408,319	-1916,2995	-31,8048
19	19	COMB4	Combination	-0,246	-0,296	-365,107	2182,6976	39,8880
19	20	COMB4	Combination	0,246	0,296	408,319	-1916,2995	-31,8048
19	19	COMB5	Combination	-0,246	-0,296	-365,107	2182,6976	39,8880

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

Frame	Joint	OutputCase	CaseType	F1	F2	F3	M1	M2
				KN	KN	KN	KN-m	KN-m
19	20	COMB5	Combination	0,246	0,296	408,319	-1916,2995	-31,8048
19	19	COMB6	Combination	-0,246	-0,296	-365,107	2182,6976	39,8880
19	20	COMB6	Combination	0,246	0,296	408,319	-1916,2995	-31,8048
19	19	COMB8	Combination	-0,266	-0,320	-394,315	2357,3134	43,0791
19	20	COMB8	Combination	0,266	0,320	440,985	-2069,6035	-34,3491
19	19	COMB8bis	Combination	-0,226	-0,272	-335,898	2008,0818	36,6970
19	20	COMB8bis	Combination	0,226	0,272	375,654	-1762,9955	-29,2604
20	20	COMB1	Combination	-1,035	-0,187	-386,023	1891,4616	39,8880
20	21	COMB1	Combination	1,035	0,187	429,235	-1731,6490	-55,8048
20	20	COMB2	Combination	-1,035	-0,187	-386,023	1891,4616	39,8880
20	21	COMB2	Combination	1,035	0,187	429,235	-1731,6490	-55,8048
20	20	COMB4	Combination	-1,035	-0,187	-386,023	1891,4616	39,8880
20	21	COMB4	Combination	1,035	0,187	429,235	-1731,6490	-55,8048
20	20	COMB5	Combination	-1,035	-0,187	-386,023	1891,4616	39,8880
20	21	COMB5	Combination	1,035	0,187	429,235	-1731,6490	-55,8048
20	20	COMB6	Combination	-1,035	-0,187	-386,023	1891,4616	39,8880
20	21	COMB6	Combination	1,035	0,187	429,235	-1731,6490	-55,8048
20	20	COMB8	Combination	-1,118	-0,202	-416,905	2042,7785	43,0790
20	21	COMB8	Combination	1,118	0,202	463,574	-1870,1810	-60,2692
20	20	COMB8bis	Combination	-0,952	-0,172	-355,141	1740,1446	36,6969
20	21	COMB8bis	Combination	0,952	0,172	394,897	-1593,1171	-51,3404
21	21	COMB1	Combination	0,266	-0,252	-348,228	1482,3413	39,8880
21	22	COMB1	Combination	-0,266	0,252	391,441	-876,1088	-39,8048
21	21	COMB2	Combination	0,266	-0,252	-348,228	1482,3413	39,8880
21	22	COMB2	Combination	-0,266	0,252	391,441	-876,1088	-39,8048
21	21	COMB4	Combination	0,266	-0,252	-348,228	1482,3413	39,8880
21	22	COMB4	Combination	-0,266	0,252	391,441	-876,1088	-39,8048
21	21	COMB5	Combination	0,266	-0,252	-348,228	1482,3413	39,8880
21	22	COMB5	Combination	-0,266	0,252	391,441	-876,1088	-39,8048
21	21	COMB6	Combination	0,266	-0,252	-348,228	1482,3413	39,8880
21	22	COMB6	Combination	-0,266	0,252	391,441	-876,1088	-39,8048
21	21	COMB8	Combination	0,287	-0,272	-376,086	1600,9287	43,0790
21	22	COMB8	Combination	-0,287	0,272	422,756	-946,1975	-42,9892
21	21	COMB8bis	Combination	0,244	-0,232	-320,370	1363,7540	36,6969
21	22	COMB8bis	Combination	-0,244	0,232	360,126	-806,0201	-36,6204
22	22	COMB1	Combination	-0,422	-0,185	-539,348	1069,9866	47,8879
22	23	COMB1	Combination	0,422	0,154	582,560	-411,9206	-31,8048
22	22	COMB2	Combination	-0,422	-0,185	-539,348	1069,9866	47,8879
22	23	COMB2	Combination	0,422	0,154	582,560	-411,9206	-31,8048
22	22	COMB4	Combination	-0,422	-0,185	-539,348	1069,9866	47,8879
22	23	COMB4	Combination	0,422	0,154	582,560	-411,9206	-31,8048
22	22	COMB5	Combination	-0,422	-0,185	-539,348	1069,9866	47,8879
22	23	COMB5	Combination	0,422	0,154	582,560	-411,9206	-31,8048
22	22	COMB6	Combination	-0,422	-0,185	-539,348	1069,9866	47,8879
22	23	COMB6	Combination	0,422	0,154	582,560	-411,9206	-31,8048
22	22	COMB8	Combination	-0,456	-0,200	-582,495	1155,5855	51,7190
22	23	COMB8	Combination	0,456	0,166	629,165	-444,8743	-34,3492
22	22	COMB8bis	Combination	-0,388	-0,171	-496,200	984,3877	44,0569
22	23	COMB8bis	Combination	0,388	0,142	535,955	-378,9670	-29,2604
23	23	COMB1	Combination	-0,148	-0,143	-491,348	333,9856	23,8880
23	24	COMB1	Combination	0,148	0,143	534,561	100,0813	-23,8048
23	23	COMB2	Combination	-0,148	-0,143	-491,348	333,9856	23,8880
23	24	COMB2	Combination	0,148	0,143	534,561	100,0813	-23,8048
23	23	COMB4	Combination	-0,148	-0,143	-491,348	333,9856	23,8880
23	24	COMB4	Combination	0,148	0,143	534,561	100,0813	-23,8048

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

Frame	Joint	OutputCase	CaseType	F1	F2	F3	M1	M2
				KN	KN	KN	KN-m	KN-m
23	23	COMB5	Combination	-0,148	-0,143	-491,348	333,9856	23,8880
23	24	COMB5	Combination	0,148	0,143	534,561	100,0813	-23,8048
23	23	COMB6	Combination	-0,148	-0,143	-491,348	333,9856	23,8880
23	24	COMB6	Combination	0,148	0,143	534,561	100,0813	-23,8048
23	23	COMB8	Combination	-0,160	-0,155	-530,656	360,7045	25,7990
23	24	COMB8	Combination	0,160	0,155	577,326	108,0878	-25,7092
23	23	COMB8bis	Combination	-0,137	-0,132	-452,040	307,2668	21,9769
23	24	COMB8bis	Combination	0,137	0,132	491,796	92,0748	-21,9004
24	24	COMB1	Combination	-1,367	-0,260	-203,795	96,3112	61,8645
24	25	COMB1	Combination	1,367	0,260	247,008	350,5947	-65,8099
24	24	COMB2	Combination	-1,367	-0,260	-203,795	96,3112	61,8645
24	25	COMB2	Combination	1,367	0,260	247,008	350,5947	-65,8099
24	24	COMB4	Combination	-1,367	-0,260	-203,795	96,3112	61,8645
24	25	COMB4	Combination	1,367	0,260	247,008	350,5947	-65,8099
24	24	COMB5	Combination	-1,367	-0,260	-203,795	96,3112	61,8645
24	25	COMB5	Combination	1,367	0,260	247,008	350,5947	-65,8099
24	24	COMB6	Combination	-1,367	-0,260	-203,795	96,3112	61,8645
24	25	COMB6	Combination	1,367	0,260	247,008	350,5947	-65,8099
24	24	COMB8	Combination	-1,477	-0,281	-220,099	104,0161	66,8137
24	25	COMB8	Combination	1,477	0,281	266,768	378,6422	-71,0747
24	24	COMB8bis	Combination	-1,258	-0,239	-187,491	88,6063	56,9153
24	25	COMB8bis	Combination	1,258	0,239	227,247	322,5471	-60,5451
25	25	COMB1	Combination	-0,952	-0,223	313,856	-266,6752	68,4575
25	26	COMB1	Combination	0,952	0,223	-262,144	262,0828	123,5435
25	25	COMB2	Combination	-0,952	-0,223	313,856	-266,6752	68,4575
25	26	COMB2	Combination	0,952	0,223	-262,144	262,0828	123,5435
25	25	COMB4	Combination	-0,952	-0,223	313,856	-266,6752	68,4575
25	26	COMB4	Combination	0,952	0,223	-262,144	262,0828	123,5435
25	25	COMB5	Combination	-0,952	-0,223	313,856	-266,6752	68,4575
25	26	COMB5	Combination	0,952	0,223	-262,144	262,0828	123,5435
25	25	COMB6	Combination	-0,952	-0,223	313,856	-266,6752	68,4575
25	26	COMB6	Combination	0,952	0,223	-262,144	262,0828	123,5435
25	25	COMB8	Combination	-1,028	-0,240	338,965	-288,0092	73,9341
25	26	COMB8	Combination	1,028	0,240	-283,115	283,0494	133,4270
25	25	COMB8bis	Combination	-0,875	-0,205	288,748	-245,3412	62,9809
25	26	COMB8bis	Combination	0,875	0,205	-241,172	241,1162	113,6601
26	26	COMB1	Combination	-0,796	-0,195	-22,144	-271,9956	-27,5431
26	27	COMB1	Combination	0,796	0,195	73,856	272,0031	-100,4569
26	26	COMB2	Combination	-0,796	-0,195	-22,144	-271,9956	-27,5431
26	27	COMB2	Combination	0,796	0,195	73,856	272,0031	-100,4569
26	26	COMB4	Combination	-0,796	-0,195	-22,144	-271,9956	-27,5431
26	27	COMB4	Combination	0,796	0,195	73,856	272,0031	-100,4569
26	26	COMB5	Combination	-0,796	-0,195	-22,144	-271,9956	-27,5431
26	27	COMB5	Combination	0,796	0,195	73,856	272,0031	-100,4569
26	26	COMB6	Combination	-0,796	-0,195	-22,144	-271,9956	-27,5431
26	27	COMB6	Combination	0,796	0,195	73,856	272,0031	-100,4569
26	26	COMB8	Combination	-0,860	-0,211	-23,915	-293,7552	-29,7466
26	27	COMB8	Combination	0,860	0,211	79,765	293,7633	-108,4934
26	26	COMB8bis	Combination	-0,732	-0,180	-20,372	-250,2359	-25,3397
26	27	COMB8bis	Combination	0,732	0,180	67,948	250,2428	-92,4203
27	27	COMB1	Combination	-0,959	-0,180	249,856	-287,9956	148,4569
27	28	COMB1	Combination	0,959	0,180	-198,144	288,0031	-4,4569
27	27	COMB2	Combination	-0,959	-0,180	249,856	-287,9956	148,4569
27	28	COMB2	Combination	0,959	0,180	-198,144	288,0031	-4,4569
27	27	COMB4	Combination	-0,959	-0,180	249,856	-287,9956	148,4569

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

Frame	Joint	OutputCase	CaseType	F1	F2	F3	M1	M2
				KN	KN	KN	KN-m	KN-m
27	28	COMB4	Combination	0,959	0,180	-198,144	288,0031	-4,4569
27	27	COMB5	Combination	-0,959	-0,180	249,856	-287,9956	148,4569
27	28	COMB5	Combination	0,959	0,180	-198,144	288,0031	-4,4569
27	27	COMB6	Combination	-0,959	-0,180	249,856	-287,9956	148,4569
27	28	COMB6	Combination	0,959	0,180	-198,144	288,0031	-4,4569
27	27	COMB8	Combination	-1,036	-0,194	269,845	-311,0352	160,3334
27	28	COMB8	Combination	1,036	0,194	-213,995	311,0433	-4,8134
27	27	COMB8bis	Combination	-0,882	-0,165	229,868	-264,9559	136,5803
27	28	COMB8bis	Combination	0,882	0,165	-182,292	264,9628	-4,1003
28	28	COMB1	Combination	-1,148	-0,199	137,856	-338,0981	-139,5431
28	29	COMB1	Combination	1,148	0,199	-86,144	339,9495	283,5431
28	28	COMB2	Combination	-1,148	-0,199	137,856	-338,0981	-139,5431
28	29	COMB2	Combination	1,148	0,199	-86,144	339,9495	283,5431
28	28	COMB4	Combination	-1,148	-0,199	137,856	-338,0981	-139,5431
28	29	COMB4	Combination	1,148	0,199	-86,144	339,9495	283,5431
28	28	COMB5	Combination	-1,148	-0,199	137,856	-338,0981	-139,5431
28	29	COMB5	Combination	1,148	0,199	-86,144	339,9495	283,5431
28	28	COMB6	Combination	-1,148	-0,199	137,856	-338,0981	-139,5431
28	29	COMB6	Combination	1,148	0,199	-86,144	339,9495	283,5431
28	28	COMB8	Combination	-1,240	-0,215	148,885	-365,1460	-150,7066
28	29	COMB8	Combination	1,240	0,215	-93,035	367,1454	306,2266
28	28	COMB8bis	Combination	-1,056	-0,183	126,828	-311,0503	-128,3797
28	29	COMB8bis	Combination	1,056	0,183	-79,252	312,7535	260,8597
29	29	COMB1	Combination	-0,714	-0,180	185,856	-319,9967	-283,5431
29	30	COMB1	Combination	0,714	0,180	-134,144	320,0023	443,5431
29	29	COMB2	Combination	-0,714	-0,180	185,856	-319,9967	-283,5431
29	30	COMB2	Combination	0,714	0,180	-134,144	320,0023	443,5431
29	29	COMB4	Combination	-0,714	-0,180	185,856	-319,9967	-283,5431
29	30	COMB4	Combination	0,714	0,180	-134,144	320,0023	443,5431
29	29	COMB5	Combination	-0,714	-0,180	185,856	-319,9967	-283,5431
29	30	COMB5	Combination	0,714	0,180	-134,144	320,0023	443,5431
29	29	COMB6	Combination	-0,714	-0,180	185,856	-319,9967	-283,5431
29	30	COMB6	Combination	0,714	0,180	-134,144	320,0023	443,5431
29	29	COMB8	Combination	-0,771	-0,194	200,725	-345,5964	-306,2266
29	30	COMB8	Combination	0,771	0,194	-144,875	345,6025	479,0266
29	29	COMB8bis	Combination	-0,657	-0,165	170,988	-294,3970	-260,8597
29	30	COMB8bis	Combination	0,657	0,165	-123,412	294,4021	408,0597
30	30	COMB1	Combination	-0,449	-0,223	185,856	-351,9956	-427,5431
30	31	COMB1	Combination	0,449	0,223	-134,144	352,0031	603,5431
30	30	COMB2	Combination	-0,449	-0,223	185,856	-351,9956	-427,5431
30	31	COMB2	Combination	0,449	0,223	-134,144	352,0031	603,5431
30	30	COMB4	Combination	-0,449	-0,223	185,856	-351,9956	-427,5431
30	31	COMB4	Combination	0,449	0,223	-134,144	352,0031	603,5431
30	30	COMB5	Combination	-0,449	-0,223	185,856	-351,9956	-427,5431
30	31	COMB5	Combination	0,449	0,223	-134,144	352,0031	603,5431
30	30	COMB6	Combination	-0,449	-0,223	185,856	-351,9956	-427,5431
30	31	COMB6	Combination	0,449	0,223	-134,144	352,0031	603,5431
30	30	COMB8	Combination	-0,485	-0,240	200,725	-380,1552	-461,7466
30	31	COMB8	Combination	0,485	0,240	-144,875	380,1633	651,8266
30	30	COMB8bis	Combination	-0,413	-0,205	170,988	-323,8359	-393,3397
30	31	COMB8bis	Combination	0,413	0,205	-123,412	323,8428	555,2597
31	31	COMB1	Combination	-1,612	-0,234	9,856	-343,9956	-667,5431
31	32	COMB1	Combination	1,612	0,234	41,856	344,0031	699,5431
31	31	COMB2	Combination	-1,612	-0,234	9,856	-343,9956	-667,5431
31	32	COMB2	Combination	1,612	0,234	41,856	344,0031	699,5431

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

Frame	Joint	OutputCase	CaseType	F1	F2	F3	M1	M2
				KN	KN	KN	KN-m	KN-m
31	31	COMB4	Combination	-1,612	-0,234	9,856	-343,9956	-667,5431
31	32	COMB4	Combination	1,612	0,234	41,856	344,0031	699,5431
31	31	COMB5	Combination	-1,612	-0,234	9,856	-343,9956	-667,5431
31	32	COMB5	Combination	1,612	0,234	41,856	344,0031	699,5431
31	31	COMB6	Combination	-1,612	-0,234	9,856	-343,9956	-667,5431
31	32	COMB6	Combination	1,612	0,234	41,856	344,0031	699,5431
31	31	COMB8	Combination	-1,741	-0,253	10,645	-371,5152	-720,9466
31	32	COMB8	Combination	1,741	0,253	45,205	371,5233	755,5066
31	31	COMB8bis	Combination	-1,483	-0,216	9,068	-316,4759	-614,1397
31	32	COMB8bis	Combination	1,483	0,216	38,508	316,4828	643,5797
32	32	COMB1	Combination	-0,831	-0,301	73,856	-359,9967	-651,5431
32	33	COMB1	Combination	0,831	0,301	-22,144	360,0023	699,5431
32	32	COMB2	Combination	-0,831	-0,301	73,856	-359,9967	-651,5431
32	33	COMB2	Combination	0,831	0,301	-22,144	360,0023	699,5431
32	32	COMB4	Combination	-0,831	-0,301	73,856	-359,9967	-651,5431
32	33	COMB4	Combination	0,831	0,301	-22,144	360,0023	699,5431
32	32	COMB5	Combination	-0,831	-0,301	73,856	-359,9967	-651,5431
32	33	COMB5	Combination	0,831	0,301	-22,144	360,0023	699,5431
32	32	COMB6	Combination	-0,831	-0,301	73,856	-359,9967	-651,5431
32	33	COMB6	Combination	0,831	0,301	-22,144	360,0023	699,5431
32	32	COMB8	Combination	-0,898	-0,325	79,765	-388,7964	-703,6666
32	33	COMB8	Combination	0,898	0,325	-23,915	388,8025	755,5066
32	32	COMB8bis	Combination	-0,765	-0,277	67,948	-331,1970	-599,4197
32	33	COMB8bis	Combination	0,765	0,277	-20,372	331,2021	643,5797
33	33	COMB1	Combination	-0,438	-0,332	-6,144	-367,9956	-779,5431
33	34	COMB1	Combination	0,438	0,332	57,856	368,0031	699,5431
33	33	COMB2	Combination	-0,438	-0,332	-6,144	-367,9956	-779,5431
33	34	COMB2	Combination	0,438	0,332	57,856	368,0031	699,5431
33	33	COMB4	Combination	-0,438	-0,332	-6,144	-367,9956	-779,5431
33	34	COMB4	Combination	0,438	0,332	57,856	368,0031	699,5431
33	33	COMB5	Combination	-0,438	-0,332	-6,144	-367,9956	-779,5431
33	34	COMB5	Combination	0,438	0,332	57,856	368,0031	699,5431
33	33	COMB6	Combination	-0,438	-0,332	-6,144	-367,9956	-779,5431
33	34	COMB6	Combination	0,438	0,332	57,856	368,0031	699,5431
33	33	COMB8	Combination	-0,474	-0,359	-6,635	-397,4352	-841,9066
33	34	COMB8	Combination	0,474	0,359	62,485	397,4433	755,5066
33	33	COMB8bis	Combination	-0,403	-0,305	-5,652	-338,5559	-717,1797
33	34	COMB8bis	Combination	0,403	0,305	53,228	338,5628	643,5797
34	34	COMB1	Combination	0,398	-0,242	-70,144	-375,9956	-699,5431
34	35	COMB1	Combination	-0,398	0,242	121,856	376,0031	603,5431
34	34	COMB2	Combination	0,398	-0,242	-70,144	-375,9956	-699,5431
34	35	COMB2	Combination	-0,398	0,242	121,856	376,0031	603,5431
34	34	COMB4	Combination	0,398	-0,242	-70,144	-375,9956	-699,5431
34	35	COMB4	Combination	-0,398	0,242	121,856	376,0031	603,5431
34	34	COMB5	Combination	0,398	-0,242	-70,144	-375,9956	-699,5431
34	35	COMB5	Combination	-0,398	0,242	121,856	376,0031	603,5431
34	34	COMB6	Combination	0,398	-0,242	-70,144	-375,9956	-699,5431
34	35	COMB6	Combination	-0,398	0,242	121,856	376,0031	603,5431
34	34	COMB8	Combination	0,430	-0,262	-75,755	-406,0752	-755,5066
34	35	COMB8	Combination	-0,430	0,262	131,605	406,0833	651,8266
34	34	COMB8bis	Combination	0,366	-0,223	-64,532	-345,9159	-643,5797
34	35	COMB8bis	Combination	-0,366	0,223	112,108	345,9228	555,2597
35	35	COMB1	Combination	0,551	-0,145	-102,144	-375,9967	-555,5431
35	36	COMB1	Combination	-0,551	0,145	153,856	376,0023	379,5431
35	35	COMB2	Combination	0,551	-0,145	-102,144	-375,9967	-555,5431

<p>GENERAL CONTRACTOR</p>  <p>Consorzio Collegamenti Integrati Veloci</p>	<p>ALTA SORVEGLIANZA</p>  <p>GRUPPO FERROVIE DELLO STATO ITALIANE</p>
	<p>a301-00-d-cv-ro-gn00-0x-013-e00</p> <p>Foglio 173 di 289</p>

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

Frame	Joint	OutputCase	CaseType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
35	36	COMB2	Combination	-0,551	0,145	153,856	376,0023	379,5431
35	35	COMB4	Combination	0,551	-0,145	-102,144	-375,9967	-555,5431
35	36	COMB4	Combination	-0,551	0,145	153,856	376,0023	379,5431
35	35	COMB5	Combination	0,551	-0,145	-102,144	-375,9967	-555,5431
35	36	COMB5	Combination	-0,551	0,145	153,856	376,0023	379,5431
35	35	COMB6	Combination	0,551	-0,145	-102,144	-375,9967	-555,5431
35	36	COMB6	Combination	-0,551	0,145	153,856	376,0023	379,5431
35	35	COMB8	Combination	0,595	-0,156	-110,315	-406,0764	-599,9866
35	36	COMB8	Combination	-0,595	0,156	166,165	406,0825	409,9066
35	35	COMB8bis	Combination	0,507	-0,133	-93,972	-345,9170	-511,0997
35	36	COMB8bis	Combination	-0,507	0,133	141,548	345,9221	349,1797
36	36	COMB1	Combination	1,147	-0,047	-38,144	-399,9758	-475,5431
36	37	COMB1	Combination	-1,147	0,047	89,856	400,0169	571,5431
36	36	COMB2	Combination	1,147	-0,047	-38,144	-399,9758	-475,5431
36	37	COMB2	Combination	-1,147	0,047	89,856	400,0169	571,5431
36	36	COMB4	Combination	1,147	-0,047	-38,144	-399,9758	-475,5431
36	37	COMB4	Combination	-1,147	0,047	89,856	400,0169	571,5431
36	36	COMB5	Combination	1,147	-0,047	-38,144	-399,9758	-475,5431
36	37	COMB5	Combination	-1,147	0,047	89,856	400,0169	571,5431
36	36	COMB6	Combination	1,147	-0,047	-38,144	-399,9758	-475,5431
36	37	COMB6	Combination	-1,147	0,047	89,856	400,0169	571,5431
36	36	COMB8	Combination	1,238	-0,051	-41,195	-431,9738	-513,5866
36	37	COMB8	Combination	-1,238	0,051	97,045	432,0183	617,2666
36	36	COMB8bis	Combination	1,055	-0,043	-35,092	-367,9777	-437,4997
36	37	COMB8bis	Combination	-1,055	0,043	82,668	368,0156	525,8197
37	37	COMB1	Combination	0,027	-0,463	132,011	-470,6679	-571,3937
37	38	COMB1	Combination	-0,027	0,463	-88,797	337,0994	570,3602
37	37	COMB2	Combination	0,027	-0,463	132,011	-470,6679	-571,3937
37	38	COMB2	Combination	-0,027	0,463	-88,797	337,0994	570,3602
37	37	COMB4	Combination	0,027	-0,463	132,011	-470,6679	-571,3937
37	38	COMB4	Combination	-0,027	0,463	-88,797	337,0994	570,3602
37	37	COMB5	Combination	0,027	-0,463	132,011	-470,6679	-571,3937
37	38	COMB5	Combination	-0,027	0,463	-88,797	337,0994	570,3602
37	37	COMB6	Combination	0,027	-0,463	132,011	-470,6679	-571,3937
37	38	COMB6	Combination	-0,027	0,463	-88,797	337,0994	570,3602
37	37	COMB8	Combination	0,030	-0,500	142,572	-508,3213	-617,1051
37	38	COMB8	Combination	-0,030	0,500	-95,901	364,0674	615,9890
37	37	COMB8bis	Combination	0,025	-0,426	121,450	-433,0145	-525,6822
37	38	COMB8bis	Combination	-0,025	0,426	-81,693	310,1314	524,7314
38	38	COMB1	Combination	-0,367	-0,831	-122,393	-188,8875	-563,3975
38	39	COMB1	Combination	0,367	0,831	165,607	316,8875	546,3226
38	38	COMB2	Combination	-0,367	-0,831	-122,393	-188,8875	-563,3975
38	39	COMB2	Combination	0,367	0,831	165,607	316,8875	546,3226
38	38	COMB4	Combination	-0,367	-0,831	-122,393	-188,8875	-563,3975
38	39	COMB4	Combination	0,367	0,831	165,607	316,8875	546,3226
38	38	COMB5	Combination	-0,367	-0,831	-122,393	-188,8875	-563,3975
38	39	COMB5	Combination	0,367	0,831	165,607	316,8875	546,3226
38	38	COMB6	Combination	-0,367	-0,831	-122,393	-188,8875	-563,3975
38	39	COMB6	Combination	0,367	0,831	165,607	316,8875	546,3226
38	38	COMB8	Combination	-0,397	-0,898	-132,184	-203,9985	-608,4693
38	39	COMB8	Combination	0,397	0,898	178,856	342,2385	590,0284
38	38	COMB8bis	Combination	-0,338	-0,765	-112,601	-173,7765	-518,3257
38	39	COMB8bis	Combination	0,338	0,765	152,359	291,5365	502,6168
39	39	COMB1	Combination	0,359	0,091	-138,393	-348,8875	-555,4502
39	40	COMB1	Combination	-0,359	-0,091	181,607	124,8875	538,3251

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

Frame	Joint	OutputCase	CaseType	F1	F2	F3	M1	M2
				KN	KN	KN	KN-m	KN-m
39	39	COMB2	Combination	0,359	0,091	-138,393	-348,8875	-555,4502
39	40	COMB2	Combination	-0,359	-0,091	181,607	124,8875	538,3251
39	39	COMB4	Combination	0,359	0,091	-138,393	-348,8875	-555,4502
39	40	COMB4	Combination	-0,359	-0,091	181,607	124,8875	538,3251
39	39	COMB5	Combination	0,359	0,091	-138,393	-348,8875	-555,4502
39	40	COMB5	Combination	-0,359	-0,091	181,607	124,8875	538,3251
39	39	COMB6	Combination	0,359	0,091	-138,393	-348,8875	-555,4502
39	40	COMB6	Combination	-0,359	-0,091	181,607	124,8875	538,3251
39	39	COMB8	Combination	0,388	0,098	-149,464	-376,7985	-599,8863
39	40	COMB8	Combination	-0,388	-0,098	196,136	134,8785	581,3911
39	39	COMB8bis	Combination	0,331	0,084	-127,321	-320,9765	-511,0142
39	40	COMB8bis	Combination	-0,331	-0,084	167,079	114,8965	495,2591
40	40	COMB1	Combination	0,523	6,836E-03	-10,393	-28,8875	-539,3976
40	41	COMB1	Combination	-0,523	-6,836E-03	53,607	124,8875	546,3226
40	40	COMB2	Combination	0,523	6,836E-03	-10,393	-28,8875	-539,3976
40	41	COMB2	Combination	-0,523	-6,836E-03	53,607	124,8875	546,3226
40	40	COMB4	Combination	0,523	6,836E-03	-10,393	-28,8875	-539,3976
40	41	COMB4	Combination	-0,523	-6,836E-03	53,607	124,8875	546,3226
40	40	COMB5	Combination	0,523	6,836E-03	-10,393	-28,8875	-539,3976
40	41	COMB5	Combination	-0,523	-6,836E-03	53,607	124,8875	546,3226
40	40	COMB6	Combination	0,523	6,836E-03	-10,393	-28,8875	-539,3976
40	41	COMB6	Combination	-0,523	-6,836E-03	53,607	124,8875	546,3226
40	40	COMB8	Combination	0,565	7,383E-03	-11,224	-31,1985	-582,5494
40	41	COMB8	Combination	-0,565	-7,383E-03	57,896	134,8785	590,0284
40	40	COMB8bis	Combination	0,482	6,289E-03	-9,561	-26,5765	-496,2458
40	41	COMB8bis	Combination	-0,482	-6,289E-03	49,319	114,8965	502,6168
41	41	COMB1	Combination	1,195	1,461	-320,133	-253,8443	-523,4503
41	42	COMB1	Combination	-1,195	-1,461	363,347	58,6293	514,3250
41	41	COMB2	Combination	1,195	1,461	-320,133	-253,8443	-523,4503
41	42	COMB2	Combination	-1,195	-1,461	363,347	58,6293	514,3250
41	41	COMB4	Combination	1,195	1,461	-320,133	-253,8443	-523,4503
41	42	COMB4	Combination	-1,195	-1,461	363,347	58,6293	514,3250
41	41	COMB5	Combination	1,195	1,461	-320,133	-253,8443	-523,4503
41	42	COMB5	Combination	-1,195	-1,461	363,347	58,6293	514,3250
41	41	COMB6	Combination	1,195	1,461	-320,133	-253,8443	-523,4503
41	42	COMB6	Combination	-1,195	-1,461	363,347	58,6293	514,3250
41	41	COMB8	Combination	1,291	1,578	-345,743	-274,1519	-565,3263
41	42	COMB8	Combination	-1,291	-1,578	392,415	63,3196	555,4711
41	41	COMB8bis	Combination	1,100	1,344	-294,522	-233,5368	-481,5742
41	42	COMB8bis	Combination	-1,100	-1,344	334,279	53,9389	473,1790
42	42	COMB1	Combination	1,855	0,740	133,607	643,1125	-523,4361
42	43	COMB1	Combination	-1,855	-0,740	-90,393	-579,1125	522,3250
42	42	COMB2	Combination	1,855	0,740	133,607	643,1125	-523,4361
42	43	COMB2	Combination	-1,855	-0,740	-90,393	-579,1125	522,3250
42	42	COMB4	Combination	1,855	0,740	133,607	643,1125	-523,4361
42	43	COMB4	Combination	-1,855	-0,740	-90,393	-579,1125	522,3250
42	42	COMB5	Combination	1,855	0,740	133,607	643,1125	-523,4361
42	43	COMB5	Combination	-1,855	-0,740	-90,393	-579,1125	522,3250
42	42	COMB6	Combination	1,855	0,740	133,607	643,1125	-523,4361
42	43	COMB6	Combination	-1,855	-0,740	-90,393	-579,1125	522,3250
42	42	COMB8	Combination	2,004	0,799	144,296	694,5615	-565,3110
42	43	COMB8	Combination	-2,004	-0,799	-97,624	-625,4415	564,1111
42	42	COMB8bis	Combination	1,707	0,681	122,919	591,6635	-481,5612
42	43	COMB8bis	Combination	-1,707	-0,681	-83,161	-532,7835	480,5390
43	43	COMB1	Combination	1,352	0,123	-1386,393	355,1125	-515,3772

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

Frame	Joint	OutputCase	CaseType	F1	F2	F3	M1	M2
				KN	KN	KN	KN-m	KN-m
43	44	COMB1	Combination	-1,352	-0,373	1429,607	-1347,1125	506,3704
43	43	COMB2	Combination	1,352	0,123	-1386,393	355,1125	-515,3772
43	44	COMB2	Combination	-1,352	-0,373	1429,607	-1347,1125	506,3704
43	43	COMB4	Combination	1,352	0,123	-1386,393	355,1125	-515,3772
43	44	COMB4	Combination	-1,352	-0,373	1429,607	-1347,1125	506,3704
43	43	COMB5	Combination	1,352	0,123	-1386,393	355,1125	-515,3772
43	44	COMB5	Combination	-1,352	-0,373	1429,607	-1347,1125	506,3704
43	43	COMB6	Combination	1,352	0,123	-1386,393	355,1125	-515,3772
43	44	COMB6	Combination	-1,352	-0,373	1429,607	-1347,1125	506,3704
43	43	COMB8	Combination	1,460	0,133	-1497,304	383,5215	-556,6074
43	44	COMB8	Combination	-1,460	-0,403	1543,976	-1454,8815	546,8800
43	43	COMB8bis	Combination	1,243	0,113	-1275,481	326,7035	-474,1471
43	44	COMB8bis	Combination	-1,243	-0,343	1315,239	-1239,3435	465,8608
44	44	COMB1	Combination	-0,055	0,142	-46,825	1426,8271	-93,2644
44	45	COMB1	Combination	0,055	-0,142	92,241	-1645,3106	83,7380
44	44	COMB2	Combination	-0,055	0,142	-46,825	1426,8271	-93,2644
44	45	COMB2	Combination	0,055	-0,142	92,241	-1645,3106	83,7380
44	44	COMB4	Combination	-0,055	0,142	-46,825	1426,8271	-93,2644
44	45	COMB4	Combination	0,055	-0,142	92,241	-1645,3106	83,7380
44	44	COMB5	Combination	-0,055	0,142	-46,825	1426,8271	-93,2644
44	45	COMB5	Combination	0,055	-0,142	92,241	-1645,3106	83,7380
44	44	COMB6	Combination	-0,055	0,142	-46,825	1426,8271	-93,2644
44	45	COMB6	Combination	0,055	-0,142	92,241	-1645,3106	83,7380
44	44	COMB8	Combination	-0,059	0,154	-50,572	1540,9733	-100,7256
44	45	COMB8	Combination	0,059	-0,154	99,620	-1776,9354	90,4370
44	44	COMB8bis	Combination	-0,050	0,131	-43,079	1312,6810	-85,8033
44	45	COMB8bis	Combination	0,050	-0,131	84,862	-1513,6857	77,0389
45	45	COMB1	Combination	-0,680	0,290	631,016	1818,6792	-117,0106
45	46	COMB1	Combination	0,680	-0,290	-585,601	-1622,2377	107,8703
45	45	COMB2	Combination	-0,680	0,290	631,016	1818,6792	-117,0106
45	46	COMB2	Combination	0,680	-0,290	-585,601	-1622,2377	107,8703
45	45	COMB4	Combination	-0,680	0,290	631,016	1818,6792	-117,0106
45	46	COMB4	Combination	0,680	-0,290	-585,601	-1622,2377	107,8703
45	45	COMB5	Combination	-0,680	0,290	631,016	1818,6792	-117,0106
45	46	COMB5	Combination	0,680	-0,290	-585,601	-1622,2377	107,8703
45	45	COMB6	Combination	-0,680	0,290	631,016	1818,6792	-117,0106
45	46	COMB6	Combination	0,680	-0,290	-585,601	-1622,2377	107,8703
45	45	COMB8	Combination	-0,734	0,313	681,498	1964,1736	-126,3714
45	46	COMB8	Combination	0,734	-0,313	-632,449	-1752,0167	116,5000
45	45	COMB8bis	Combination	-0,625	0,267	580,535	1673,1849	-107,6497
45	46	COMB8bis	Combination	0,625	-0,267	-538,753	-1492,4587	99,2407
46	46	COMB1	Combination	-1,438	-0,231	401,448	1665,3333	-117,0131
46	47	COMB1	Combination	1,438	0,231	-356,032	-1003,6473	107,8695
46	46	COMB2	Combination	-1,438	-0,231	401,448	1665,3333	-117,0131
46	47	COMB2	Combination	1,438	0,231	-356,032	-1003,6473	107,8695
46	46	COMB4	Combination	-1,438	-0,231	401,448	1665,3333	-117,0131
46	47	COMB4	Combination	1,438	0,231	-356,032	-1003,6473	107,8695
46	46	COMB5	Combination	-1,438	-0,231	401,448	1665,3333	-117,0131
46	47	COMB5	Combination	1,438	0,231	-356,032	-1003,6473	107,8695
46	46	COMB6	Combination	-1,438	-0,231	401,448	1665,3333	-117,0131
46	47	COMB6	Combination	1,438	0,231	-356,032	-1003,6473	107,8695
46	46	COMB8	Combination	-1,553	-0,250	433,564	1798,5600	-126,3741
46	47	COMB8	Combination	1,553	0,250	-384,515	-1083,9391	116,4991
46	46	COMB8bis	Combination	-1,323	-0,213	369,332	1532,1067	-107,6520
46	47	COMB8bis	Combination	1,323	0,213	-327,550	-923,3555	99,2400

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

Frame	Joint	OutputCase	CaseType	F1	F2	F3	M1	M2
				KN	KN	KN	KN-m	KN-m
47	47	COMB1	Combination	-1,898	-0,618	381,894	779,4489	-93,0118
47	48	COMB1	Combination	1,898	0,618	-336,479	-768,6664	83,8696
47	47	COMB2	Combination	-1,898	-0,618	381,894	779,4489	-93,0118
47	48	COMB2	Combination	1,898	0,618	-336,479	-768,6664	83,8696
47	47	COMB4	Combination	-1,898	-0,618	381,894	779,4489	-93,0118
47	48	COMB4	Combination	1,898	0,618	-336,479	-768,6664	83,8696
47	47	COMB5	Combination	-1,898	-0,618	381,894	779,4489	-93,0118
47	48	COMB5	Combination	1,898	0,618	-336,479	-768,6664	83,8696
47	47	COMB6	Combination	-1,898	-0,618	381,894	779,4489	-93,0118
47	48	COMB6	Combination	1,898	0,618	-336,479	-768,6664	83,8696
47	47	COMB8	Combination	-2,050	-0,667	412,446	841,8048	-100,4527
47	48	COMB8	Combination	2,050	0,667	-363,397	-830,1597	90,5791
47	47	COMB8bis	Combination	-1,747	-0,568	351,343	717,0930	-85,5708
47	48	COMB8bis	Combination	1,747	0,568	-309,561	-707,1731	77,1600
48	48	COMB1	Combination	-0,918	-0,386	607,194	-380,2519	18,9889
48	1	COMB1	Combination	0,918	0,386	-561,778	89,0064	-28,1304
48	48	COMB2	Combination	-0,918	-0,386	607,194	-380,2519	18,9889
48	1	COMB2	Combination	0,918	0,386	-561,778	89,0064	-28,1304
48	48	COMB4	Combination	-0,918	-0,386	607,194	-380,2519	18,9889
48	1	COMB4	Combination	0,918	0,386	-561,778	89,0064	-28,1304
48	48	COMB5	Combination	-0,918	-0,386	607,194	-380,2519	18,9889
48	1	COMB5	Combination	0,918	0,386	-561,778	89,0064	-28,1304
48	48	COMB6	Combination	-0,918	-0,386	607,194	-380,2519	18,9889
48	1	COMB6	Combination	0,918	0,386	-561,778	89,0064	-28,1304
48	48	COMB8	Combination	-0,991	-0,417	655,769	-410,6721	20,5080
48	1	COMB8	Combination	0,991	0,417	-606,720	96,1270	-30,3809
48	48	COMB8bis	Combination	-0,845	-0,355	558,618	-349,8318	17,4698
48	1	COMB8bis	Combination	0,845	0,355	-516,836	81,8859	-25,8800
49	44	COMB1	Combination	0,897	0,191	921,856	210,1897	-468,4570
49	49	COMB1	Combination	-0,897	-0,191	-870,144	-223,8189	-411,5430
49	44	COMB2	Combination	0,897	0,191	921,856	210,1897	-468,4570
49	49	COMB2	Combination	-0,897	-0,191	-870,144	-223,8189	-411,5430
49	44	COMB4	Combination	0,897	0,191	921,856	210,1897	-468,4570
49	49	COMB4	Combination	-0,897	-0,191	-870,144	-223,8189	-411,5430
49	44	COMB5	Combination	0,897	0,191	921,856	210,1897	-468,4570
49	49	COMB5	Combination	-0,897	-0,191	-870,144	-223,8189	-411,5430
49	44	COMB6	Combination	0,897	0,191	921,856	210,1897	-468,4570
49	49	COMB6	Combination	-0,897	-0,191	-870,144	-223,8189	-411,5430
49	44	COMB8	Combination	0,969	0,207	995,605	227,0049	-505,9336
49	49	COMB8	Combination	-0,969	-0,207	-939,755	-241,7244	-444,4664
49	44	COMB8bis	Combination	0,825	0,176	848,108	193,3745	-430,9804
49	49	COMB8bis	Combination	-0,825	-0,176	-800,532	-205,9134	-378,6196
50	49	COMB1	Combination	2,310	0,168	889,856	238,6950	107,5430
50	50	COMB1	Combination	-2,310	-0,168	-838,144	-243,6737	-923,5430
50	49	COMB2	Combination	2,310	0,168	889,856	238,6950	107,5430
50	50	COMB2	Combination	-2,310	-0,168	-838,144	-243,6737	-923,5430
50	49	COMB4	Combination	2,310	0,168	889,856	238,6950	107,5430
50	50	COMB4	Combination	-2,310	-0,168	-838,144	-243,6737	-923,5430
50	49	COMB5	Combination	2,310	0,168	889,856	238,6950	107,5430
50	50	COMB5	Combination	-2,310	-0,168	-838,144	-243,6737	-923,5430
50	49	COMB6	Combination	2,310	0,168	889,856	238,6950	107,5430
50	50	COMB6	Combination	-2,310	-0,168	-838,144	-243,6737	-923,5430
50	49	COMB8	Combination	2,495	0,181	961,045	257,7906	116,1464
50	50	COMB8	Combination	-2,495	-0,181	-905,195	-263,1676	-997,4264
50	49	COMB8bis	Combination	2,125	0,155	818,668	219,5994	98,9396

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

Frame	Joint	OutputCase	CaseType	F1	F2	F3	M1	M2
				KN	KN	KN	KN-m	KN-m
50	50	COMB8bis	Combination	-2,125	-0,155	-771,092	-224,1798	-849,6596
51	50	COMB1	Combination	0,108	0,242	457,856	243,6877	827,5430
51	51	COMB1	Combination	-0,108	-0,242	-406,144	-246,5019	-1307,5430
51	50	COMB2	Combination	0,108	0,242	457,856	243,6877	827,5430
51	51	COMB2	Combination	-0,108	-0,242	-406,144	-246,5019	-1307,5430
51	50	COMB4	Combination	0,108	0,242	457,856	243,6877	827,5430
51	51	COMB4	Combination	-0,108	-0,242	-406,144	-246,5019	-1307,5430
51	50	COMB5	Combination	0,108	0,242	457,856	243,6877	827,5430
51	51	COMB5	Combination	-0,108	-0,242	-406,144	-246,5019	-1307,5430
51	50	COMB6	Combination	0,108	0,242	457,856	243,6877	827,5430
51	51	COMB6	Combination	-0,108	-0,242	-406,144	-246,5019	-1307,5430
51	50	COMB8	Combination	0,117	0,262	494,485	263,1827	893,7464
51	51	COMB8	Combination	-0,117	-0,262	-438,635	-266,2220	-1412,1464
51	50	COMB8bis	Combination	0,099	0,223	421,228	224,1926	761,3396
51	51	COMB8bis	Combination	-0,099	-0,223	-373,652	-226,7817	-1202,9396
52	51	COMB1	Combination	2,980	0,285	585,856	233,2856	1211,5430
52	52	COMB1	Combination	-2,980	-0,285	-534,144	-230,2182	-2043,5430
52	51	COMB2	Combination	2,980	0,285	585,856	233,2856	1211,5430
52	52	COMB2	Combination	-2,980	-0,285	-534,144	-230,2182	-2043,5430
52	51	COMB4	Combination	2,980	0,285	585,856	233,2856	1211,5430
52	52	COMB4	Combination	-2,980	-0,285	-534,144	-230,2182	-2043,5430
52	51	COMB5	Combination	2,980	0,285	585,856	233,2856	1211,5430
52	52	COMB5	Combination	-2,980	-0,285	-534,144	-230,2182	-2043,5430
52	51	COMB6	Combination	2,980	0,285	585,856	233,2856	1211,5430
52	52	COMB6	Combination	-2,980	-0,285	-534,144	-230,2182	-2043,5430
52	51	COMB8	Combination	3,218	0,308	632,725	251,9484	1308,4664
52	52	COMB8	Combination	-3,218	-0,308	-576,875	-248,6356	-2207,0264
52	51	COMB8bis	Combination	2,741	0,262	538,988	214,6227	1114,6196
52	52	COMB8bis	Combination	-2,741	-0,262	-491,412	-211,8007	-1880,0596
53	52	COMB1	Combination	0,200	0,199	217,856	210,9963	2219,5430
53	53	COMB1	Combination	-0,200	-0,199	-166,144	-207,8544	-2171,5430
53	52	COMB2	Combination	0,200	0,199	217,856	210,9963	2219,5430
53	53	COMB2	Combination	-0,200	-0,199	-166,144	-207,8544	-2171,5430
53	52	COMB4	Combination	0,200	0,199	217,856	210,9963	2219,5430
53	53	COMB4	Combination	-0,200	-0,199	-166,144	-207,8544	-2171,5430
53	52	COMB5	Combination	0,200	0,199	217,856	210,9963	2219,5430
53	53	COMB5	Combination	-0,200	-0,199	-166,144	-207,8544	-2171,5430
53	52	COMB6	Combination	0,200	0,199	217,856	210,9963	2219,5430
53	53	COMB6	Combination	-0,200	-0,199	-166,144	-207,8544	-2171,5430
53	52	COMB8	Combination	0,216	0,215	235,285	227,8760	2397,1064
53	53	COMB8	Combination	-0,216	-0,215	-179,435	-224,4828	-2345,2664
53	52	COMB8bis	Combination	0,184	0,183	200,428	194,1166	2041,9796
53	53	COMB8bis	Combination	-0,184	-0,183	-152,852	-191,2261	-1997,8196
54	53	COMB1	Combination	2,037	0,086	185,856	169,2499	2283,5430
54	54	COMB1	Combination	-2,037	-0,086	-134,144	-157,2118	-2491,5430
54	53	COMB2	Combination	2,037	0,086	185,856	169,2499	2283,5430
54	54	COMB2	Combination	-2,037	-0,086	-134,144	-157,2118	-2491,5430
54	53	COMB4	Combination	2,037	0,086	185,856	169,2499	2283,5430
54	54	COMB4	Combination	-2,037	-0,086	-134,144	-157,2118	-2491,5430
54	53	COMB5	Combination	2,037	0,086	185,856	169,2499	2283,5430
54	54	COMB5	Combination	-2,037	-0,086	-134,144	-157,2118	-2491,5430
54	53	COMB6	Combination	2,037	0,086	185,856	169,2499	2283,5430
54	54	COMB6	Combination	-2,037	-0,086	-134,144	-157,2118	-2491,5430
54	53	COMB8	Combination	2,200	0,093	200,725	182,7899	2466,2264
54	54	COMB8	Combination	-2,200	-0,093	-144,875	-169,7888	-2690,8664

<p>GENERAL CONTRACTOR</p>  <p>Censorzio Collegamenti Integrati Veloci</p>	<p>ALTA SORVEGLIANZA</p>  <p>GRUPPO FERROVIE DELLO STATO ITALIANE</p>
	<p>a301-00-d-cv-ro-gn00-0x-013-e00</p> <p>Foglio 178 di 289</p>

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

Frame	Joint	OutputCase	CaseType	F1	F2	F3	M1	M2
				KN	KN	KN	KN-m	KN-m
54	53	COMB8bis	Combination	1,874	0,079	170,988	155,7099	2100,8596
54	54	COMB8bis	Combination	-1,874	-0,079	-123,412	-144,6349	-2292,2196
55	54	COMB1	Combination	3,105	0,059	-326,144	158,0851	2363,5430
55	55	COMB1	Combination	-3,105	-0,059	377,856	-147,8705	-2043,5430
55	54	COMB2	Combination	3,105	0,059	-326,144	158,0851	2363,5430
55	55	COMB2	Combination	-3,105	-0,059	377,856	-147,8705	-2043,5430
55	54	COMB4	Combination	3,105	0,059	-326,144	158,0851	2363,5430
55	55	COMB4	Combination	-3,105	-0,059	377,856	-147,8705	-2043,5430
55	54	COMB5	Combination	3,105	0,059	-326,144	158,0851	2363,5430
55	55	COMB5	Combination	-3,105	-0,059	377,856	-147,8705	-2043,5430
55	54	COMB6	Combination	3,105	0,059	-326,144	158,0851	2363,5430
55	55	COMB6	Combination	-3,105	-0,059	377,856	-147,8705	-2043,5430
55	54	COMB8	Combination	3,354	0,063	-352,235	170,7319	2552,6264
55	55	COMB8	Combination	-3,354	-0,063	408,085	-159,7002	-2207,0264
55	54	COMB8bis	Combination	2,857	0,054	-300,052	145,4383	2174,4596
55	55	COMB8bis	Combination	-2,857	-0,054	347,628	-136,0409	-1880,0596
56	55	COMB1	Combination	2,830	-0,094	-406,144	137,2843	2043,5430
56	56	COMB1	Combination	-2,830	0,094	457,856	-141,2841	-1467,5430
56	55	COMB2	Combination	2,830	-0,094	-406,144	137,2843	2043,5430
56	56	COMB2	Combination	-2,830	0,094	457,856	-141,2841	-1467,5430
56	55	COMB4	Combination	2,830	-0,094	-406,144	137,2843	2043,5430
56	56	COMB4	Combination	-2,830	0,094	457,856	-141,2841	-1467,5430
56	55	COMB5	Combination	2,830	-0,094	-406,144	137,2843	2043,5430
56	56	COMB5	Combination	-2,830	0,094	457,856	-141,2841	-1467,5430
56	55	COMB6	Combination	2,830	-0,094	-406,144	137,2843	2043,5430
56	56	COMB6	Combination	-2,830	0,094	457,856	-141,2841	-1467,5430
56	55	COMB8	Combination	3,056	-0,101	-438,635	148,2671	2207,0264
56	56	COMB8	Combination	-3,056	0,101	494,485	-152,5868	-1584,9464
56	55	COMB8bis	Combination	2,603	-0,086	-373,652	126,3016	1880,0596
56	56	COMB8bis	Combination	-2,603	0,086	421,228	-129,9814	-1350,1396
57	56	COMB1	Combination	2,841	-0,105	-278,144	146,8505	1419,5430
57	57	COMB1	Combination	-2,841	0,105	329,856	-137,4530	-1019,5430
57	56	COMB2	Combination	2,841	-0,105	-278,144	146,8505	1419,5430
57	57	COMB2	Combination	-2,841	0,105	329,856	-137,4530	-1019,5430
57	56	COMB4	Combination	2,841	-0,105	-278,144	146,8505	1419,5430
57	57	COMB4	Combination	-2,841	0,105	329,856	-137,4530	-1019,5430
57	56	COMB5	Combination	2,841	-0,105	-278,144	146,8505	1419,5430
57	57	COMB5	Combination	-2,841	0,105	329,856	-137,4530	-1019,5430
57	56	COMB6	Combination	2,841	-0,105	-278,144	146,8505	1419,5430
57	57	COMB6	Combination	-2,841	0,105	329,856	-137,4530	-1019,5430
57	56	COMB8	Combination	3,068	-0,114	-300,395	158,5985	1533,1064
57	57	COMB8	Combination	-3,068	0,114	356,245	-148,4493	-1101,1064
57	56	COMB8bis	Combination	2,614	-0,097	-255,892	135,1025	1305,9796
57	57	COMB8bis	Combination	-2,614	0,097	303,468	-126,4568	-937,9796
58	57	COMB1	Combination	3,228	-0,148	-198,144	135,9577	1099,5430
58	58	COMB1	Combination	-3,228	0,148	249,856	-135,7143	-795,5430
58	57	COMB2	Combination	3,228	-0,148	-198,144	135,9577	1099,5430
58	58	COMB2	Combination	-3,228	0,148	249,856	-135,7143	-795,5430
58	57	COMB4	Combination	3,228	-0,148	-198,144	135,9577	1099,5430
58	58	COMB4	Combination	-3,228	0,148	249,856	-135,7143	-795,5430
58	57	COMB5	Combination	3,228	-0,148	-198,144	135,9577	1099,5430
58	58	COMB5	Combination	-3,228	0,148	249,856	-135,7143	-795,5430
58	57	COMB6	Combination	3,228	-0,148	-198,144	135,9577	1099,5430
58	58	COMB6	Combination	-3,228	0,148	249,856	-135,7143	-795,5430
58	57	COMB8	Combination	3,486	-0,160	-213,995	146,8343	1187,5064

<p>GENERAL CONTRACTOR</p>  <p>CODIV Consorzio Collegamenti Integrati Veloci</p>	<p>ALTA SORVEGLIANZA</p>  <p>ITALFERR GRUPPO FERROVIE DELLO STATO ITALIANE</p>
	<p>a301-00-d-cv-ro-gn00-0x-013-e00</p> <p>Foglio 179 di 289</p>

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

Frame	Joint	OutputCase	CaseType	F1	F2	F3	M1	M2
				KN	KN	KN	KN-m	KN-m
58	58	COMB8	Combination	-3,486	0,160	269,845	-146,5714	-859,1864
58	57	COMB8bis	Combination	2,970	-0,137	-182,292	125,0811	1011,5796
58	58	COMB8bis	Combination	-2,970	0,137	229,868	-124,8571	-731,8996
59	58	COMB1	Combination	2,041	-0,137	-278,144	113,3078	843,5430
59	59	COMB1	Combination	-2,041	0,137	329,856	-101,3339	-443,5430
59	58	COMB2	Combination	2,041	-0,137	-278,144	113,3078	843,5430
59	59	COMB2	Combination	-2,041	0,137	329,856	-101,3339	-443,5430
59	58	COMB4	Combination	2,041	-0,137	-278,144	113,3078	843,5430
59	59	COMB4	Combination	-2,041	0,137	329,856	-101,3339	-443,5430
59	58	COMB5	Combination	2,041	-0,137	-278,144	113,3078	843,5430
59	59	COMB5	Combination	-2,041	0,137	329,856	-101,3339	-443,5430
59	58	COMB6	Combination	2,041	-0,137	-278,144	113,3078	843,5430
59	59	COMB6	Combination	-2,041	0,137	329,856	-101,3339	-443,5430
59	58	COMB8	Combination	2,204	-0,148	-300,395	122,3724	911,0264
59	59	COMB8	Combination	-2,204	0,148	356,245	-109,4406	-479,0264
59	58	COMB8bis	Combination	1,877	-0,126	-255,892	104,2432	776,0596
59	59	COMB8bis	Combination	-1,877	0,126	303,468	-93,2272	-408,0596
60	59	COMB1	Combination	0,790	-0,043	-534,144	106,8647	427,5430
60	18	COMB1	Combination	-0,790	0,043	585,856	-97,4828	260,4570
60	59	COMB2	Combination	0,790	-0,043	-534,144	106,8647	427,5430
60	18	COMB2	Combination	-0,790	0,043	585,856	-97,4828	260,4570
60	59	COMB4	Combination	0,790	-0,043	-534,144	106,8647	427,5430
60	18	COMB4	Combination	-0,790	0,043	585,856	-97,4828	260,4570
60	59	COMB5	Combination	0,790	-0,043	-534,144	106,8647	427,5430
60	18	COMB5	Combination	-0,790	0,043	585,856	-97,4828	260,4570
60	59	COMB6	Combination	0,790	-0,043	-534,144	106,8647	427,5430
60	18	COMB6	Combination	-0,790	0,043	585,856	-97,4828	260,4570
60	59	COMB8	Combination	0,853	-0,046	-576,875	115,4138	461,7464
60	18	COMB8	Combination	-0,853	0,046	632,725	-105,2815	281,2936
60	59	COMB8bis	Combination	0,727	-0,040	-491,412	98,3155	393,3396
60	18	COMB8bis	Combination	-0,727	0,040	538,988	-89,6842	239,6204
94	60	COMB1	Combination	-186,143	-143,938	14,063	-2,6367	0,0021
94	87	COMB1	Combination	127,244	172,063	14,062	2,6367	-0,0021
94	60	COMB2	Combination	-158,481	-125,185	14,063	-2,6367	0,0014
94	87	COMB2	Combination	99,582	153,310	14,062	2,6367	-0,0014
94	60	COMB4	Combination	-380,008	-547,476	14,063	-2,6367	0,0011
94	87	COMB4	Combination	321,109	575,601	14,062	2,6367	-0,0011
94	60	COMB5	Combination	-352,347	-528,723	14,063	-2,6367	3,415E-04
94	87	COMB5	Combination	293,447	556,848	14,062	2,6367	-3,415E-04
94	60	COMB6	Combination	-162,454	-125,698	14,063	-2,6367	0,0016
94	87	COMB6	Combination	100,073	153,823	14,062	2,6367	-0,0016
94	60	COMB8	Combination	-377,034	-571,447	15,188	-2,8477	4,603E-04
94	87	COMB8	Combination	314,654	601,822	15,187	2,8477	-4,603E-04
94	60	COMB8bis	Combination	-335,604	-487,026	12,938	-2,4258	7,011E-04
94	87	COMB8bis	Combination	273,223	512,901	12,937	2,4258	-7,011E-04
95	87	COMB1	Combination	-127,244	-172,063	14,063	-2,6367	0,0021
95	88	COMB1	Combination	58,970	200,188	14,062	2,6367	-0,0021
95	87	COMB2	Combination	-99,582	-153,310	14,063	-2,6367	0,0014
95	88	COMB2	Combination	31,309	181,435	14,062	2,6367	-0,0014
95	87	COMB4	Combination	-321,109	-575,601	14,063	-2,6367	0,0011
95	88	COMB4	Combination	252,835	603,726	14,062	2,6367	-0,0011
95	87	COMB5	Combination	-293,447	-556,848	14,063	-2,6367	3,415E-04
95	88	COMB5	Combination	225,174	584,973	14,062	2,6367	-3,415E-04
95	87	COMB6	Combination	-100,073	-153,823	14,063	-2,6367	0,0016
95	88	COMB6	Combination	27,944	181,948	14,062	2,6367	-0,0016

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

Frame	Joint	OutputCase	CaseType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
95	87	COMB8	Combination	-314,654	-601,822	15,188	-2,8477	4,603E-04
95	88	COMB8	Combination	242,524	632,197	15,187	2,8477	-4,603E-04
95	87	COMB8bis	Combination	-273,223	-512,901	12,938	-2,4258	7,011E-04
95	88	COMB8bis	Combination	201,094	538,776	12,937	2,4258	-7,011E-04
96	88	COMB1	Combination	-58,970	-200,188	14,063	-2,6367	0,0021
96	89	COMB1	Combination	-15,553	228,313	14,062	2,6367	-0,0021
96	88	COMB2	Combination	-31,309	-181,435	14,063	-2,6367	0,0014
96	89	COMB2	Combination	-43,214	209,560	14,062	2,6367	-0,0014
96	88	COMB4	Combination	-252,835	-603,726	14,063	-2,6367	0,0011
96	89	COMB4	Combination	178,313	631,851	14,062	2,6367	-0,0011
96	88	COMB5	Combination	-225,174	-584,973	14,063	-2,6367	3,415E-04
96	89	COMB5	Combination	150,651	613,098	14,062	2,6367	-3,415E-04
96	88	COMB6	Combination	-27,944	-181,948	14,063	-2,6367	0,0016
96	89	COMB6	Combination	-50,685	210,073	14,062	2,6367	-0,0016
96	88	COMB8	Combination	-242,524	-632,197	15,188	-2,8477	4,603E-04
96	89	COMB8	Combination	163,896	662,572	15,187	2,8477	-4,603E-04
96	88	COMB8bis	Combination	-201,094	-538,776	12,938	-2,4258	7,011E-04
96	89	COMB8bis	Combination	122,465	564,651	12,937	2,4258	-7,011E-04
97	89	COMB1	Combination	15,553	-228,313	14,063	-2,6367	0,0021
97	64	COMB1	Combination	-99,455	256,438	14,062	2,6367	-0,0021
97	89	COMB2	Combination	43,214	-209,560	14,063	-2,6367	0,0014
97	64	COMB2	Combination	-127,117	237,685	14,062	2,6367	-0,0014
97	89	COMB4	Combination	-178,313	-631,851	14,063	-2,6367	0,0011
97	64	COMB4	Combination	94,410	659,976	14,062	2,6367	-0,0011
97	89	COMB5	Combination	-150,651	-613,098	14,063	-2,6367	3,415E-04
97	64	COMB5	Combination	66,749	641,223	14,062	2,6367	-3,415E-04
97	89	COMB6	Combination	50,685	-210,073	14,063	-2,6367	0,0016
97	64	COMB6	Combination	-139,068	238,198	14,062	2,6367	-0,0016
97	89	COMB8	Combination	-163,896	-662,572	15,188	-2,8477	4,603E-04
97	64	COMB8	Combination	75,512	692,947	15,187	2,8477	-4,603E-04
97	89	COMB8bis	Combination	-122,465	-564,651	12,938	-2,4258	7,011E-04
97	64	COMB8bis	Combination	34,082	590,526	12,937	2,4258	-7,011E-04
98	64	COMB1	Combination	-355,643	-302,980	12,679	-2,1494	0,0122
98	90	COMB1	Combination	245,628	328,361	12,703	2,1452	0,0034
98	64	COMB2	Combination	-320,411	-284,226	12,679	-2,1492	0,0087
98	90	COMB2	Combination	210,396	309,608	12,702	2,1453	0,0050
98	64	COMB4	Combination	-306,637	-706,518	12,663	-2,1520	0,0055
98	90	COMB4	Combination	196,622	731,899	12,718	2,1425	0,0076
98	64	COMB5	Combination	-271,405	-687,764	12,664	-2,1519	0,0020
98	90	COMB5	Combination	161,390	713,146	12,717	2,1427	0,0092
98	64	COMB6	Combination	-343,068	-284,740	12,679	-2,1492	0,0101
98	90	COMB6	Combination	227,638	310,122	12,702	2,1453	0,0048
98	64	COMB8	Combination	-288,205	-743,212	13,677	-2,3241	0,0026
98	90	COMB8	Combination	172,774	770,624	13,735	2,3141	0,0094
98	64	COMB8bis	Combination	-299,921	-633,345	11,651	-1,9798	0,0041
98	90	COMB8bis	Combination	184,490	656,695	11,700	1,9712	0,0085
99	90	COMB1	Combination	-245,628	-328,361	12,678	-2,1495	-0,0034
99	91	COMB1	Combination	121,018	353,743	12,704	2,1450	0,0130
99	90	COMB2	Combination	-210,396	-309,608	12,679	-2,1494	-0,0050
99	91	COMB2	Combination	85,786	334,989	12,703	2,1452	0,0127
99	90	COMB4	Combination	-196,622	-731,899	12,663	-2,1522	-0,0076
99	91	COMB4	Combination	72,013	757,281	12,719	2,1424	0,0146
99	90	COMB5	Combination	-161,390	-713,146	12,663	-2,1521	-0,0092
99	91	COMB5	Combination	36,781	738,527	12,718	2,1425	0,0144
99	90	COMB6	Combination	-227,638	-310,122	12,678	-2,1494	-0,0048

<p>GENERAL CONTRACTOR</p>  <p>Censorzio Collegamenti Integrati Veloci</p>	<p>ALTA SORVEGLIANZA</p>  <p>GRUPPO FERROVIE DELLO STATO ITALIANE</p>
	<p>a301-00-d-cv-ro-gn00-0x-013-e00</p> <p>Foglio 181 di 289</p>

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

Frame	Joint	OutputCase	CaseType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
99	91	COMB6	Combination	97,029	335,503	12,703	2,1451	0,0132
99	90	COMB8	Combination	-172,774	-770,624	13,676	-2,3242	-0,0094
99	91	COMB8	Combination	42,165	798,036	13,736	2,3139	0,0150
99	90	COMB8bis	Combination	-184,490	-656,695	11,650	-1,9799	-0,0085
99	91	COMB8bis	Combination	53,881	680,046	11,701	1,9711	0,0147
100	91	COMB1	Combination	-121,018	-353,743	12,677	-2,1497	-0,0130
100	92	COMB1	Combination	-12,347	379,124	12,705	2,1449	0,0158
100	91	COMB2	Combination	-85,786	-334,989	12,678	-2,1496	-0,0127
100	92	COMB2	Combination	-47,579	360,371	12,704	2,1450	0,0138
100	91	COMB4	Combination	-72,013	-757,281	12,662	-2,1524	-0,0146
100	92	COMB4	Combination	-61,353	782,662	12,720	2,1422	0,0149
100	91	COMB5	Combination	-36,781	-738,527	12,662	-2,1522	-0,0144
100	92	COMB5	Combination	-96,585	763,909	12,719	2,1423	0,0129
100	91	COMB6	Combination	-97,029	-335,503	12,678	-2,1496	-0,0132
100	92	COMB6	Combination	-42,687	360,885	12,704	2,1450	0,0146
100	91	COMB8	Combination	-42,165	-798,036	13,675	-2,3244	-0,0150
100	92	COMB8	Combination	-97,550	825,448	13,737	2,3137	0,0136
100	91	COMB8bis	Combination	-53,881	-680,046	11,649	-1,9801	-0,0147
100	92	COMB8bis	Combination	-85,834	703,397	11,702	1,9709	0,0139
101	92	COMB1	Combination	12,347	-379,124	12,676	-2,1499	-0,0158
101	93	COMB1	Combination	-153,497	404,506	12,706	2,1447	0,0116
101	92	COMB2	Combination	47,579	-360,371	12,677	-2,1497	-0,0138
101	93	COMB2	Combination	-188,729	385,752	12,705	2,1448	0,0077
101	92	COMB4	Combination	61,353	-782,662	12,661	-2,1525	-0,0149
101	93	COMB4	Combination	-202,502	808,044	12,721	2,1420	0,0081
101	92	COMB5	Combination	96,585	-763,909	12,661	-2,1524	-0,0129
101	93	COMB5	Combination	-237,734	789,290	12,720	2,1421	0,0043
101	92	COMB6	Combination	42,687	-360,885	12,677	-2,1497	-0,0146
101	93	COMB6	Combination	-190,498	386,266	12,705	2,1448	0,0087
101	92	COMB8	Combination	97,550	-825,448	13,674	-2,3246	-0,0136
101	93	COMB8	Combination	-245,361	852,860	13,738	2,3135	0,0048
101	92	COMB8bis	Combination	85,834	-703,397	11,648	-1,9802	-0,0139
101	93	COMB8bis	Combination	-233,645	726,748	11,703	1,9708	0,0057
102	93	COMB1	Combination	153,497	-404,506	12,675	-2,1500	-0,0116
102	94	COMB1	Combination	-303,381	429,887	12,707	2,1445	-2,034E-04
102	93	COMB2	Combination	188,729	-385,752	12,676	-2,1499	-0,0077
102	94	COMB2	Combination	-338,613	411,134	12,706	2,1446	-0,0059
102	93	COMB4	Combination	202,502	-808,044	12,660	-2,1527	-0,0081
102	94	COMB4	Combination	-352,387	833,425	12,722	2,1419	-0,0062
102	93	COMB5	Combination	237,734	-789,290	12,660	-2,1526	-0,0043
102	94	COMB5	Combination	-387,619	814,672	12,721	2,1420	-0,0118
102	93	COMB6	Combination	190,498	-386,266	12,676	-2,1499	-0,0087
102	94	COMB6	Combination	-347,393	411,647	12,706	2,1446	-0,0052
102	93	COMB8	Combination	245,361	-852,860	13,673	-2,3248	-0,0048
102	94	COMB8	Combination	-402,256	880,272	13,739	2,3133	-0,0119
102	93	COMB8bis	Combination	233,645	-726,748	11,647	-1,9804	-0,0057
102	94	COMB8bis	Combination	-390,540	750,099	11,703	1,9706	-0,0104
103	94	COMB1	Combination	303,381	-429,887	12,674	-2,1502	2,034E-04
103	61	COMB1	Combination	-467,709	455,269	12,707	2,1444	-0,0201
103	94	COMB2	Combination	338,613	-411,134	12,675	-2,1501	0,0059
103	61	COMB2	Combination	-502,941	436,515	12,707	2,1445	-0,0276
103	94	COMB4	Combination	352,387	-833,425	12,659	-2,1529	0,0062
103	61	COMB4	Combination	-516,715	858,807	12,723	2,1417	-0,0285
103	94	COMB5	Combination	387,619	-814,672	12,659	-2,1527	0,0118
103	61	COMB5	Combination	-551,947	840,053	12,722	2,1418	-0,0361

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

Frame	Joint	OutputCase	CaseType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
103	94	COMB6	Combination	347,393	-411,647	12,675	-2,1501	0,0052
103	61	COMB6	Combination	-519,309	437,029	12,707	2,1445	-0,0275
103	94	COMB8	Combination	402,256	-880,272	13,672	-2,3250	0,0119
103	61	COMB8	Combination	-574,172	907,684	13,740	2,3132	-0,0370
103	94	COMB8bis	Combination	390,540	-750,099	11,647	-1,9805	0,0104
103	61	COMB8bis	Combination	-562,456	773,450	11,704	1,9705	-0,0350
104	63	COMB1	Combination	143,850	-104,285	14,062	-2,6367	2,430E-04
104	95	COMB1	Combination	-143,850	132,410	14,063	2,6367	-2,430E-04
104	63	COMB2	Combination	153,139	-123,038	14,062	-2,6367	0,0012
104	95	COMB2	Combination	-103,014	151,163	14,063	2,6367	-0,0012
104	63	COMB4	Combination	338,839	-507,471	14,062	-2,6367	-7,442E-04
104	95	COMB4	Combination	-338,839	535,596	14,063	2,6367	7,442E-04
104	63	COMB5	Combination	348,128	-526,225	14,062	-2,6367	2,424E-04
104	95	COMB5	Combination	-298,004	554,350	14,063	2,6367	-2,424E-04
104	63	COMB6	Combination	162,985	-122,524	14,062	-2,6367	0,0012
104	95	COMB6	Combination	-113,986	150,649	14,063	2,6367	-0,0012
104	63	COMB8	Combination	378,809	-567,896	15,187	-2,8477	1,039E-04
104	95	COMB8	Combination	-329,810	598,271	15,188	2,8477	-1,039E-04
104	63	COMB8bis	Combination	337,140	-483,525	12,937	-2,4258	3,374E-04
104	95	COMB8bis	Combination	-288,140	509,400	12,938	2,4258	-3,374E-04
105	95	COMB1	Combination	52,625	-132,410	14,062	-2,6367	2,430E-04
105	96	COMB1	Combination	-52,625	160,535	14,063	2,6367	-2,430E-04
105	95	COMB2	Combination	92,202	-151,163	14,062	-2,6367	0,0012
105	96	COMB2	Combination	-32,703	179,288	14,063	2,6367	-0,0012
105	95	COMB4	Combination	246,929	-535,596	14,062	-2,6367	-7,442E-04
105	96	COMB4	Combination	-246,929	563,721	14,063	2,6367	7,442E-04
105	95	COMB5	Combination	286,506	-554,350	14,062	-2,6367	2,424E-04
105	96	COMB5	Combination	-227,008	582,475	14,063	2,6367	-2,424E-04
105	95	COMB6	Combination	94,568	-150,649	14,062	-2,6367	0,0012
105	96	COMB6	Combination	-36,194	178,774	14,063	2,6367	-0,0012
105	95	COMB8	Combination	309,645	-598,271	15,187	-2,8477	1,039E-04
105	96	COMB8	Combination	-251,271	628,646	15,188	2,8477	-1,039E-04
105	95	COMB8bis	Combination	268,100	-509,400	12,937	-2,4258	3,374E-04
105	96	COMB8bis	Combination	-209,727	535,275	12,938	2,4258	-3,374E-04
106	96	COMB1	Combination	-45,392	-160,535	14,062	-2,6367	2,430E-04
106	97	COMB1	Combination	45,392	188,660	14,063	2,6367	-2,430E-04
106	96	COMB2	Combination	22,147	-179,288	14,062	-2,6367	0,0012
106	97	COMB2	Combination	43,600	207,413	14,063	2,6367	-0,0012
106	96	COMB4	Combination	147,504	-563,721	14,062	-2,6367	-7,442E-04
106	97	COMB4	Combination	-147,504	591,846	14,063	2,6367	7,442E-04
106	96	COMB5	Combination	215,044	-582,475	14,062	-2,6367	2,424E-04
106	97	COMB5	Combination	-149,296	610,600	14,063	2,6367	-2,424E-04
106	96	COMB6	Combination	16,480	-178,774	14,062	-2,6367	0,0012
106	97	COMB6	Combination	48,142	206,899	14,063	2,6367	-0,0012
106	96	COMB8	Combination	230,014	-628,646	15,187	-2,8477	1,039E-04
106	97	COMB8	Combination	-165,391	659,021	15,188	2,8477	-1,039E-04
106	96	COMB8bis	Combination	188,740	-535,275	12,937	-2,4258	3,374E-04
106	97	COMB8bis	Combination	-124,117	561,150	12,938	2,4258	-3,374E-04
107	97	COMB1	Combination	-150,606	-188,660	14,062	-2,6367	2,430E-04
107	65	COMB1	Combination	150,606	216,785	14,063	2,6367	-2,430E-04
107	97	COMB2	Combination	-53,820	-207,413	14,062	-2,6367	0,0012
107	65	COMB2	Combination	128,948	235,538	14,063	2,6367	-0,0012
107	97	COMB4	Combination	41,436	-591,846	14,062	-2,6367	-7,442E-04
107	65	COMB4	Combination	-41,436	619,971	14,063	2,6367	7,442E-04
107	97	COMB5	Combination	138,221	-610,600	14,062	-2,6367	2,424E-04

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

Frame	Joint	OutputCase	CaseType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
107	65	COMB5	Combination	-63,094	638,725	14,063	2,6367	-2,424E-04
107	97	COMB6	Combination	-68,144	-206,899	14,062	-2,6367	0,0012
107	65	COMB6	Combination	142,147	235,024	14,063	2,6367	-0,0012
107	97	COMB8	Combination	144,456	-659,021	15,187	-2,8477	1,039E-04
107	65	COMB8	Combination	-70,454	689,396	15,188	2,8477	-1,039E-04
107	97	COMB8bis	Combination	103,338	-561,150	12,937	-2,4258	3,374E-04
107	65	COMB8bis	Combination	-29,336	587,025	12,938	2,4258	-3,374E-04
108	65	COMB1	Combination	197,386	-263,327	12,701	-2,1457	0,0037
108	98	COMB1	Combination	-197,386	288,708	12,681	2,1492	0,0061
108	65	COMB2	Combination	309,295	-282,080	12,701	-2,1456	0,0082
108	98	COMB2	Combination	-209,225	307,461	12,680	2,1494	0,0048
108	65	COMB4	Combination	146,600	-666,513	12,715	-2,1432	-0,0029
108	98	COMB4	Combination	-146,600	691,894	12,666	2,1518	0,0102
108	65	COMB5	Combination	258,509	-685,267	12,716	-2,1431	0,0016
108	98	COMB5	Combination	-158,439	710,648	12,665	2,1519	0,0088
108	65	COMB6	Combination	324,487	-281,566	12,701	-2,1456	0,0083
108	98	COMB6	Combination	-225,432	306,948	12,680	2,1494	0,0054
108	65	COMB8	Combination	267,696	-739,661	13,733	-2,3145	9,509E-04
108	98	COMB8	Combination	-168,641	767,073	13,679	2,3241	0,0100
108	65	COMB8bis	Combination	279,706	-629,844	11,699	-1,9716	0,0025
108	98	COMB8bis	Combination	-180,651	653,195	11,652	1,9798	0,0090
109	98	COMB1	Combination	90,272	-288,708	12,702	-2,1456	-0,0061
109	99	COMB1	Combination	-90,272	314,089	12,680	2,1494	0,0106
109	98	COMB2	Combination	201,325	-307,461	12,702	-2,1455	-0,0048
109	99	COMB2	Combination	-86,660	332,843	12,679	2,1495	0,0120
109	98	COMB4	Combination	39,788	-691,894	12,716	-2,1430	-0,0102
109	99	COMB4	Combination	-39,788	717,276	12,665	2,1520	0,0122
109	98	COMB5	Combination	150,840	-710,648	12,717	-2,1429	-0,0088
109	99	COMB5	Combination	-36,176	736,029	12,664	2,1521	0,0135
109	98	COMB6	Combination	207,574	-306,948	12,702	-2,1455	-0,0054
109	99	COMB6	Combination	-93,925	332,329	12,679	2,1495	0,0130
109	98	COMB8	Combination	151,111	-767,073	13,734	-2,3143	-0,0100
109	99	COMB8	Combination	-37,462	794,485	13,678	2,3243	0,0147
109	98	COMB8bis	Combination	163,069	-653,195	11,700	-1,9715	-0,0090
109	99	COMB8bis	Combination	-49,419	676,546	11,651	1,9799	0,0144
110	99	COMB1	Combination	-22,521	-314,089	12,703	-2,1454	-0,0106
110	100	COMB1	Combination	22,521	339,471	12,679	2,1496	0,0095
110	99	COMB2	Combination	79,292	-332,843	12,703	-2,1453	-0,0120
110	100	COMB2	Combination	44,130	358,224	12,678	2,1497	0,0129
110	99	COMB4	Combination	-72,702	-717,276	12,717	-2,1429	-0,0122
110	100	COMB4	Combination	72,702	742,657	12,664	2,1521	0,0086
110	99	COMB5	Combination	29,110	-736,029	12,718	-2,1427	-0,0135
110	100	COMB5	Combination	94,311	761,411	12,663	2,1523	0,0120
110	99	COMB6	Combination	76,036	-332,329	12,703	-2,1453	-0,0130
110	100	COMB6	Combination	46,370	357,711	12,678	2,1497	0,0137
110	99	COMB8	Combination	19,895	-794,485	13,735	-2,3142	-0,0147
110	100	COMB8	Combination	102,511	821,897	13,677	2,3244	0,0127
110	99	COMB8bis	Combination	31,814	-676,546	11,701	-1,9713	-0,0144
110	100	COMB8bis	Combination	90,592	699,897	11,650	1,9801	0,0129
111	100	COMB1	Combination	-141,461	-339,471	12,704	-2,1453	-0,0095
111	101	COMB1	Combination	141,461	364,852	12,678	2,1497	0,0025
111	100	COMB2	Combination	-51,809	-358,224	12,704	-2,1451	-0,0129
111	101	COMB2	Combination	183,014	383,606	12,677	2,1499	0,0071
111	100	COMB4	Combination	-191,438	-742,657	12,718	-2,1427	-0,0086
111	101	COMB4	Combination	191,438	768,039	12,663	2,1523	-9,612E-04

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

Frame	Joint	OutputCase	CaseType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
111	100	COMB5	Combination	-101,787	-761,411	12,719	-2,1426	-0,0120
111	101	COMB5	Combination	232,992	786,792	12,662	2,1524	0,0037
111	100	COMB6	Combination	-65,190	-357,711	12,704	-2,1451	-0,0137
111	101	COMB6	Combination	195,380	383,092	12,677	2,1498	0,0073
111	100	COMB8	Combination	-121,122	-821,897	13,736	-2,3140	-0,0127
111	101	COMB8	Combination	251,312	849,309	13,676	2,3246	0,0034
111	100	COMB8bis	Combination	-109,213	-699,897	11,701	-1,9712	-0,0129
111	101	COMB8bis	Combination	239,403	723,248	11,650	1,9802	0,0043
112	101	COMB1	Combination	-266,946	-364,852	12,704	-2,1451	-0,0025
112	102	COMB1	Combination	266,946	390,234	12,677	2,1499	-0,0108
112	101	COMB2	Combination	-191,911	-383,606	12,705	-2,1450	-0,0071
112	102	COMB2	Combination	331,851	408,987	12,676	2,1500	-0,0059
112	101	COMB4	Combination	-316,756	-768,039	12,719	-2,1425	9,612E-04
112	102	COMB4	Combination	316,756	793,420	12,662	2,1525	-0,0167
112	101	COMB5	Combination	-241,722	-786,792	12,720	-2,1424	-0,0037
112	102	COMB5	Combination	381,661	812,174	12,662	2,1526	-0,0118
112	101	COMB6	Combination	-216,089	-383,092	12,705	-2,1450	-0,0073
112	102	COMB6	Combination	355,013	408,473	12,676	2,1500	-0,0069
112	101	COMB8	Combination	-271,849	-849,309	13,737	-2,3138	-0,0034
112	102	COMB8	Combination	410,773	876,721	13,675	2,3248	-0,0135
112	101	COMB8bis	Combination	-259,949	-723,248	11,702	-1,9710	-0,0043
112	102	COMB8bis	Combination	398,873	746,598	11,649	1,9804	-0,0120
113	102	COMB1	Combination	-398,924	-390,234	12,705	-2,1449	0,0108
113	62	COMB1	Combination	398,924	415,615	12,676	2,1501	-0,0307
113	102	COMB2	Combination	-342,502	-408,987	12,706	-2,1448	0,0059
113	62	COMB2	Combination	496,882	434,369	12,675	2,1502	-0,0267
113	102	COMB4	Combination	-448,385	-793,420	12,720	-2,1424	0,0167
113	62	COMB4	Combination	448,385	818,802	12,661	2,1526	-0,0390
113	102	COMB5	Combination	-391,963	-812,174	12,721	-2,1423	0,0118
113	62	COMB5	Combination	546,343	837,555	12,661	2,1527	-0,0351
113	102	COMB6	Combination	-378,156	-408,473	12,706	-2,1448	0,0069
113	62	COMB6	Combination	531,520	433,855	12,675	2,1502	-0,0294
113	102	COMB8	Combination	-433,532	-876,721	13,738	-2,3136	0,0135
113	62	COMB8	Combination	586,897	904,133	13,674	2,3250	-0,0388
113	102	COMB8bis	Combination	-421,701	-746,598	11,703	-1,9709	0,0120
113	62	COMB8bis	Combination	575,065	769,949	11,648	1,9805	-0,0367
114	61	COMB1	Combination	467,709	-158,475	25,783	0,0000	0,0201
114	103	COMB1	Combination	-467,709	220,531	36,273	0,0000	6,4897
114	61	COMB2	Combination	502,941	-171,142	25,777	0,0000	0,0276
114	103	COMB2	Combination	-502,941	233,198	36,279	0,0000	6,4897
114	61	COMB4	Combination	516,715	-416,329	25,776	0,0000	0,0285
114	103	COMB4	Combination	-516,715	478,385	36,280	0,0000	6,4898
114	61	COMB5	Combination	551,947	-428,996	25,770	0,0000	0,0361
114	103	COMB5	Combination	-551,947	491,052	36,286	0,0000	6,4898
114	61	COMB6	Combination	519,309	-168,214	25,777	0,0000	0,0275
114	103	COMB6	Combination	-521,791	230,269	36,279	0,0000	6,4897
114	61	COMB8	Combination	574,172	-460,252	27,833	0,0000	0,0370
114	103	COMB8	Combination	-576,655	527,272	39,187	0,0000	7,0090
114	61	COMB8bis	Combination	562,456	-391,883	23,707	0,0000	0,0350
114	103	COMB8bis	Combination	-564,939	448,974	33,385	0,0000	5,9707
115	103	COMB1	Combination	467,709	-41,061	31,086	0,0000	-6,4897
115	104	COMB1	Combination	-467,709	103,117	30,970	0,0000	6,4174
115	103	COMB2	Combination	502,941	-69,079	31,086	0,0000	-6,4897
115	104	COMB2	Combination	-502,941	131,135	30,970	0,0000	6,4174
115	103	COMB4	Combination	516,715	-209,937	31,086	0,0000	-6,4898

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

Frame	Joint	OutputCase	CaseType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
115	104	COMB4	Combination	-516,715	271,993	30,970	0,0000	6,4174
115	103	COMB5	Combination	551,947	-237,955	31,086	0,0000	-6,4898
115	104	COMB5	Combination	-551,947	300,011	30,969	0,0000	6,4174
115	103	COMB6	Combination	521,791	-64,426	31,086	0,0000	-6,4897
115	104	COMB6	Combination	-524,274	126,482	30,970	0,0000	6,4174
115	103	COMB8	Combination	576,655	-252,237	33,573	0,0000	-7,0090
115	104	COMB8	Combination	-579,137	319,257	33,447	0,0000	6,9308
115	103	COMB8bis	Combination	564,939	-214,368	28,599	0,0000	-5,9707
115	104	COMB8bis	Combination	-567,421	271,459	28,492	0,0000	5,9040
116	104	COMB1	Combination	467,709	-5,649	31,027	0,0000	-6,4174
116	105	COMB1	Combination	-467,709	67,705	31,029	0,0000	6,4182
116	104	COMB2	Combination	502,941	-39,990	31,027	0,0000	-6,4174
116	105	COMB2	Combination	-502,941	102,046	31,029	0,0000	6,4182
116	104	COMB4	Combination	516,715	-125,643	31,027	0,0000	-6,4174
116	105	COMB4	Combination	-516,715	187,699	31,029	0,0000	6,4182
116	104	COMB5	Combination	551,947	-159,984	31,027	0,0000	-6,4174
116	105	COMB5	Combination	-551,947	222,040	31,029	0,0000	6,4182
116	104	COMB6	Combination	524,274	-34,604	31,027	0,0000	-6,4174
116	105	COMB6	Combination	-526,756	96,660	31,029	0,0000	6,4182
116	104	COMB8	Combination	579,137	-167,339	33,509	0,0000	-6,9308
116	105	COMB8	Combination	-581,619	234,359	33,511	0,0000	6,9317
116	104	COMB8bis	Combination	567,421	-141,857	28,545	0,0000	-5,9040
116	105	COMB8bis	Combination	-569,903	198,948	28,546	0,0000	5,9047
117	105	COMB1	Combination	467,709	27,533	31,028	0,0000	-6,4182
117	106	COMB1	Combination	-467,709	34,523	31,028	0,0000	6,4182
117	105	COMB2	Combination	502,941	-10,973	31,028	0,0000	-6,4182
117	106	COMB2	Combination	-502,941	73,029	31,028	0,0000	6,4182
117	105	COMB4	Combination	516,715	-44,020	31,028	0,0000	-6,4182
117	106	COMB4	Combination	-516,715	106,075	31,028	0,0000	6,4182
117	105	COMB5	Combination	551,947	-82,526	31,028	0,0000	-6,4182
117	106	COMB5	Combination	-551,947	144,582	31,028	0,0000	6,4182
117	105	COMB6	Combination	526,756	-5,078	31,028	0,0000	-6,4182
117	106	COMB6	Combination	-529,238	67,134	31,028	0,0000	6,4182
117	105	COMB8	Combination	581,619	-83,236	33,510	0,0000	-6,9317
117	106	COMB8	Combination	-584,101	150,256	33,510	0,0000	6,9316
117	105	COMB8bis	Combination	569,903	-70,026	28,546	0,0000	-5,9047
117	106	COMB8bis	Combination	-572,385	127,117	28,546	0,0000	5,9047
118	106	COMB1	Combination	467,709	58,506	31,028	0,0000	-6,4182
118	107	COMB1	Combination	-467,709	3,549	31,028	0,0000	6,4182
118	106	COMB2	Combination	502,941	17,956	31,028	0,0000	-6,4182
118	107	COMB2	Combination	-502,941	44,100	31,028	0,0000	6,4182
118	106	COMB4	Combination	516,715	35,102	31,028	0,0000	-6,4182
118	107	COMB4	Combination	-516,715	26,953	31,028	0,0000	6,4182
118	106	COMB5	Combination	551,947	-5,448	31,028	0,0000	-6,4182
118	107	COMB5	Combination	-551,947	67,504	31,028	0,0000	6,4182
118	106	COMB6	Combination	529,238	24,133	31,028	0,0000	-6,4182
118	107	COMB6	Combination	-531,720	37,923	31,028	0,0000	6,4182
118	106	COMB8	Combination	584,101	0,223	33,510	0,0000	-6,9316
118	107	COMB8	Combination	-586,584	66,797	33,510	0,0000	6,9316
118	106	COMB8bis	Combination	572,385	1,235	28,546	0,0000	-5,9047
118	107	COMB8bis	Combination	-574,867	55,856	28,546	0,0000	5,9047
119	107	COMB1	Combination	467,709	87,292	31,028	0,0000	-6,4182
119	108	COMB1	Combination	-467,709	-25,236	31,028	0,0000	6,4182
119	107	COMB2	Combination	502,941	46,798	31,028	0,0000	-6,4182
119	108	COMB2	Combination	-502,941	15,258	31,028	0,0000	6,4182

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

Frame	Joint	OutputCase	CaseType	F1	F2	F3	M1	M2
				KN	KN	KN	KN-m	KN-m
119	107	COMB4	Combination	516,715	111,918	31,028	0,0000	-6,4182
119	108	COMB4	Combination	-516,715	-49,863	31,028	0,0000	6,4182
119	107	COMB5	Combination	551,947	71,424	31,028	0,0000	-6,4182
119	108	COMB5	Combination	-551,947	-9,368	31,028	0,0000	6,4182
119	107	COMB6	Combination	531,720	53,024	31,028	0,0000	-6,4182
119	108	COMB6	Combination	-534,202	9,032	31,028	0,0000	6,4182
119	107	COMB8	Combination	586,584	83,229	33,510	0,0000	-6,9316
119	108	COMB8	Combination	-589,066	-16,208	33,510	0,0000	6,9316
119	107	COMB8bis	Combination	574,867	72,072	28,546	0,0000	-5,9047
119	108	COMB8bis	Combination	-577,350	-14,980	28,546	0,0000	5,9047
120	108	COMB1	Combination	467,709	113,902	31,028	0,0000	-6,4182
120	109	COMB1	Combination	-467,709	-51,846	31,028	0,0000	6,4182
120	108	COMB2	Combination	502,941	75,555	31,028	0,0000	-6,4182
120	109	COMB2	Combination	-502,941	-13,500	31,028	0,0000	6,4182
120	108	COMB4	Combination	516,715	186,622	31,028	0,0000	-6,4182
120	109	COMB4	Combination	-516,715	-124,566	31,028	0,0000	6,4182
120	108	COMB5	Combination	551,947	148,275	31,028	0,0000	-6,4182
120	109	COMB5	Combination	-551,947	-86,219	31,028	0,0000	6,4182
120	108	COMB6	Combination	534,202	81,592	31,028	0,0000	-6,4182
120	109	COMB6	Combination	-536,685	-19,536	31,028	0,0000	6,4182
120	108	COMB8	Combination	589,066	165,984	33,510	0,0000	-6,9316
120	109	COMB8	Combination	-591,548	-98,963	33,510	0,0000	6,9317
120	108	COMB8bis	Combination	577,350	142,638	28,546	0,0000	-5,9047
120	109	COMB8bis	Combination	-579,832	-85,547	28,546	0,0000	5,9047
121	109	COMB1	Combination	467,709	138,328	31,029	0,0000	-6,4182
121	110	COMB1	Combination	-467,709	-76,273	31,027	0,0000	6,4174
121	109	COMB2	Combination	502,941	104,227	31,029	0,0000	-6,4182
121	110	COMB2	Combination	-502,941	-42,171	31,027	0,0000	6,4174
121	109	COMB4	Combination	516,715	259,378	31,029	0,0000	-6,4182
121	110	COMB4	Combination	-516,715	-197,322	31,027	0,0000	6,4174
121	109	COMB5	Combination	551,947	225,276	31,029	0,0000	-6,4182
121	110	COMB5	Combination	-551,947	-163,221	31,027	0,0000	6,4174
121	109	COMB6	Combination	536,685	109,825	31,029	0,0000	-6,4182
121	110	COMB6	Combination	-539,167	-47,769	31,027	0,0000	6,4174
121	109	COMB8	Combination	591,548	248,673	33,511	0,0000	-6,9317
121	110	COMB8	Combination	-594,030	-181,653	33,509	0,0000	6,9308
121	109	COMB8bis	Combination	579,832	213,075	28,546	0,0000	-5,9047
121	110	COMB8bis	Combination	-582,314	-155,983	28,545	0,0000	5,9040
122	110	COMB1	Combination	467,709	160,534	30,970	0,0000	-6,4174
122	111	COMB1	Combination	-467,709	-98,479	31,086	0,0000	6,4891
122	110	COMB2	Combination	502,941	132,797	30,970	0,0000	-6,4174
122	111	COMB2	Combination	-502,941	-70,741	31,086	0,0000	6,4891
122	110	COMB4	Combination	516,715	330,298	30,970	0,0000	-6,4174
122	111	COMB4	Combination	-516,715	-268,242	31,086	0,0000	6,4890
122	110	COMB5	Combination	551,947	302,560	30,970	0,0000	-6,4174
122	111	COMB5	Combination	-551,947	-240,504	31,086	0,0000	6,4891
122	110	COMB6	Combination	539,167	137,696	30,970	0,0000	-6,4174
122	111	COMB6	Combination	-541,649	-75,640	31,086	0,0000	6,4891
122	110	COMB8	Combination	594,030	331,438	33,448	0,0000	-6,9308
122	111	COMB8	Combination	-596,513	-264,418	33,572	0,0000	7,0082
122	110	COMB8bis	Combination	582,314	283,481	28,493	0,0000	-5,9040
122	111	COMB8bis	Combination	-584,796	-226,389	28,599	0,0000	5,9699
123	111	COMB1	Combination	467,709	246,020	36,232	0,0000	-6,4891
123	62	COMB1	Combination	-467,709	-183,964	25,824	0,0000	0,0307
123	111	COMB2	Combination	502,941	233,606	36,235	0,0000	-6,4891

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

Frame	Joint	OutputCase	CaseType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
123	62	COMB2	Combination	-502,941	-171,550	25,821	0,0000	0,0267
123	111	COMB4	Combination	516,715	504,354	36,225	0,0000	-6,4890
123	62	COMB4	Combination	-516,715	-442,298	25,831	0,0000	0,0390
123	111	COMB5	Combination	551,947	491,940	36,228	0,0000	-6,4891
123	62	COMB5	Combination	-551,947	-429,884	25,828	0,0000	0,0351
123	111	COMB6	Combination	541,649	236,757	36,233	0,0000	-6,4891
123	62	COMB6	Combination	-544,131	-174,702	25,823	0,0000	0,0294
123	111	COMB8	Combination	596,513	534,286	39,126	0,0000	-7,0082
123	62	COMB8	Combination	-598,995	-467,266	27,895	0,0000	0,0388
123	111	COMB8bis	Combination	584,796	455,897	33,326	0,0000	-5,9699
123	62	COMB8bis	Combination	-587,279	-398,806	23,765	0,0000	0,0367
124	60	COMB1	Combination	186,143	143,938	10,312	0,0062	-0,0021
124	112	COMB1	Combination	-186,143	-119,116	14,510	0,0018	2,5958
124	60	COMB2	Combination	158,481	125,185	10,313	0,0049	-0,0014
124	112	COMB2	Combination	-158,481	-100,362	14,509	0,0020	2,5958
124	60	COMB4	Combination	380,008	547,476	10,302	0,0212	-0,0011
124	112	COMB4	Combination	-380,008	-441,981	14,520	0,0089	2,5958
124	60	COMB5	Combination	352,347	528,723	10,303	0,0199	-3,415E-04
124	112	COMB5	Combination	-352,347	-423,228	14,520	0,0091	2,5958
124	60	COMB6	Combination	162,454	125,698	10,313	0,0049	-0,0016
124	112	COMB6	Combination	-163,446	-100,876	14,509	0,0020	2,5958
124	60	COMB8	Combination	377,034	571,447	11,127	0,0215	-4,603E-04
124	112	COMB8	Combination	-378,027	-457,513	15,681	0,0098	2,8034
124	60	COMB8bis	Combination	335,604	487,026	9,478	0,0184	-7,011E-04
124	112	COMB8bis	Combination	-336,597	-389,971	13,358	0,0083	2,3881
125	112	COMB1	Combination	186,143	119,116	12,425	0,0044	-2,5958
125	113	COMB1	Combination	-186,143	-94,294	12,397	0,0021	2,5670
125	112	COMB2	Combination	158,481	100,362	12,427	0,0032	-2,5958
125	113	COMB2	Combination	-158,481	-75,540	12,396	0,0021	2,5670
125	112	COMB4	Combination	380,008	441,981	12,416	0,0141	-2,5958
125	113	COMB4	Combination	-380,008	-336,487	12,407	0,0096	2,5670
125	112	COMB5	Combination	352,347	423,228	12,417	0,0130	-2,5958
125	113	COMB5	Combination	-352,347	-317,733	12,405	0,0096	2,5670
125	112	COMB6	Combination	163,446	100,876	12,426	0,0033	-2,5958
125	113	COMB6	Combination	-164,439	-76,054	12,396	0,0021	2,5670
125	112	COMB8	Combination	378,027	457,513	13,411	0,0140	-2,8034
125	113	COMB8	Combination	-379,020	-343,578	13,398	0,0103	2,7723
125	112	COMB8bis	Combination	336,597	389,971	11,423	0,0120	-2,3881
125	113	COMB8bis	Combination	-337,589	-292,916	11,413	0,0088	2,3616
126	113	COMB1	Combination	186,143	94,294	12,402	0,0028	-2,5670
126	114	COMB1	Combination	-186,143	-69,471	12,421	0,0022	2,5673
126	113	COMB2	Combination	158,481	75,540	12,403	0,0018	-2,5670
126	114	COMB2	Combination	-158,481	-50,718	12,419	0,0020	2,5673
126	113	COMB4	Combination	380,008	336,487	12,392	0,0080	-2,5670
126	114	COMB4	Combination	-380,008	-230,992	12,430	0,0093	2,5673
126	113	COMB5	Combination	352,347	317,733	12,394	0,0070	-2,5670
126	114	COMB5	Combination	-352,347	-212,238	12,429	0,0092	2,5673
126	113	COMB6	Combination	164,439	76,054	12,403	0,0018	-2,5670
126	114	COMB6	Combination	-165,432	-51,232	12,419	0,0020	2,5673
126	113	COMB8	Combination	379,020	343,578	13,385	0,0075	-2,7723
126	114	COMB8	Combination	-380,013	-229,644	13,423	0,0099	2,7727
126	113	COMB8bis	Combination	337,589	292,916	11,401	0,0065	-2,3616
126	114	COMB8bis	Combination	-338,582	-195,861	11,435	0,0084	2,3619
127	114	COMB1	Combination	186,143	69,471	12,402	0,0014	-2,5673
127	115	COMB1	Combination	-186,143	-44,649	12,420	0,0020	2,5673

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

Frame	Joint	OutputCase	CaseType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
127	114	COMB2	Combination	158,481	50,718	12,403	5,947E-04	-2,5673
127	115	COMB2	Combination	-158,481	-25,895	12,419	0,0017	2,5673
127	114	COMB4	Combination	380,008	230,992	12,393	0,0027	-2,5673
127	115	COMB4	Combination	-380,008	-125,497	12,430	0,0081	2,5673
127	114	COMB5	Combination	352,347	212,238	12,394	0,0019	-2,5673
127	115	COMB5	Combination	-352,347	-106,744	12,428	0,0078	2,5673
127	114	COMB6	Combination	165,432	51,232	12,403	6,290E-04	-2,5673
127	115	COMB6	Combination	-166,425	-26,409	12,419	0,0017	2,5673
127	114	COMB8	Combination	380,013	229,644	13,385	0,0020	-2,7727
127	115	COMB8	Combination	-381,006	-115,710	13,423	0,0085	2,7727
127	114	COMB8bis	Combination	338,582	195,861	11,402	0,0018	-2,3619
127	115	COMB8bis	Combination	-339,575	-98,805	11,435	0,0072	2,3619
128	115	COMB1	Combination	186,143	44,649	12,402	2,845E-04	-2,5673
128	116	COMB1	Combination	-186,143	-19,827	12,420	0,0017	2,5673
128	115	COMB2	Combination	158,481	25,895	12,403	-3,883E-04	-2,5673
128	116	COMB2	Combination	-158,481	-1,073	12,419	0,0012	2,5673
128	115	COMB4	Combination	380,008	125,497	12,393	-0,0016	-2,5673
128	116	COMB4	Combination	-380,008	-20,002	12,430	0,0060	2,5673
128	115	COMB5	Combination	352,347	106,744	12,394	-0,0023	-2,5673
128	116	COMB5	Combination	-352,347	-1,249	12,428	0,0056	2,5673
128	115	COMB6	Combination	166,425	26,409	12,403	-3,585E-04	-2,5673
128	116	COMB6	Combination	-167,418	-1,587	12,419	0,0012	2,5673
128	115	COMB8	Combination	381,006	115,710	13,385	-0,0024	-2,7727
128	116	COMB8	Combination	-381,999	-1,775	13,423	0,0060	2,7727
128	115	COMB8bis	Combination	339,575	98,805	11,402	-0,0020	-2,3619
128	116	COMB8bis	Combination	-340,568	-1,750	11,435	0,0051	2,3619
129	116	COMB1	Combination	186,143	19,827	12,402	-6,451E-04	-2,5673
129	117	COMB1	Combination	-186,143	4,996	12,420	0,0011	2,5673
129	116	COMB2	Combination	158,481	1,073	12,403	-0,0012	-2,5673
129	117	COMB2	Combination	-158,481	23,749	12,419	4,631E-04	2,5673
129	116	COMB4	Combination	380,008	20,002	12,393	-0,0050	-2,5673
129	117	COMB4	Combination	-380,008	85,492	12,430	0,0030	2,5673
129	116	COMB5	Combination	352,347	1,249	12,394	-0,0055	-2,5673
129	117	COMB5	Combination	-352,347	104,246	12,428	0,0024	2,5673
129	116	COMB6	Combination	167,418	1,587	12,403	-0,0011	-2,5673
129	117	COMB6	Combination	-168,411	23,235	12,419	4,690E-04	2,5673
129	116	COMB8	Combination	381,999	1,775	13,385	-0,0059	-2,7727
129	117	COMB8	Combination	-382,991	112,159	13,423	0,0026	2,7727
129	116	COMB8bis	Combination	340,568	1,750	11,402	-0,0050	-2,3619
129	117	COMB8bis	Combination	-341,561	95,305	11,435	0,0022	2,3619
130	117	COMB1	Combination	186,143	-4,996	12,402	-0,0014	-2,5673
130	118	COMB1	Combination	-186,143	29,818	12,420	2,972E-04	2,5673
130	117	COMB2	Combination	158,481	-23,749	12,403	-0,0017	-2,5673
130	118	COMB2	Combination	-158,481	48,571	12,419	-5,011E-04	2,5673
130	117	COMB4	Combination	380,008	-85,492	12,393	-0,0074	-2,5673
130	118	COMB4	Combination	-380,008	190,987	12,430	-9,695E-04	2,5673
130	117	COMB5	Combination	352,347	-104,246	12,394	-0,0078	-2,5673
130	118	COMB5	Combination	-352,347	209,741	12,428	-0,0018	2,5673
130	117	COMB6	Combination	168,411	-23,235	12,403	-0,0017	-2,5673
130	118	COMB6	Combination	-169,404	48,058	12,419	-4,905E-04	2,5673
130	117	COMB8	Combination	382,991	-112,159	13,385	-0,0084	-2,7727
130	118	COMB8	Combination	-383,984	226,093	13,423	-0,0019	2,7727
130	117	COMB8bis	Combination	341,561	-95,305	11,401	-0,0071	-2,3619
130	118	COMB8bis	Combination	-342,554	192,360	11,435	-0,0016	2,3619
131	118	COMB1	Combination	186,143	-29,818	12,402	-0,0018	-2,5673

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	<p>a301-00-d-cv-ro-gn00-0x-013-e00</p> <p>Foglio 189 di 289</p>

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

Frame	Joint	OutputCase	CaseType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
131	119	COMB1	Combination	-186,143	54,640	12,420	-7,203E-04	2,5670
131	118	COMB2	Combination	158,481	-48,571	12,404	-0,0020	-2,5673
131	119	COMB2	Combination	-158,481	73,394	12,419	-0,0017	2,5670
131	118	COMB4	Combination	380,008	-190,987	12,393	-0,0090	-2,5673
131	119	COMB4	Combination	-380,008	296,482	12,430	-0,0059	2,5670
131	118	COMB5	Combination	352,347	-209,741	12,394	-0,0091	-2,5673
131	119	COMB5	Combination	-352,347	315,235	12,428	-0,0068	2,5670
131	118	COMB6	Combination	169,404	-48,058	12,403	-0,0020	-2,5673
131	119	COMB6	Combination	-170,397	72,880	12,419	-0,0017	2,5670
131	118	COMB8	Combination	383,984	-226,093	13,385	-0,0099	-2,7727
131	119	COMB8	Combination	-384,977	340,028	13,423	-0,0073	2,7723
131	118	COMB8bis	Combination	342,554	-192,360	11,402	-0,0084	-2,3619
131	119	COMB8bis	Combination	-343,547	289,415	11,435	-0,0063	2,3616
132	119	COMB1	Combination	186,143	-54,640	12,379	-0,0021	-2,5670
132	120	COMB1	Combination	-186,143	79,462	12,443	-0,0020	2,5958
132	119	COMB2	Combination	158,481	-73,394	12,380	-0,0021	-2,5670
132	120	COMB2	Combination	-158,481	98,216	12,442	-0,0031	2,5958
132	119	COMB4	Combination	380,008	-296,482	12,369	-0,0096	-2,5670
132	120	COMB4	Combination	-380,008	401,976	12,453	-0,0117	2,5958
132	119	COMB5	Combination	352,347	-315,235	12,371	-0,0096	-2,5670
132	120	COMB5	Combination	-352,347	420,730	12,452	-0,0128	2,5958
132	119	COMB6	Combination	170,397	-72,880	12,380	-0,0021	-2,5670
132	120	COMB6	Combination	-171,390	97,702	12,443	-0,0031	2,5958
132	119	COMB8	Combination	384,977	-340,028	13,360	-0,0103	-2,7723
132	120	COMB8	Combination	-385,970	453,962	13,448	-0,0138	2,8034
132	119	COMB8bis	Combination	343,547	-289,415	11,380	-0,0088	-2,3616
132	120	COMB8bis	Combination	-344,540	386,470	11,456	-0,0118	2,3881
133	120	COMB1	Combination	186,143	-79,462	14,494	-0,0022	-2,5958
133	63	COMB1	Combination	-186,143	104,285	10,329	-0,0034	-2,430E-04
133	120	COMB2	Combination	158,481	-98,216	14,496	-0,0020	-2,5958
133	63	COMB2	Combination	-158,481	123,038	10,326	-0,0047	-0,0012
133	120	COMB4	Combination	380,008	-401,976	14,483	-0,0092	-2,5958
133	63	COMB4	Combination	-380,008	507,471	10,339	-0,0184	7,442E-04
133	120	COMB5	Combination	352,347	-420,730	14,486	-0,0091	-2,5958
133	63	COMB5	Combination	-352,347	526,225	10,337	-0,0197	-2,424E-04
133	120	COMB6	Combination	171,390	-97,702	14,495	-0,0020	-2,5958
133	63	COMB6	Combination	-172,382	122,524	10,327	-0,0047	-0,0012
133	120	COMB8	Combination	385,970	-453,962	15,644	-0,0098	-2,8034
133	63	COMB8	Combination	-386,963	567,896	11,164	-0,0213	-1,039E-04
133	120	COMB8bis	Combination	344,540	-386,470	13,326	-0,0083	-2,3881
133	63	COMB8bis	Combination	-345,533	483,525	9,511	-0,0181	-3,374E-04
134	64	COMB1	Combination	455,098	46,542	3,856	-0,0248	-0,0101
134	121	COMB1	Combination	-455,098	-37,233	5,453	0,0273	0,9733
134	64	COMB2	Combination	447,527	46,542	3,854	-0,0236	-0,0074
134	121	COMB2	Combination	-447,527	-37,233	5,454	0,0261	0,9733
134	64	COMB4	Combination	212,227	46,542	3,863	-0,0251	-0,0044
134	121	COMB4	Combination	-212,227	-37,233	5,445	0,0276	0,9734
134	64	COMB5	Combination	204,657	46,542	3,861	-0,0239	-0,0017
134	121	COMB5	Combination	-204,657	-37,233	5,447	0,0264	0,9734
134	64	COMB6	Combination	482,137	46,542	3,853	-0,0237	-0,0085
134	121	COMB6	Combination	-482,509	-37,233	5,455	0,0262	0,9733
134	64	COMB8	Combination	212,693	50,265	4,171	-0,0258	-0,0021
134	121	COMB8	Combination	-213,065	-40,212	5,882	0,0286	1,0513
134	64	COMB8bis	Combination	265,840	42,818	3,550	-0,0221	-0,0034
134	121	COMB8bis	Combination	-266,212	-34,255	5,014	0,0244	0,8955

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	<p>a301-00-d-cv-ro-gn00-0x-013-e00</p> <p>Foglio 190 di 289</p>

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

Frame	Joint	OutputCase	CaseType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
135	121	COMB1	Combination	455,098	37,233	4,640	0,0019	-0,9733
135	122	COMB1	Combination	-455,098	-27,925	4,668	6,702E-05	0,9626
135	121	COMB2	Combination	447,527	37,233	4,641	0,0019	-0,9733
135	122	COMB2	Combination	-447,527	-27,925	4,667	6,702E-05	0,9626
135	121	COMB4	Combination	212,227	37,233	4,652	0,0019	-0,9734
135	122	COMB4	Combination	-212,227	-27,925	4,656	6,702E-05	0,9626
135	121	COMB5	Combination	204,657	37,233	4,653	0,0019	-0,9734
135	122	COMB5	Combination	-204,657	-27,925	4,656	6,702E-05	0,9626
135	121	COMB6	Combination	482,509	37,233	4,639	0,0019	-0,9733
135	122	COMB6	Combination	-482,882	-27,925	4,669	6,702E-05	0,9626
135	121	COMB8	Combination	213,065	40,212	5,025	0,0021	-1,0513
135	122	COMB8	Combination	-213,438	-30,159	5,028	7,238E-05	1,0396
135	121	COMB8bis	Combination	266,212	34,255	4,277	0,0018	-0,8955
135	122	COMB8bis	Combination	-266,584	-25,691	4,287	6,166E-05	0,8856
136	122	COMB1	Combination	455,098	27,925	4,632	0,0022	-0,9626
136	123	COMB1	Combination	-455,098	-18,617	4,677	-8,140E-04	0,9627
136	122	COMB2	Combination	447,527	27,925	4,632	0,0022	-0,9626
136	123	COMB2	Combination	-447,527	-18,617	4,676	-8,140E-04	0,9627
136	122	COMB4	Combination	212,227	27,925	4,644	0,0022	-0,9626
136	123	COMB4	Combination	-212,227	-18,617	4,665	-8,140E-04	0,9627
136	122	COMB5	Combination	204,657	27,925	4,644	0,0022	-0,9626
136	123	COMB5	Combination	-204,657	-18,617	4,664	-8,140E-04	0,9627
136	122	COMB6	Combination	482,882	27,925	4,630	0,0022	-0,9626
136	123	COMB6	Combination	-483,254	-18,617	4,678	-8,140E-04	0,9627
136	122	COMB8	Combination	213,438	30,159	5,016	0,0024	-1,0396
136	123	COMB8	Combination	-213,810	-20,106	5,037	-8,791E-04	1,0397
136	122	COMB8bis	Combination	266,584	25,691	4,269	0,0021	-0,8856
136	123	COMB8bis	Combination	-266,957	-17,127	4,295	-7,488E-04	0,8857
137	123	COMB1	Combination	455,098	18,617	4,632	0,0023	-0,9627
137	124	COMB1	Combination	-455,098	-9,308	4,676	-0,0015	0,9627
137	123	COMB2	Combination	447,527	18,617	4,632	0,0023	-0,9627
137	124	COMB2	Combination	-447,527	-9,308	4,676	-0,0015	0,9627
137	123	COMB4	Combination	212,227	18,617	4,644	0,0023	-0,9627
137	124	COMB4	Combination	-212,227	-9,308	4,665	-0,0015	0,9627
137	123	COMB5	Combination	204,657	18,617	4,644	0,0023	-0,9627
137	124	COMB5	Combination	-204,657	-9,308	4,664	-0,0015	0,9627
137	123	COMB6	Combination	483,254	18,617	4,630	0,0023	-0,9627
137	124	COMB6	Combination	-483,626	-9,308	4,678	-0,0015	0,9627
137	123	COMB8	Combination	213,810	20,106	5,016	0,0025	-1,0397
137	124	COMB8	Combination	-214,182	-10,053	5,037	-0,0016	1,0397
137	123	COMB8bis	Combination	266,957	17,127	4,269	0,0022	-0,8857
137	124	COMB8bis	Combination	-267,329	-8,564	4,295	-0,0014	0,8857
138	124	COMB1	Combination	455,098	9,308	4,632	0,0023	-0,9627
138	125	COMB1	Combination	-455,098	6,169E-07	4,676	-0,0020	0,9627
138	124	COMB2	Combination	447,527	9,308	4,632	0,0023	-0,9627
138	125	COMB2	Combination	-447,527	6,173E-07	4,676	-0,0020	0,9627
138	124	COMB4	Combination	212,227	9,308	4,644	0,0023	-0,9627
138	125	COMB4	Combination	-212,227	2,814E-07	4,665	-0,0020	0,9627
138	124	COMB5	Combination	204,657	9,308	4,644	0,0023	-0,9627
138	125	COMB5	Combination	-204,657	2,818E-07	4,664	-0,0020	0,9627
138	124	COMB6	Combination	483,626	9,308	4,630	0,0023	-0,9627
138	125	COMB6	Combination	-483,999	6,670E-07	4,678	-0,0020	0,9627
138	124	COMB8	Combination	214,182	10,053	5,016	0,0024	-1,0397
138	125	COMB8	Combination	-214,555	2,948E-07	5,037	-0,0021	1,0397
138	124	COMB8bis	Combination	267,329	8,564	4,269	0,0021	-0,8857

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

Frame	Joint	OutputCase	CaseType	F1	F2	F3	M1	M2
				KN	KN	KN	KN-m	KN-m
138	125	COMB8bis	Combination	-267,701	3,682E-07	4,295	-0,0018	0,8857
139	125	COMB1	Combination	455,098	-6,169E-07	4,632	0,0020	-0,9627
139	126	COMB1	Combination	-455,098	9,308	4,676	-0,0023	0,9627
139	125	COMB2	Combination	447,527	-6,173E-07	4,632	0,0020	-0,9627
139	126	COMB2	Combination	-447,527	9,308	4,676	-0,0023	0,9627
139	125	COMB4	Combination	212,227	-2,814E-07	4,644	0,0020	-0,9627
139	126	COMB4	Combination	-212,227	9,308	4,665	-0,0023	0,9627
139	125	COMB5	Combination	204,657	-2,818E-07	4,644	0,0020	-0,9627
139	126	COMB5	Combination	-204,657	9,308	4,664	-0,0023	0,9627
139	125	COMB6	Combination	483,999	-6,670E-07	4,630	0,0020	-0,9627
139	126	COMB6	Combination	-484,371	9,308	4,678	-0,0023	0,9627
139	125	COMB8	Combination	214,555	-2,948E-07	5,016	0,0021	-1,0397
139	126	COMB8	Combination	-214,927	10,053	5,037	-0,0024	1,0397
139	125	COMB8bis	Combination	267,701	-3,682E-07	4,269	0,0018	-0,8857
139	126	COMB8bis	Combination	-268,074	8,564	4,295	-0,0021	0,8857
140	126	COMB1	Combination	455,098	-9,308	4,632	0,0015	-0,9627
140	127	COMB1	Combination	-455,098	18,617	4,676	-0,0023	0,9627
140	126	COMB2	Combination	447,527	-9,308	4,632	0,0015	-0,9627
140	127	COMB2	Combination	-447,527	18,617	4,676	-0,0023	0,9627
140	126	COMB4	Combination	212,227	-9,308	4,644	0,0015	-0,9627
140	127	COMB4	Combination	-212,227	18,617	4,665	-0,0023	0,9627
140	126	COMB5	Combination	204,657	-9,308	4,644	0,0015	-0,9627
140	127	COMB5	Combination	-204,657	18,617	4,664	-0,0023	0,9627
140	126	COMB6	Combination	484,371	-9,308	4,630	0,0015	-0,9627
140	127	COMB6	Combination	-484,743	18,617	4,678	-0,0023	0,9627
140	126	COMB8	Combination	214,927	-10,053	5,016	0,0016	-1,0397
140	127	COMB8	Combination	-215,299	20,106	5,037	-0,0025	1,0397
140	126	COMB8bis	Combination	268,074	-8,564	4,269	0,0014	-0,8857
140	127	COMB8bis	Combination	-268,446	17,127	4,295	-0,0022	0,8857
141	127	COMB1	Combination	455,098	-18,617	4,632	8,140E-04	-0,9627
141	128	COMB1	Combination	-455,098	27,925	4,676	-0,0022	0,9626
141	127	COMB2	Combination	447,527	-18,617	4,632	8,140E-04	-0,9627
141	128	COMB2	Combination	-447,527	27,925	4,676	-0,0022	0,9626
141	127	COMB4	Combination	212,227	-18,617	4,644	8,140E-04	-0,9627
141	128	COMB4	Combination	-212,227	27,925	4,664	-0,0022	0,9626
141	127	COMB5	Combination	204,657	-18,617	4,644	8,140E-04	-0,9627
141	128	COMB5	Combination	-204,657	27,925	4,664	-0,0022	0,9626
141	127	COMB6	Combination	484,743	-18,617	4,631	8,140E-04	-0,9627
141	128	COMB6	Combination	-485,116	27,925	4,678	-0,0022	0,9626
141	127	COMB8	Combination	215,299	-20,106	5,016	8,791E-04	-1,0397
141	128	COMB8	Combination	-215,672	30,159	5,037	-0,0024	1,0396
141	127	COMB8bis	Combination	268,446	-17,127	4,269	7,488E-04	-0,8857
141	128	COMB8bis	Combination	-268,818	25,691	4,295	-0,0021	0,8856
142	128	COMB1	Combination	455,098	-27,925	4,623	-6,702E-05	-0,9626
142	129	COMB1	Combination	-455,098	37,233	4,685	-0,0019	0,9735
142	128	COMB2	Combination	447,527	-27,925	4,623	-6,702E-05	-0,9626
142	129	COMB2	Combination	-447,527	37,233	4,685	-0,0019	0,9735
142	128	COMB4	Combination	212,227	-27,925	4,635	-6,702E-05	-0,9626
142	129	COMB4	Combination	-212,227	37,233	4,673	-0,0019	0,9734
142	128	COMB5	Combination	204,657	-27,925	4,635	-6,702E-05	-0,9626
142	129	COMB5	Combination	-204,657	37,233	4,673	-0,0019	0,9734
142	128	COMB6	Combination	485,116	-27,925	4,622	-6,702E-05	-0,9626
142	129	COMB6	Combination	-485,488	37,233	4,687	-0,0019	0,9735
142	128	COMB8	Combination	215,672	-30,159	5,007	-7,238E-05	-1,0396
142	129	COMB8	Combination	-216,044	40,212	5,047	-0,0021	1,0513

<p>GENERAL CONTRACTOR</p>  <p>Censorzio Collegamenti Integrati Veloci</p>	<p>ALTA SORVEGLIANZA</p>  <p>GRUPPO FERROVIE DELLO STATO ITALIANE</p>
	<p>a301-00-d-cv-ro-gn00-0x-013-e00</p> <p>Foglio 192 di 289</p>

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

Frame	Joint	OutputCase	CaseType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
142	128	COMB8bis	Combination	268,818	-25,691	4,261	-6,166E-05	-0,8856
142	129	COMB8bis	Combination	-269,191	34,255	4,303	-0,0018	0,8956
143	129	COMB1	Combination	455,098	-37,233	5,419	-0,0247	-0,9735
143	65	COMB1	Combination	-455,098	46,542	3,889	0,0221	-0,0035
143	129	COMB2	Combination	447,527	-37,233	5,422	-0,0260	-0,9735
143	65	COMB2	Combination	-447,527	46,542	3,886	0,0234	-0,0070
143	129	COMB4	Combination	212,227	-37,233	5,426	-0,0249	-0,9734
143	65	COMB4	Combination	-212,227	46,542	3,882	0,0224	0,0022
143	129	COMB5	Combination	204,657	-37,233	5,430	-0,0262	-0,9734
143	65	COMB5	Combination	-204,657	46,542	3,879	0,0237	-0,0013
143	129	COMB6	Combination	485,488	-37,233	5,420	-0,0259	-0,9735
143	65	COMB6	Combination	-485,860	46,542	3,888	0,0234	-0,0071
143	129	COMB8	Combination	216,044	-40,212	5,864	-0,0283	-1,0513
143	65	COMB8	Combination	-216,416	50,265	4,189	0,0255	-8,470E-04
143	129	COMB8bis	Combination	269,191	-34,255	4,992	-0,0241	-0,8956
143	65	COMB8bis	Combination	-269,563	42,818	3,572	0,0218	-0,0021

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

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
1	1	COMB1	-1,9717	1
1	2	COMB1	1,4648	1
1	1	COMB2	-1,9717	1
1	2	COMB2	1,4648	1
1	1	COMB4	-1,9717	1
1	2	COMB4	1,4648	1
1	1	COMB5	-1,9717	1
1	2	COMB5	1,4648	1
1	1	COMB6	-1,9717	1
1	2	COMB6	1,4648	1
1	1	COMB8	-2,1294	1
1	2	COMB8	1,5820	1
1	1	COMB8bis	-1,8139	1
1	2	COMB8bis	1,3477	1
2	2	COMB1	-1,4292	2
2	3	COMB1	0,8281	2
2	2	COMB2	-1,4292	2
2	3	COMB2	0,8281	2
2	2	COMB4	-1,4292	2
2	3	COMB4	0,8281	2
2	2	COMB5	-1,4292	2
2	3	COMB5	0,8281	2
2	2	COMB6	-1,4292	2
2	3	COMB6	0,8281	2
2	2	COMB8	-1,5435	2
2	3	COMB8	0,8944	2
2	2	COMB8bis	-1,3149	2
2	3	COMB8bis	0,7619	2
3	3	COMB1	-0,8564	3
3	4	COMB1	0,4609	3
3	3	COMB2	-0,8564	3
3	4	COMB2	0,4609	3
3	3	COMB4	-0,8564	3

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
3	4	COMB4	0,4609	3
3	3	COMB5	-0,8564	3
3	4	COMB5	0,4609	3
3	3	COMB6	-0,8564	3
3	4	COMB6	0,4609	3
3	3	COMB8	-0,9250	3
3	4	COMB8	0,4978	3
3	3	COMB8bis	-0,7879	3
3	4	COMB8bis	0,4241	3
4	4	COMB1	-0,3633	4
4	5	COMB1	0,0898	4
4	4	COMB2	-0,3633	4
4	5	COMB2	0,0898	4
4	4	COMB4	-0,3633	4
4	5	COMB4	0,0898	4
4	4	COMB5	-0,3633	4
4	5	COMB5	0,0898	4
4	4	COMB6	-0,3633	4
4	5	COMB6	0,0898	4
4	4	COMB8	-0,3923	4
4	5	COMB8	0,0970	4
4	4	COMB8bis	-0,3342	4
4	5	COMB8bis	0,0827	4
5	5	COMB1	-0,0767	5
5	6	COMB1	-0,2383	5
5	5	COMB2	-0,0767	5
5	6	COMB2	-0,2383	5
5	5	COMB4	-0,0767	5
5	6	COMB4	-0,2383	5
5	5	COMB5	-0,0767	5
5	6	COMB5	-0,2383	5
5	5	COMB6	-0,0767	5
5	6	COMB6	-0,2383	5
5	5	COMB8	-0,0828	5
5	6	COMB8	-0,2573	5
5	5	COMB8bis	-0,0705	5
5	6	COMB8bis	-0,2192	5
6	6	COMB1	0,2764	6
6	7	COMB1	-0,4531	6
6	6	COMB2	0,2764	6
6	7	COMB2	-0,4531	6
6	6	COMB4	0,2764	6
6	7	COMB4	-0,4531	6
6	6	COMB5	0,2764	6
6	7	COMB5	-0,4531	6
6	6	COMB6	0,2764	6
6	7	COMB6	-0,4531	6
6	6	COMB8	0,2985	6
6	7	COMB8	-0,4894	6
6	6	COMB8bis	0,2543	6
6	7	COMB8bis	-0,4169	6
7	7	COMB1	0,4570	7
7	8	COMB1	-0,5664	7
7	7	COMB2	0,4570	7
7	8	COMB2	-0,5664	7

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
7	7	COMB4	0,4570	7
7	8	COMB4	-0,5664	7
7	7	COMB5	0,4570	7
7	8	COMB5	-0,5664	7
7	7	COMB6	0,4570	7
7	8	COMB6	-0,5664	7
7	7	COMB8	0,4936	7
7	8	COMB8	-0,6117	7
7	7	COMB8bis	0,4205	7
7	8	COMB8bis	-0,5211	7
8	8	COMB1	0,5737	8
8	9	COMB1	-0,6797	8
8	8	COMB2	0,5737	8
8	9	COMB2	-0,6797	8
8	8	COMB4	0,5737	8
8	9	COMB4	-0,6797	8
8	8	COMB5	0,5737	8
8	9	COMB5	-0,6797	8
8	8	COMB6	0,5737	8
8	9	COMB6	-0,6797	8
8	8	COMB8	0,6196	8
8	9	COMB8	-0,7341	8
8	8	COMB8bis	0,5278	8
8	9	COMB8bis	-0,6253	8
9	9	COMB1	0,6685	9
9	10	COMB1	-0,7617	9
9	9	COMB2	0,6685	9
9	10	COMB2	-0,7617	9
9	9	COMB4	0,6685	9
9	10	COMB4	-0,7617	9
9	9	COMB5	0,6685	9
9	10	COMB5	-0,7617	9
9	9	COMB6	0,6685	9
9	10	COMB6	-0,7617	9
9	9	COMB8	0,7219	9
9	10	COMB8	-0,8227	9
9	9	COMB8bis	0,6150	9
9	10	COMB8bis	-0,7008	9
10	10	COMB1	0,7969	10
10	11	COMB1	-0,9141	10
10	10	COMB2	0,7969	10
10	11	COMB2	-0,9141	10
10	10	COMB4	0,7969	10
10	11	COMB4	-0,9141	10
10	10	COMB5	0,7969	10
10	11	COMB5	-0,9141	10
10	10	COMB6	0,7969	10
10	11	COMB6	-0,9141	10
10	10	COMB8	0,8606	10
10	11	COMB8	-0,9872	10
10	10	COMB8bis	0,7331	10
10	11	COMB8bis	-0,8409	10
11	11	COMB1	0,9209	11
11	12	COMB1	-1,0625	11
11	11	COMB2	0,9209	11

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
11	12	COMB2	-1,0625	11
11	11	COMB4	0,9209	11
11	12	COMB4	-1,0625	11
11	11	COMB5	0,9209	11
11	12	COMB5	-1,0625	11
11	11	COMB6	0,9209	11
11	12	COMB6	-1,0625	11
11	11	COMB8	0,9946	11
11	12	COMB8	-1,1475	11
11	11	COMB8bis	0,8472	11
11	12	COMB8bis	-0,9775	11
12	12	COMB1	1,0488	12
12	13	COMB1	-1,2031	12
12	12	COMB2	1,0488	12
12	13	COMB2	-1,2031	12
12	12	COMB4	1,0488	12
12	13	COMB4	-1,2031	12
12	12	COMB5	1,0488	12
12	13	COMB5	-1,2031	12
12	12	COMB6	1,0488	12
12	13	COMB6	-1,2031	12
12	12	COMB8	1,1327	12
12	13	COMB8	-1,2994	12
12	12	COMB8bis	0,9649	12
12	13	COMB8bis	-1,1069	12
13	13	COMB1	1,0469	13
13	14	COMB1	-0,1836	13
13	13	COMB2	1,0469	13
13	14	COMB2	-0,1836	13
13	13	COMB4	1,0469	13
13	14	COMB4	-0,1836	13
13	13	COMB5	1,0469	13
13	14	COMB5	-0,1836	13
13	13	COMB6	1,0469	13
13	14	COMB6	-0,1836	13
13	13	COMB8	1,1306	13
13	14	COMB8	-0,1983	13
13	13	COMB8bis	0,9631	13
13	14	COMB8bis	-0,1689	13
14	14	COMB1	-0,0186	14
14	14	COMB2	0,8633	14
14	14	COMB2	-0,0186	14
14	15	COMB2	0,8633	14
14	14	COMB4	-0,0186	14
14	15	COMB4	0,8633	14
14	14	COMB5	-0,0186	14
14	15	COMB5	0,8633	14
14	14	COMB6	-0,0186	14
14	15	COMB6	0,8633	14
14	14	COMB8	-0,0200	14
14	15	COMB8	0,9323	14
14	14	COMB8bis	-0,0171	14
14	15	COMB8bis	0,7942	14
15	15	COMB1	-1,1143	15
15	16	COMB1	1,4141	15

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
15	15	COMB2	-1,1143	15
15	16	COMB2	1,4141	15
15	15	COMB4	-1,1143	15
15	16	COMB4	1,4141	15
15	15	COMB5	-1,1143	15
15	16	COMB5	1,4141	15
15	15	COMB6	-1,1143	15
15	16	COMB6	1,4141	15
15	15	COMB8	-1,2034	15
15	16	COMB8	1,5272	15
15	15	COMB8bis	-1,0251	15
15	16	COMB8bis	1,3009	15
16	16	COMB1	-1,2793	16
16	17	COMB1	1,8633	16
16	16	COMB2	-1,2793	16
16	17	COMB2	1,8633	16
16	16	COMB4	-1,2793	16
16	17	COMB4	1,8633	16
16	16	COMB5	-1,2793	16
16	17	COMB5	1,8633	16
16	16	COMB6	-1,2793	16
16	17	COMB6	1,8633	16
16	16	COMB8	-1,3816	16
16	17	COMB8	2,0123	16
16	16	COMB8bis	-1,1770	16
16	17	COMB8bis	1,7142	16
17	17	COMB1	-2,2109	17
17	18	COMB1	1,8789	17
17	17	COMB2	-2,2109	17
17	18	COMB2	1,8789	17
17	17	COMB4	-2,2109	17
17	18	COMB4	1,8789	17
17	17	COMB5	-2,2109	17
17	18	COMB5	1,8789	17
17	17	COMB6	-2,2109	17
17	18	COMB6	1,8789	17
17	17	COMB8	-2,3878	17
17	18	COMB8	2,0292	17
17	17	COMB8bis	-2,0341	17
17	18	COMB8bis	1,7286	17
18	18	COMB1	-1,8535	18
18	19	COMB1	1,7461	18
18	18	COMB2	-1,8535	18
18	19	COMB2	1,7461	18
18	18	COMB4	-1,8535	18
18	19	COMB4	1,7461	18
18	18	COMB5	-1,8535	18
18	19	COMB5	1,7461	18
18	18	COMB6	-1,8535	18
18	19	COMB6	1,7461	18
18	18	COMB8	-2,0018	18
18	19	COMB8	1,8858	18
18	18	COMB8bis	-1,7052	18
18	19	COMB8bis	1,6064	18
19	19	COMB1	-1,6211	19

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
19	20	COMB1	1,0508	19
19	19	COMB2	-1,6211	19
19	20	COMB2	1,0508	19
19	19	COMB4	-1,6211	19
19	20	COMB4	1,0508	19
19	19	COMB5	-1,6211	19
19	20	COMB5	1,0508	19
19	19	COMB6	-1,6211	19
19	20	COMB6	1,0508	19
19	19	COMB8	-1,7508	19
19	20	COMB8	1,1348	19
19	19	COMB8bis	-1,4914	19
19	20	COMB8bis	0,9667	19
20	20	COMB1	-1,4238	20
20	21	COMB1	0,7656	20
20	20	COMB2	-1,4238	20
20	21	COMB2	0,7656	20
20	20	COMB4	-1,4238	20
20	21	COMB4	0,7656	20
20	20	COMB5	-1,4238	20
20	21	COMB5	0,7656	20
20	20	COMB6	-1,4238	20
20	21	COMB6	0,7656	20
20	20	COMB8	-1,5377	20
20	21	COMB8	0,8269	20
20	20	COMB8bis	-1,3099	20
20	21	COMB8bis	0,7044	20
21	21	COMB1	-0,7188	21
21	22	COMB1	0,8008	21
21	21	COMB2	-0,7188	21
21	22	COMB2	0,8008	21
21	21	COMB4	-0,7188	21
21	22	COMB4	0,8008	21
21	21	COMB5	-0,7188	21
21	22	COMB5	0,8008	21
21	21	COMB6	-0,7188	21
21	22	COMB6	0,8008	21
21	21	COMB8	-0,7763	21
21	22	COMB8	0,8648	21
21	21	COMB8bis	-0,6613	21
21	22	COMB8bis	0,7367	21
22	22	COMB1	-0,7783	22
22	23	COMB1	0,0391	22
22	22	COMB2	-0,7783	22
22	23	COMB2	0,0391	22
22	22	COMB4	-0,7783	22
22	23	COMB4	0,0391	22
22	22	COMB5	-0,7783	22
22	23	COMB5	0,0391	22
22	22	COMB6	-0,7783	22
22	23	COMB6	0,0391	22
22	22	COMB8	-0,8406	22
22	23	COMB8	0,0422	22
22	22	COMB8bis	-0,7161	22
22	23	COMB8bis	0,0359	22

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
23	23	COMB1	-0,0449	23
23	24	COMB1	-0,5273	23
23	23	COMB2	-0,0449	23
23	24	COMB2	-0,5273	23
23	23	COMB4	-0,0449	23
23	24	COMB4	-0,5273	23
23	23	COMB5	-0,0449	23
23	24	COMB5	-0,5273	23
23	23	COMB6	-0,0449	23
23	24	COMB6	-0,5273	23
23	23	COMB8	-0,0485	23
23	24	COMB8	-0,5695	23
23	23	COMB8bis	-0,0413	23
23	24	COMB8bis	-0,4852	23
24	24	COMB1	0,3398	24
24	25	COMB1	-1,4180	24
24	24	COMB2	0,3398	24
24	25	COMB2	-1,4180	24
24	24	COMB4	0,3398	24
24	25	COMB4	-1,4180	24
24	24	COMB5	0,3398	24
24	25	COMB5	-1,4180	24
24	24	COMB6	0,3398	24
24	25	COMB6	-1,4180	24
24	24	COMB8	0,3670	24
24	25	COMB8	-1,5314	24
24	24	COMB8bis	0,3127	24
24	25	COMB8bis	-1,3045	24
25	25	COMB1	1,5225	25
25	26	COMB1	-1,2891	25
25	25	COMB2	1,5225	25
25	26	COMB2	-1,2891	25
25	25	COMB4	1,5225	25
25	26	COMB4	-1,2891	25
25	25	COMB5	1,5225	25
25	26	COMB5	-1,2891	25
25	25	COMB6	1,5225	25
25	26	COMB6	-1,2891	25
25	25	COMB8	1,6443	25
25	26	COMB8	-1,3922	25
25	25	COMB8bis	1,4007	25
25	26	COMB8bis	-1,1859	25
26	26	COMB1	1,3047	26
26	27	COMB1	-1,1133	26
26	26	COMB2	1,3047	26
26	27	COMB2	-1,1133	26
26	26	COMB4	1,3047	26
26	27	COMB4	-1,1133	26
26	26	COMB5	1,3047	26
26	27	COMB5	-1,1133	26
26	26	COMB6	1,3047	26
26	27	COMB6	-1,1133	26
26	26	COMB8	1,4091	26
26	27	COMB8	-1,2023	26
26	26	COMB8bis	1,2003	26

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
26	27	COMB8bis	-1,0242	26
27	27	COMB1	1,0967	27
27	28	COMB1	-0,9141	27
27	27	COMB2	1,0967	27
27	28	COMB2	-0,9141	27
27	27	COMB4	1,0967	27
27	28	COMB4	-0,9141	27
27	27	COMB5	1,0967	27
27	28	COMB5	-0,9141	27
27	27	COMB6	1,0967	27
27	28	COMB6	-0,9141	27
27	27	COMB8	1,1844	27
27	28	COMB8	-0,9872	27
27	27	COMB8bis	1,0089	27
27	28	COMB8bis	-0,8409	27
28	28	COMB1	0,9458	28
28	29	COMB1	-0,7188	28
28	28	COMB2	0,9458	28
28	29	COMB2	-0,7188	28
28	28	COMB4	0,9458	28
28	29	COMB4	-0,7188	28
28	28	COMB5	0,9458	28
28	29	COMB5	-0,7188	28
28	28	COMB6	0,9458	28
28	29	COMB6	-0,7188	28
28	28	COMB8	1,0215	28
28	29	COMB8	-0,7763	28
28	28	COMB8bis	0,8701	28
28	29	COMB8bis	-0,6613	28
29	29	COMB1	0,7065	29
29	30	COMB1	-0,5156	29
29	29	COMB2	0,7065	29
29	30	COMB2	-0,5156	29
29	29	COMB4	0,7065	29
29	30	COMB4	-0,5156	29
29	29	COMB5	0,7065	29
29	30	COMB5	-0,5156	29
29	29	COMB6	0,7065	29
29	30	COMB6	-0,5156	29
29	29	COMB8	0,7631	29
29	30	COMB8	-0,5569	29
29	29	COMB8bis	0,6500	29
29	30	COMB8bis	-0,4744	29
30	30	COMB1	0,5005	30
30	31	COMB1	-0,2422	30
30	30	COMB2	0,5005	30
30	31	COMB2	-0,2422	30
30	30	COMB4	0,5005	30
30	31	COMB4	-0,2422	30
30	30	COMB5	0,5005	30
30	31	COMB5	-0,2422	30
30	30	COMB6	0,5005	30
30	31	COMB6	-0,2422	30
30	30	COMB8	0,5405	30
30	31	COMB8	-0,2616	30

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
30	30	COMB8bis	0,4604	30
30	31	COMB8bis	-0,2228	30
31	31	COMB1	0,2598	31
31	32	COMB1	-0,0078	31
31	31	COMB2	0,2598	31
31	32	COMB2	-0,0078	31
31	31	COMB4	0,2598	31
31	32	COMB4	-0,0078	31
31	31	COMB5	0,2598	31
31	32	COMB5	-0,0078	31
31	31	COMB6	0,2598	31
31	32	COMB6	-0,0078	31
31	31	COMB8	0,2805	31
31	32	COMB8	-0,0084	31
31	31	COMB8bis	0,2390	31
31	32	COMB8bis	-0,0072	31
32	32	COMB1	0,1113	32
32	33	COMB1	0,2734	32
32	32	COMB2	0,1113	32
32	33	COMB2	0,2734	32
32	32	COMB4	0,1113	32
32	33	COMB4	0,2734	32
32	32	COMB5	0,1113	32
32	33	COMB5	0,2734	32
32	32	COMB6	0,1113	32
32	33	COMB6	0,2734	32
32	32	COMB8	0,1202	32
32	33	COMB8	0,2953	32
32	32	COMB8bis	0,1024	32
32	33	COMB8bis	0,2516	32
33	33	COMB1	-0,2710	33
33	34	COMB1	0,5664	33
33	33	COMB2	-0,2710	33
33	34	COMB2	0,5664	33
33	33	COMB4	-0,2710	33
33	34	COMB4	0,5664	33
33	33	COMB5	-0,2710	33
33	34	COMB5	0,5664	33
33	33	COMB6	-0,2710	33
33	34	COMB6	0,5664	33
33	33	COMB8	-0,2927	33
33	34	COMB8	0,6117	33
33	33	COMB8bis	-0,2493	33
33	34	COMB8bis	0,5211	33
34	34	COMB1	-0,6440	34
34	35	COMB1	0,8242	34
34	34	COMB2	-0,6440	34
34	35	COMB2	0,8242	34
34	34	COMB4	-0,6440	34
34	35	COMB4	0,8242	34
34	34	COMB5	-0,6440	34
34	35	COMB5	0,8242	34
34	34	COMB6	-0,6440	34
34	35	COMB6	0,8242	34
34	34	COMB8	-0,6956	34

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
34	35	COMB8	0,8902	34
34	34	COMB8bis	-0,5925	34
34	35	COMB8bis	0,7583	34
35	35	COMB1	-0,8540	35
35	36	COMB1	1,0586	35
35	35	COMB2	-0,8540	35
35	36	COMB2	1,0586	35
35	35	COMB4	-0,8540	35
35	36	COMB4	1,0586	35
35	35	COMB5	-0,8540	35
35	36	COMB5	1,0586	35
35	35	COMB6	-0,8540	35
35	36	COMB6	1,0586	35
35	35	COMB8	-0,9223	35
35	36	COMB8	1,1433	35
35	35	COMB8bis	-0,7857	35
35	36	COMB8bis	0,9739	35
36	36	COMB1	-1,0737	36
36	37	COMB1	1,1758	36
36	36	COMB2	-1,0737	36
36	37	COMB2	1,1758	36
36	36	COMB4	-1,0737	36
36	37	COMB4	1,1758	36
36	36	COMB5	-1,0737	36
36	37	COMB5	1,1758	36
36	36	COMB6	-1,0737	36
36	37	COMB6	1,1758	36
36	36	COMB8	-1,1596	36
36	37	COMB8	1,2698	36
36	36	COMB8bis	-0,9878	36
36	37	COMB8bis	1,0817	36
37	37	COMB1	-1,1807	37
37	38	COMB1	0,8711	37
37	37	COMB2	-1,1807	37
37	38	COMB2	0,8711	37
37	37	COMB4	-1,1807	37
37	38	COMB4	0,8711	37
37	37	COMB5	-1,1807	37
37	38	COMB5	0,8711	37
37	37	COMB6	-1,1807	37
37	38	COMB6	0,8711	37
37	37	COMB8	-1,2751	37
37	38	COMB8	0,9408	37
37	37	COMB8bis	-1,0862	37
37	38	COMB8bis	0,8014	37
38	38	COMB1	-0,9756	38
38	39	COMB1	1,0469	38
38	38	COMB2	-0,9756	38
38	39	COMB2	1,0469	38
38	38	COMB4	-0,9756	38
38	39	COMB4	1,0469	38
38	38	COMB5	-0,9756	38
38	39	COMB5	1,0469	38
38	38	COMB6	-0,9756	38
38	39	COMB6	1,0469	38

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
38	38	COMB8	-1,0536	38
38	39	COMB8	1,1306	38
38	38	COMB8bis	-0,8975	38
38	39	COMB8bis	0,9631	38
39	39	COMB1	-1,1328	39
39	40	COMB1	0,7773	39
39	39	COMB2	-1,1328	39
39	40	COMB2	0,7773	39
39	39	COMB4	-1,1328	39
39	40	COMB4	0,7773	39
39	39	COMB5	-1,1328	39
39	40	COMB5	0,7773	39
39	39	COMB6	-1,1328	39
39	40	COMB6	0,7773	39
39	39	COMB8	-1,2234	39
39	40	COMB8	0,8395	39
39	39	COMB8bis	-1,0422	39
39	40	COMB8bis	0,7152	39
40	40	COMB1	-0,7813	40
40	41	COMB1	0,4297	40
40	40	COMB2	-0,7813	40
40	41	COMB2	0,4297	40
40	40	COMB4	-0,7813	40
40	41	COMB4	0,4297	40
40	40	COMB5	-0,7813	40
40	41	COMB5	0,4297	40
40	40	COMB6	-0,7813	40
40	41	COMB6	0,4297	40
40	40	COMB8	-0,8438	40
40	41	COMB8	0,4641	40
40	40	COMB8bis	-0,7188	40
40	41	COMB8bis	0,3953	40
41	41	COMB1	-0,2432	41
41	42	COMB1	-0,8945	41
41	41	COMB2	-0,2432	41
41	42	COMB2	-0,8945	41
41	41	COMB4	-0,2432	41
41	42	COMB4	-0,8945	41
41	41	COMB5	-0,2432	41
41	42	COMB5	-0,8945	41
41	41	COMB6	-0,2432	41
41	42	COMB6	-0,8945	41
41	41	COMB8	-0,2626	41
41	42	COMB8	-0,9661	41
41	41	COMB8bis	-0,2237	41
41	42	COMB8bis	-0,8230	41
42	42	COMB1	0,5576	42
42	43	COMB1	-2,0469	42
42	42	COMB2	0,5576	42
42	43	COMB2	-2,0469	42
42	42	COMB4	0,5576	42
42	43	COMB4	-2,0469	42
42	42	COMB5	0,5576	42
42	43	COMB5	-2,0469	42
42	42	COMB6	0,5576	42

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
42	43	COMB6	-2,0469	42
42	42	COMB8	0,6022	42
42	43	COMB8	-2,2106	42
42	42	COMB8bis	0,5130	42
42	43	COMB8bis	-1,8831	42
43	43	COMB1	1,8926	43
43	44	COMB1	-2,9961	43
43	43	COMB2	1,8926	43
43	44	COMB2	-2,9961	43
43	43	COMB4	1,8926	43
43	44	COMB4	-2,9961	43
43	43	COMB5	1,8926	43
43	44	COMB5	-2,9961	43
43	43	COMB6	1,8926	43
43	44	COMB6	-2,9961	43
43	43	COMB8	2,0440	43
43	44	COMB8	-3,2358	43
43	43	COMB8bis	1,7412	43
43	44	COMB8bis	-2,7564	43
44	44	COMB1	2,2900	44
44	45	COMB1	-2,1602	44
44	44	COMB2	2,2900	44
44	45	COMB2	-2,1602	44
44	44	COMB4	2,2900	44
44	45	COMB4	-2,1602	44
44	44	COMB5	2,2900	44
44	45	COMB5	-2,1602	44
44	44	COMB6	2,2900	44
44	45	COMB6	-2,1602	44
44	44	COMB8	2,4732	44
44	45	COMB8	-2,3330	44
44	44	COMB8bis	2,1068	44
44	45	COMB8bis	-1,9873	44
45	45	COMB1	2,1689	45
45	46	COMB1	-1,7305	45
45	45	COMB2	2,1689	45
45	46	COMB2	-1,7305	45
45	45	COMB4	2,1689	45
45	46	COMB4	-1,7305	45
45	45	COMB5	2,1689	45
45	46	COMB5	-1,7305	45
45	45	COMB6	2,1689	45
45	46	COMB6	-1,7305	45
45	45	COMB8	2,3425	45
45	46	COMB8	-1,8689	45
45	45	COMB8bis	1,9954	45
45	46	COMB8bis	-1,5920	45
46	46	COMB1	1,7031	46
46	47	COMB1	-0,7148	46
46	46	COMB2	1,7031	46
46	47	COMB2	-0,7148	46
46	46	COMB4	1,7031	46
46	47	COMB4	-0,7148	46
46	46	COMB5	1,7031	46
46	47	COMB5	-0,7148	46

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
46	46	COMB6	1,7031	46
46	47	COMB6	-0,7148	46
46	46	COMB8	1,8394	46
46	47	COMB8	-0,7720	46
46	46	COMB8bis	1,5669	46
46	47	COMB8bis	-0,6577	46
47	47	COMB1	0,7432	47
47	48	COMB1	0,8789	47
47	47	COMB2	0,7432	47
47	48	COMB2	0,8789	47
47	47	COMB4	0,7432	47
47	48	COMB4	0,8789	47
47	47	COMB5	0,7432	47
47	48	COMB5	0,8789	47
47	47	COMB6	0,7432	47
47	48	COMB6	0,8789	47
47	47	COMB8	0,8026	47
47	48	COMB8	0,9492	47
47	47	COMB8bis	0,6837	47
47	48	COMB8bis	0,8086	47
48	48	COMB1	-0,9424	48
48	1	COMB1	1,8125	48
48	48	COMB2	-0,9424	48
48	1	COMB2	1,8125	48
48	48	COMB4	-0,9424	48
48	1	COMB4	1,8125	48
48	48	COMB5	-0,9424	48
48	1	COMB5	1,8125	48
48	48	COMB6	-0,9424	48
48	1	COMB6	1,8125	48
48	48	COMB8	-1,0178	48
48	1	COMB8	1,9575	48
48	48	COMB8bis	-0,8670	48
48	1	COMB8bis	1,6675	48
49	44	COMB1	0,9946	49
49	49	COMB1	-0,8359	49
49	44	COMB2	0,9946	49
49	49	COMB2	-0,8359	49
49	44	COMB4	0,9946	49
49	49	COMB4	-0,8359	49
49	44	COMB5	0,9946	49
49	49	COMB5	-0,8359	49
49	44	COMB6	0,9946	49
49	49	COMB6	-0,8359	49
49	44	COMB8	1,0742	49
49	49	COMB8	-0,9028	49
49	44	COMB8bis	0,9151	49
49	49	COMB8bis	-0,7691	49
50	49	COMB1	0,8271	50
50	50	COMB1	-0,5781	50
50	49	COMB2	0,8271	50
50	50	COMB2	-0,5781	50
50	49	COMB4	0,8271	50
50	50	COMB4	-0,5781	50
50	49	COMB5	0,8271	50

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
50	50	COMB5	-0,5781	50
50	49	COMB6	0,8271	50
50	50	COMB6	-0,5781	50
50	49	COMB8	0,8933	50
50	50	COMB8	-0,6244	50
50	49	COMB8bis	0,7610	50
50	50	COMB8bis	-0,5319	50
51	50	COMB1	0,6035	51
51	51	COMB1	-0,2852	51
51	50	COMB2	0,6035	51
51	51	COMB2	-0,2852	51
51	50	COMB4	0,6035	51
51	51	COMB4	-0,2852	51
51	50	COMB5	0,6035	51
51	51	COMB5	-0,2852	51
51	50	COMB6	0,6035	51
51	51	COMB6	-0,2852	51
51	50	COMB8	0,6518	51
51	51	COMB8	-0,3080	51
51	50	COMB8bis	0,5552	51
51	51	COMB8bis	-0,2623	51
52	51	COMB1	0,2822	52
52	52	COMB1	-0,0430	52
52	51	COMB2	0,2822	52
52	52	COMB2	-0,0430	52
52	51	COMB4	0,2822	52
52	52	COMB4	-0,0430	52
52	51	COMB5	0,2822	52
52	52	COMB5	-0,0430	52
52	51	COMB6	0,2822	52
52	52	COMB6	-0,0430	52
52	51	COMB8	0,3048	52
52	52	COMB8	-0,0464	52
52	51	COMB8bis	0,2596	52
52	52	COMB8bis	-0,0395	52
53	52	COMB1	0,0479	53
53	53	COMB1	0,1875	53
53	52	COMB2	0,0479	53
53	53	COMB2	0,1875	53
53	52	COMB4	0,0479	53
53	53	COMB4	0,1875	53
53	52	COMB5	0,0479	53
53	53	COMB5	0,1875	53
53	52	COMB6	0,0479	53
53	53	COMB6	0,1875	53
53	52	COMB8	0,0517	53
53	53	COMB8	0,2025	53
53	52	COMB8bis	0,0440	53
53	53	COMB8bis	0,1725	53
54	53	COMB1	-0,2437	54
54	54	COMB1	0,3555	54
54	53	COMB2	-0,2437	54
54	54	COMB2	0,3555	54
54	53	COMB4	-0,2437	54
54	54	COMB4	0,3555	54

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
54	53	COMB5	-0,2437	54
54	54	COMB5	0,3555	54
54	53	COMB6	-0,2437	54
54	54	COMB6	0,3555	54
54	53	COMB8	-0,2631	54
54	54	COMB8	0,3839	54
54	53	COMB8bis	-0,2242	54
54	54	COMB8bis	0,3270	54
55	54	COMB1	-0,3359	55
55	55	COMB1	0,4727	55
55	54	COMB2	-0,3359	55
55	55	COMB2	0,4727	55
55	54	COMB4	-0,3359	55
55	55	COMB4	0,4727	55
55	54	COMB5	-0,3359	55
55	55	COMB5	0,4727	55
55	54	COMB6	-0,3359	55
55	55	COMB6	0,4727	55
55	54	COMB8	-0,3628	55
55	55	COMB8	0,5105	55
55	54	COMB8bis	-0,3091	55
55	55	COMB8bis	0,4348	55
56	55	COMB1	-0,4175	56
56	56	COMB1	0,3281	56
56	55	COMB2	-0,4175	56
56	56	COMB2	0,3281	56
56	55	COMB4	-0,4175	56
56	56	COMB4	0,3281	56
56	55	COMB5	-0,4175	56
56	56	COMB5	0,3281	56
56	55	COMB6	-0,4175	56
56	56	COMB6	0,3281	56
56	55	COMB8	-0,4509	56
56	56	COMB8	0,3544	56
56	55	COMB8bis	-0,3841	56
56	56	COMB8bis	0,3019	56
57	56	COMB1	-0,3330	57
57	57	COMB1	0,2266	57
57	56	COMB2	-0,3330	57
57	57	COMB2	0,2266	57
57	56	COMB4	-0,3330	57
57	57	COMB4	0,2266	57
57	56	COMB5	-0,3330	57
57	57	COMB5	0,2266	57
57	56	COMB6	-0,3330	57
57	57	COMB6	0,2266	57
57	56	COMB8	-0,3596	57
57	57	COMB8	0,2447	57
57	56	COMB8bis	-0,3064	57
57	57	COMB8bis	0,2084	57
58	57	COMB1	-0,2070	58
58	58	COMB1	0,0469	58
58	57	COMB2	-0,2070	58
58	58	COMB2	0,0469	58
58	57	COMB4	-0,2070	58

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
58	58	COMB4	0,0469	58
58	57	COMB5	-0,2070	58
58	58	COMB5	0,0469	58
58	57	COMB6	-0,2070	58
58	58	COMB6	0,0469	58
58	57	COMB8	-0,2236	58
58	58	COMB8	0,0506	58
58	57	COMB8bis	-0,1905	58
58	58	COMB8bis	0,0431	58
59	58	COMB1	-0,0610	59
59	59	COMB1	-0,0898	59
59	58	COMB2	-0,0610	59
59	59	COMB2	-0,0898	59
59	58	COMB4	-0,0610	59
59	59	COMB4	-0,0898	59
59	58	COMB5	-0,0610	59
59	59	COMB5	-0,0898	59
59	58	COMB6	-0,0610	59
59	59	COMB6	-0,0898	59
59	58	COMB8	-0,0659	59
59	59	COMB8	-0,0970	59
59	58	COMB8bis	-0,0562	59
59	59	COMB8bis	-0,0827	59
60	59	COMB1	0,0859	60
60	18	COMB1	-0,1367	60
60	59	COMB2	0,0859	60
60	18	COMB2	-0,1367	60
60	59	COMB4	0,0859	60
60	18	COMB4	-0,1367	60
60	59	COMB5	0,0859	60
60	18	COMB5	-0,1367	60
60	59	COMB6	0,0859	60
60	18	COMB6	-0,1367	60
60	59	COMB8	0,0928	60
60	18	COMB8	-0,1477	60
60	59	COMB8bis	0,0791	60
60	18	COMB8bis	-0,1258	60
94	60	COMB1	-374,7650	61
94	87	COMB1	197,3134	61
94	60	COMB2	-255,6009	61
94	87	COMB2	109,2685	61
94	60	COMB4	-1113,5410	61
94	87	COMB4	717,9909	61
94	60	COMB5	-994,3769	61
94	87	COMB5	629,9460	61
94	60	COMB6	-260,4689	61
94	87	COMB6	111,5789	61
94	60	COMB8	-1076,5555	61
94	87	COMB8	686,2624	61
94	60	COMB8bis	-921,9343	61
94	87	COMB8bis	578,2504	61
95	87	COMB1	-197,3134	62
95	88	COMB1	91,9823	62
95	87	COMB2	-109,2685	62
95	88	COMB2	35,0568	62

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
95	87	COMB4	-717,9909	62
95	88	COMB4	394,5613	62
95	87	COMB5	-629,9460	62
95	88	COMB5	337,6358	62
95	87	COMB6	-111,5789	62
95	88	COMB6	38,9600	62
95	87	COMB8	-686,2624	62
95	88	COMB8	372,2404	62
95	87	COMB8bis	-578,2504	62
95	88	COMB8bis	310,8376	62
96	88	COMB1	-91,9823	63
96	89	COMB1	66,9741	63
96	88	COMB2	-35,0568	63
96	89	COMB2	41,1679	63
96	88	COMB4	-394,5613	63
96	89	COMB4	151,4547	63
96	88	COMB5	-337,6358	63
96	89	COMB5	125,6484	63
96	88	COMB6	-38,9600	63
96	89	COMB6	51,1425	63
96	88	COMB8	-372,2404	63
96	89	COMB8	143,0198	63
96	88	COMB8bis	-310,8376	63
96	89	COMB8bis	128,2263	63
97	89	COMB1	-66,9741	64
97	64	COMB1	130,4933	64
97	89	COMB2	-41,1679	64
97	64	COMB2	135,8063	64
97	89	COMB4	-151,4547	64
97	64	COMB4	-3,1247	64
97	89	COMB5	-125,6484	64
97	64	COMB5	2,1884	64
97	89	COMB6	-51,1425	64
97	64	COMB6	156,6591	64
97	89	COMB8	-143,0198	64
97	64	COMB8	7,1332	64
97	89	COMB8bis	-128,2263	64
97	64	COMB8bis	38,9489	64
98	64	COMB1	-152,8267	65
98	90	COMB1	-153,7124	65
98	64	COMB2	-158,1397	65
98	90	COMB2	-112,6298	65
98	64	COMB4	-19,2087	65
98	90	COMB4	-237,5774	65
98	64	COMB5	-24,5218	65
98	90	COMB5	-196,4948	65
98	64	COMB6	-178,9925	65
98	90	COMB6	-112,0840	65
98	64	COMB8	-31,2533	65
98	90	COMB8	-204,1228	65
98	64	COMB8bis	-59,4957	65
98	90	COMB8bis	-187,7753	65
99	90	COMB1	153,7124	66
99	91	COMB1	-340,8203	66
99	90	COMB2	112,6298	66

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
99	91	COMB2	-263,9681	66
99	90	COMB4	237,5774	66
99	91	COMB4	-374,9324	66
99	90	COMB5	196,4948	66
99	91	COMB5	-298,0802	66
99	90	COMB6	112,0840	66
99	91	COMB6	-277,9213	66
99	90	COMB8	204,1228	66
99	91	COMB8	-314,2598	66
99	90	COMB8bis	187,7753	66
99	91	COMB8bis	-309,8070	66
100	91	COMB1	340,8203	67
100	92	COMB1	-396,6434	67
100	91	COMB2	263,9681	67
100	92	COMB2	-284,0216	67
100	91	COMB4	374,9324	67
100	92	COMB4	-381,0026	67
100	91	COMB5	298,0802	67
100	92	COMB5	-268,3807	67
100	91	COMB6	277,9213	67
100	92	COMB6	-306,1917	67
100	91	COMB8	314,2598	67
100	92	COMB8	-286,8297	67
100	91	COMB8bis	309,8070	67
100	92	COMB8bis	-294,2719	67
101	92	COMB1	396,6434	68
101	93	COMB1	-313,1147	68
101	92	COMB2	284,0216	68
101	93	COMB2	-164,7233	68
101	92	COMB4	381,0026	68
101	93	COMB4	-247,7209	68
101	92	COMB5	268,3807	68
101	93	COMB5	-99,3295	68
101	92	COMB6	306,1917	68
101	93	COMB6	-188,5054	68
101	92	COMB8	286,8297	68
101	93	COMB8	-113,4431	68
101	92	COMB8bis	294,2719	68
101	93	COMB8bis	-132,7800	68
102	93	COMB1	313,1147	69
102	94	COMB1	-82,1708	69
102	93	COMB2	164,7233	69
102	94	COMB2	101,9903	69
102	93	COMB4	247,7209	69
102	94	COMB4	32,9759	69
102	93	COMB5	99,3295	69
102	94	COMB5	217,1370	69
102	93	COMB6	188,5054	69
102	94	COMB6	83,5235	69
102	93	COMB8	113,4431	69
102	94	COMB8	214,2861	69
102	93	COMB8bis	132,7800	69
102	94	COMB8bis	183,0543	69
103	94	COMB1	82,1708	70
103	61	COMB1	307,9543	70

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
103	94	COMB2	-101,9903	70
103	61	COMB2	527,8849	70
103	94	COMB4	-32,9759	70
103	61	COMB4	472,8540	70
103	94	COMB5	-217,1370	70
103	61	COMB5	692,7846	70
103	94	COMB6	-83,5235	70
103	61	COMB6	522,1315	70
103	94	COMB8	-214,2861	70
103	61	COMB8	708,5945	70
103	94	COMB8bis	-183,0543	70
103	61	COMB8bis	665,4679	70
104	63	COMB1	128,6928	71
104	95	COMB1	33,1384	71
104	63	COMB2	242,2813	71
104	95	COMB2	-97,0234	71
104	63	COMB4	865,2872	71
104	95	COMB4	-484,0930	71
104	63	COMB5	978,8757	71
104	95	COMB5	-614,2548	71
104	63	COMB6	240,7721	71
104	95	COMB6	-83,8041	71
104	63	COMB8	1054,5223	71
104	95	COMB8	-654,7521	71
104	63	COMB8bis	900,2106	71
104	95	COMB8bis	-547,3189	71
105	95	COMB1	-33,1384	72
105	96	COMB1	92,3410	72
105	95	COMB2	97,0234	72
105	96	COMB2	-26,1786	72
105	95	COMB4	484,0930	72
105	96	COMB4	-206,2977	72
105	95	COMB5	614,2548	72
105	96	COMB5	-324,8173	72
105	95	COMB6	83,8041	72
105	96	COMB6	-9,6647	72
105	95	COMB8	654,7521	72
105	96	COMB8	-338,6512	72
105	95	COMB8bis	547,3189	72
105	96	COMB8bis	-277,9556	72
106	96	COMB1	-92,3410	73
106	97	COMB1	41,2746	73
106	96	COMB2	26,1786	73
106	97	COMB2	-37,6601	73
106	96	COMB4	206,2977	73
106	97	COMB4	-40,3551	73
106	96	COMB5	324,8173	73
106	97	COMB5	-119,2898	73
106	96	COMB6	9,6647	73
106	97	COMB6	-26,8887	73
106	96	COMB8	338,6512	73
106	97	COMB8	-115,6496	73
106	96	COMB8bis	277,9556	73
106	97	COMB8bis	-101,3873	73
107	97	COMB1	-41,2746	74

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
107	65	COMB1	-128,1569	74
107	97	COMB2	37,6601	74
107	65	COMB2	-139,2943	74
107	97	COMB4	40,3551	74
107	65	COMB4	6,2598	74
107	97	COMB5	119,2898	74
107	65	COMB5	-4,8776	74
107	97	COMB6	26,8887	74
107	65	COMB6	-144,0044	74
107	97	COMB8	115,6496	74
107	65	COMB8	6,4101	74
107	97	COMB8bis	101,3873	74
107	65	COMB8bis	-25,5854	74
108	65	COMB1	150,4903	75
108	98	COMB1	49,9073	75
108	65	COMB2	161,6277	75
108	98	COMB2	102,9051	75
108	65	COMB4	16,0736	75
108	98	COMB4	132,7629	75
108	65	COMB5	27,2110	75
108	98	COMB5	185,7608	75
108	65	COMB6	166,3378	75
108	98	COMB6	114,1341	75
108	65	COMB8	17,7100	75
108	98	COMB8	205,1040	75
108	65	COMB8bis	46,1321	75
108	98	COMB8bis	188,8756	75
109	98	COMB1	-49,9073	76
109	99	COMB1	141,5567	76
109	98	COMB2	-102,9051	76
109	99	COMB2	250,0822	76
109	98	COMB4	-132,7629	76
109	99	COMB4	173,1578	76
109	98	COMB5	-185,7608	76
109	99	COMB5	281,6833	76
109	98	COMB6	-114,1341	76
109	99	COMB6	268,1713	76
109	98	COMB8	-205,1040	76
109	99	COMB8	301,8168	76
109	98	COMB8bis	-188,8756	76
109	99	COMB8bis	297,7281	76
110	99	COMB1	-141,5567	77
110	100	COMB1	118,6924	77
110	99	COMB2	-250,0822	77
110	100	COMB2	268,5901	77
110	99	COMB4	-173,1578	77
110	100	COMB4	99,3462	77
110	99	COMB5	-281,6833	77
110	100	COMB5	249,2439	77
110	99	COMB6	-268,1713	77
110	100	COMB6	283,8895	77
110	99	COMB8	-301,8168	77
110	100	COMB8	260,5373	77
110	99	COMB8bis	-297,7281	77
110	100	COMB8bis	268,5494	77

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
111	100	COMB1	-118,6924	78
111	101	COMB1	-24,9268	78
111	100	COMB2	-268,5901	78
111	101	COMB2	150,0453	78
111	100	COMB4	-99,3462	78
111	101	COMB4	-95,0126	78
111	100	COMB5	-249,2439	78
111	101	COMB5	79,9594	78
111	100	COMB6	-283,8895	78
111	101	COMB6	152,2749	78
111	100	COMB8	-260,5373	78
111	101	COMB8	72,1381	78
111	100	COMB8bis	-268,5494	78
111	101	COMB8bis	92,2401	78
112	101	COMB1	24,9268	79
112	102	COMB1	-295,9455	79
112	101	COMB2	-150,0453	79
112	102	COMB2	-114,8512	79
112	101	COMB4	95,0126	79
112	102	COMB4	-416,6016	79
112	101	COMB5	-79,9594	79
112	102	COMB5	-235,5072	79
112	101	COMB6	-152,2749	79
112	102	COMB6	-136,6521	79
112	101	COMB8	-72,1381	79
112	102	COMB8	-273,4001	79
112	101	COMB8bis	-92,2401	79
112	102	COMB8bis	-241,2163	79
113	102	COMB1	295,9455	80
113	62	COMB1	-700,9561	80
113	102	COMB2	114,8512	80
113	62	COMB2	-539,6447	80
113	102	COMB4	416,6016	80
113	62	COMB4	-871,8276	80
113	102	COMB5	235,5072	80
113	62	COMB5	-710,5162	80
113	102	COMB6	136,6521	80
113	62	COMB6	-597,1274	80
113	102	COMB8	273,4001	80
113	62	COMB8	-790,0966	80
113	102	COMB8bis	241,2163	80
113	62	COMB8bis	-745,9011	80
114	61	COMB1	-307,9543	81
114	103	COMB1	72,7593	81
114	61	COMB2	-527,8849	81
114	103	COMB2	276,9687	81
114	61	COMB4	-472,8540	81
114	103	COMB4	-82,3671	81
114	61	COMB5	-692,7846	81
114	103	COMB5	121,8423	81
114	61	COMB6	-522,1315	81
114	103	COMB6	274,8500	81
114	61	COMB8	-708,5945	81
114	103	COMB8	95,7792	81
114	61	COMB8bis	-665,4679	81

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
114	103	COMB8bis	143,6680	81
115	103	COMB1	-72,7593	82
115	104	COMB1	-16,7114	82
115	103	COMB2	-276,9687	82
115	104	COMB2	152,7248	82
115	103	COMB4	82,3671	82
115	104	COMB4	-381,4324	82
115	103	COMB5	-121,8423	82
115	104	COMB5	-211,9963	82
115	103	COMB6	-274,8500	82
115	104	COMB6	156,3802	82
115	103	COMB8	-95,7792	82
115	104	COMB8	-258,8659	82
115	103	COMB8bis	-143,6680	82
115	104	COMB8bis	-157,8157	82
116	104	COMB1	16,7114	83
116	105	COMB1	-62,2319	83
116	104	COMB2	-152,7248	83
116	105	COMB2	64,5833	83
116	104	COMB4	381,4324	83
116	105	COMB4	-575,8789	83
116	104	COMB5	211,9963	83
116	105	COMB5	-449,0637	83
116	104	COMB6	-156,3802	83
116	105	COMB6	74,9237	83
116	104	COMB8	258,8659	83
116	105	COMB8	-508,1421	83
116	104	COMB8bis	157,8157	83
116	105	COMB8bis	-369,3046	83
117	105	COMB1	62,2319	84
117	106	COMB1	-66,5693	84
117	105	COMB2	-64,5833	84
117	106	COMB2	12,4548	84
117	105	COMB4	575,8789	84
117	106	COMB4	-669,0216	84
117	105	COMB5	449,0637	84
117	106	COMB5	-589,9974	84
117	105	COMB6	-74,9237	84
117	106	COMB6	30,1120	84
117	105	COMB8	508,1421	84
117	106	COMB8	-653,0369	84
117	105	COMB8bis	369,3046	84
117	106	COMB8bis	-491,6435	84
118	106	COMB1	66,5693	85
118	107	COMB1	-32,4653	85
118	106	COMB2	-12,4548	85
118	107	COMB2	-3,7689	85
118	106	COMB4	669,0216	85
118	107	COMB4	-663,9646	85
118	106	COMB5	589,9974	85
118	107	COMB5	-635,2681	85
118	106	COMB6	-30,1120	85
118	107	COMB6	21,5546	85
118	106	COMB8	653,0369	85
118	107	COMB8	-694,3499	85

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
118	106	COMB8bis	491,6435	85
118	107	COMB8bis	-525,5392	85
119	107	COMB1	32,4653	86
119	108	COMB1	37,3652	86
119	107	COMB2	3,7689	86
119	108	COMB2	15,8033	86
119	107	COMB4	663,9646	86
119	108	COMB4	-563,5701	86
119	107	COMB5	635,2681	86
119	108	COMB5	-585,1319	86
119	107	COMB6	-21,5546	86
119	108	COMB6	48,8543	86
119	107	COMB8	694,3499	86
119	108	COMB8	-632,6435	86
119	107	COMB8bis	525,5392	86
119	108	COMB8bis	-471,5184	86
120	108	COMB1	-37,3652	87
120	109	COMB1	140,2217	87
120	108	COMB2	-15,8033	87
120	109	COMB2	71,0669	87
120	108	COMB4	563,5701	87
120	109	COMB4	-370,4603	87
120	108	COMB5	585,1319	87
120	109	COMB5	-439,6150	87
120	108	COMB6	-48,8543	87
120	109	COMB6	111,6096	87
120	108	COMB8	632,6435	87
120	109	COMB8	-468,2287	87
120	108	COMB8bis	471,5184	87
120	109	COMB8bis	-329,9161	87
121	109	COMB1	-140,2217	88
121	110	COMB1	273,3940	88
121	109	COMB2	-71,0669	88
121	110	COMB2	161,9157	88
121	109	COMB4	370,4603	88
121	110	COMB4	-87,0522	88
121	109	COMB5	439,6150	88
121	110	COMB5	-198,5305	88
121	109	COMB6	-111,6096	88
121	110	COMB6	209,4058	88
121	109	COMB8	468,2287	88
121	110	COMB8	-201,1864	88
121	109	COMB8bis	329,9161	88
121	110	COMB8bis	-100,8944	88
122	110	COMB1	-273,3940	89
122	111	COMB1	434,1262	89
122	110	COMB2	-161,9157	89
122	111	COMB2	288,2223	89
122	110	COMB4	87,0522	89
122	111	COMB4	284,3758	89
122	110	COMB5	198,5305	89
122	111	COMB5	138,4719	89
122	110	COMB6	-209,4058	89
122	111	COMB6	341,7933	89
122	110	COMB8	201,1864	89

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
122	111	COMB8	168,5766	89
122	110	COMB8bis	100,8944	89
122	111	COMB8bis	215,5091	89
123	111	COMB1	-434,1262	90
123	62	COMB1	700,9561	90
123	111	COMB2	-288,2223	90
123	62	COMB2	539,6447	90
123	111	COMB4	-284,3758	90
123	62	COMB4	871,8276	90
123	111	COMB5	-138,4719	90
123	62	COMB5	710,5162	90
123	111	COMB6	-341,7933	90
123	62	COMB6	597,1274	90
123	111	COMB8	-168,5766	90
123	62	COMB8	790,0966	90
123	111	COMB8bis	-215,5091	90
123	62	COMB8bis	745,9011	90
124	60	COMB1	374,7650	91
124	112	COMB1	-211,5249	91
124	60	COMB2	255,6009	91
124	112	COMB2	-115,6360	91
124	60	COMB4	1113,5410	91
124	112	COMB4	-499,5258	91
124	60	COMB5	994,3769	91
124	112	COMB5	-403,6370	91
124	60	COMB6	260,4689	91
124	112	COMB6	-119,8663	91
124	60	COMB8	1076,5555	91
124	112	COMB8	-438,0272	91
124	60	COMB8bis	921,9343	91
124	112	COMB8bis	-377,7073	91
125	112	COMB1	211,5249	92
125	113	COMB1	-79,0921	92
125	112	COMB2	115,6360	92
125	113	COMB2	-6,4785	92
125	112	COMB4	499,5258	92
125	113	COMB4	-16,4418	92
125	112	COMB5	403,6370	92
125	113	COMB5	56,1718	92
125	112	COMB6	119,8663	92
125	113	COMB6	-10,0711	92
125	112	COMB8	438,0272	92
125	113	COMB8	59,0955	92
125	112	COMB8bis	377,7073	92
125	113	COMB8bis	46,0631	92
126	113	COMB1	79,0921	93
126	114	COMB1	22,5334	93
126	113	COMB2	6,4785	93
126	114	COMB2	71,8717	93
126	113	COMB4	16,4418	93
126	114	COMB4	335,7113	93
126	113	COMB5	-56,1718	93
126	114	COMB5	385,0496	93
126	113	COMB6	10,0711	93
126	114	COMB6	68,9169	93

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
126	113	COMB8	-59,0955	93
126	114	COMB8	414,8127	93
126	113	COMB8bis	-46,0631	93
126	114	COMB8bis	349,3769	93
127	114	COMB1	-22,5334	94
127	115	COMB1	93,3516	94
127	114	COMB2	-71,8717	94
127	115	COMB2	119,4146	94
127	114	COMB4	-335,7113	94
127	115	COMB4	556,9332	94
127	114	COMB5	-385,0496	94
127	115	COMB5	582,9963	94
127	114	COMB6	-68,9169	94
127	115	COMB6	117,0975	94
127	114	COMB8	-414,8127	94
127	115	COMB8	629,1243	94
127	114	COMB8bis	-349,3769	94
127	115	COMB8bis	532,2341	94
128	115	COMB1	-93,3516	95
128	116	COMB1	133,3624	95
128	115	COMB2	-119,4146	95
128	116	COMB2	136,1502	95
128	115	COMB4	-556,9332	95
128	116	COMB4	647,2241	95
128	115	COMB5	-582,9963	95
128	116	COMB5	650,0119	95
128	115	COMB6	-117,0975	95
128	116	COMB6	134,4709	95
128	115	COMB8	-629,1243	95
128	116	COMB8	702,0304	95
128	115	COMB8bis	-532,2341	95
128	116	COMB8bis	594,6347	95
129	116	COMB1	-133,3624	96
129	117	COMB1	142,5660	96
129	116	COMB2	-136,1502	96
129	117	COMB2	122,0785	96
129	116	COMB4	-647,2241	96
129	117	COMB4	606,5840	96
129	116	COMB5	-650,0119	96
129	117	COMB5	586,0965	96
129	116	COMB6	-134,4709	96
129	117	COMB6	121,0369	96
129	116	COMB8	-702,0304	96
129	117	COMB8	633,5309	96
129	116	COMB8bis	-594,6347	96
129	117	COMB8bis	536,5788	96
130	117	COMB1	-142,5660	97
130	118	COMB1	120,9623	97
130	117	COMB2	-122,0785	97
130	118	COMB2	77,1995	97
130	117	COMB4	-606,5840	97
130	118	COMB4	435,0128	97
130	117	COMB5	-586,0965	97
130	118	COMB5	391,2501	97
130	117	COMB6	-121,0369	97

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
130	118	COMB6	76,7956	97
130	117	COMB8	-633,5309	97
130	118	COMB8	423,6260	97
130	117	COMB8bis	-536,5788	97
130	118	COMB8bis	358,0663	97
131	118	COMB1	-120,9623	98
131	119	COMB1	68,5512	98
131	118	COMB2	-77,1995	98
131	119	COMB2	1,5132	98
131	118	COMB4	-435,0128	98
131	119	COMB4	132,5105	98
131	118	COMB5	-391,2501	98
131	119	COMB5	65,4725	98
131	118	COMB6	-76,7956	98
131	119	COMB6	1,7470	98
131	118	COMB8	-423,6260	98
131	119	COMB8	72,3154	98
131	118	COMB8bis	-358,0663	98
131	119	COMB8bis	59,0972	98
132	119	COMB1	-68,5512	99
132	120	COMB1	-14,6672	99
132	119	COMB2	-1,5132	99
132	120	COMB2	-104,9804	99
132	119	COMB4	-132,5105	99
132	120	COMB4	-300,9228	99
132	119	COMB5	-65,4725	99
132	120	COMB5	-391,2360	99
132	119	COMB6	-1,7470	99
132	120	COMB6	-104,1089	99
132	119	COMB8	-72,3154	99
132	120	COMB8	-420,4007	99
132	119	COMB8bis	-59,0972	99
132	120	COMB8bis	-360,3284	99
133	120	COMB1	14,6672	100
133	63	COMB1	-128,6928	100
133	120	COMB2	104,9804	100
133	63	COMB2	-242,2813	100
133	120	COMB4	300,9228	100
133	63	COMB4	-865,2872	100
133	120	COMB5	391,2360	100
133	63	COMB5	-978,8757	100
133	120	COMB6	104,1089	100
133	63	COMB6	-240,7721	100
133	120	COMB8	420,4007	100
133	63	COMB8	-1054,5223	100
133	120	COMB8bis	360,3284	100
133	63	COMB8bis	-900,2106	100
134	64	COMB1	22,3334	101
134	121	COMB1	29,6539	101
134	64	COMB2	22,3334	101
134	121	COMB2	29,6539	101
134	64	COMB4	22,3334	101
134	121	COMB4	29,6539	101
134	64	COMB5	22,3334	101
134	121	COMB5	29,6539	101

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
134	64	COMB6	22,3334	101
134	121	COMB6	29,6539	101
134	64	COMB8	24,1201	101
134	121	COMB8	32,0262	101
134	64	COMB8bis	20,5467	101
134	121	COMB8bis	27,2816	101
135	121	COMB1	-29,6539	102
135	122	COMB1	70,0885	102
135	121	COMB2	-29,6539	102
135	122	COMB2	70,0885	102
135	121	COMB4	-29,6539	102
135	122	COMB4	70,0885	102
135	121	COMB5	-29,6539	102
135	122	COMB5	70,0885	102
135	121	COMB6	-29,6539	102
135	122	COMB6	70,0885	102
135	121	COMB8	-32,0262	102
135	122	COMB8	75,6956	102
135	121	COMB8bis	-27,2816	102
135	122	COMB8bis	64,4814	102
136	122	COMB1	-70,0885	103
136	123	COMB1	98,9704	103
136	122	COMB2	-70,0885	103
136	123	COMB2	98,9704	103
136	122	COMB4	-70,0885	103
136	123	COMB4	98,9704	103
136	122	COMB5	-70,0885	103
136	123	COMB5	98,9704	103
136	122	COMB6	-70,0885	103
136	123	COMB6	98,9704	103
136	122	COMB8	-75,6956	103
136	123	COMB8	106,8880	103
136	122	COMB8bis	-64,4814	103
136	123	COMB8bis	91,0527	103
137	123	COMB1	-98,9704	104
137	124	COMB1	116,2995	104
137	123	COMB2	-98,9704	104
137	124	COMB2	116,2995	104
137	123	COMB4	-98,9704	104
137	124	COMB4	116,2995	104
137	123	COMB5	-98,9704	104
137	124	COMB5	116,2995	104
137	123	COMB6	-98,9704	104
137	124	COMB6	116,2995	104
137	123	COMB8	-106,8880	104
137	124	COMB8	125,6034	104
137	123	COMB8bis	-91,0527	104
137	124	COMB8bis	106,9955	104
138	124	COMB1	-116,2995	105
138	125	COMB1	122,0759	105
138	124	COMB2	-116,2995	105
138	125	COMB2	122,0759	105
138	124	COMB4	-116,2995	105
138	125	COMB4	122,0759	105
138	124	COMB5	-116,2995	105

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
138	125	COMB5	122,0759	105
138	124	COMB6	-116,2995	105
138	125	COMB6	122,0759	105
138	124	COMB8	-125,6034	105
138	125	COMB8	131,8419	105
138	124	COMB8bis	-106,9955	105
138	125	COMB8bis	112,3098	105
139	125	COMB1	-122,0759	106
139	126	COMB1	116,2995	106
139	125	COMB2	-122,0759	106
139	126	COMB2	116,2995	106
139	125	COMB4	-122,0759	106
139	126	COMB4	116,2995	106
139	125	COMB5	-122,0759	106
139	126	COMB5	116,2995	106
139	125	COMB6	-122,0759	106
139	126	COMB6	116,2995	106
139	125	COMB8	-131,8419	106
139	126	COMB8	125,6034	106
139	125	COMB8bis	-112,3098	106
139	126	COMB8bis	106,9955	106
140	126	COMB1	-116,2995	107
140	127	COMB1	98,9704	107
140	126	COMB2	-116,2995	107
140	127	COMB2	98,9704	107
140	126	COMB4	-116,2995	107
140	127	COMB4	98,9704	107
140	126	COMB5	-116,2995	107
140	127	COMB5	98,9704	107
140	126	COMB6	-116,2995	107
140	127	COMB6	98,9704	107
140	126	COMB8	-125,6034	107
140	127	COMB8	106,8880	107
140	126	COMB8bis	-106,9955	107
140	127	COMB8bis	91,0527	107
141	127	COMB1	-98,9704	108
141	128	COMB1	70,0885	108
141	127	COMB2	-98,9704	108
141	128	COMB2	70,0885	108
141	127	COMB4	-98,9704	108
141	128	COMB4	70,0885	108
141	127	COMB5	-98,9704	108
141	128	COMB5	70,0885	108
141	127	COMB6	-98,9704	108
141	128	COMB6	70,0885	108
141	127	COMB8	-106,8880	108
141	128	COMB8	75,6956	108
141	127	COMB8bis	-91,0527	108
141	128	COMB8bis	64,4814	108
142	128	COMB1	-70,0885	109
142	129	COMB1	29,6539	109
142	128	COMB2	-70,0885	109
142	129	COMB2	29,6539	109
142	128	COMB4	-70,0885	109
142	129	COMB4	29,6539	109

<p>GENERAL CONTRACTOR</p>  <p>Censorzio Collegamenti Integrati Veloci</p>	<p>ALTA SORVEGLIANZA</p>  <p>GRUPPO FERROVIE DELLO STATO ITALIANE</p>	<p>Foglio 220 di 289</p>
<p>a301-00-d-cv-ro-gn00-0x-013-e00</p>		

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
142	128	COMB5	-70,0885	109
142	129	COMB5	29,6539	109
142	128	COMB6	-70,0885	109
142	129	COMB6	29,6539	109
142	128	COMB8	-75,6956	109
142	129	COMB8	32,0262	109
142	128	COMB8bis	-64,4814	109
142	129	COMB8bis	27,2816	109
143	129	COMB1	-29,6539	110
143	65	COMB1	-22,3334	110
143	129	COMB2	-29,6539	110
143	65	COMB2	-22,3334	110
143	129	COMB4	-29,6539	110
143	65	COMB4	-22,3334	110
143	129	COMB5	-29,6539	110
143	65	COMB5	-22,3334	110
143	129	COMB6	-29,6539	110
143	65	COMB6	-22,3334	110
143	129	COMB8	-32,0262	110
143	65	COMB8	-24,1201	110
143	129	COMB8bis	-27,2816	110
143	65	COMB8bis	-20,5467	110

Table: Element Forces - Frames, Part 1 of 2

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
1	0,00000	COMB3	Combination	2,000	-1024,000	-0,625	128,0000	-2,0625
1	0,34475	COMB3	Combination	1,999	-1006,762	-0,625	128,0000	-1,8470
1	0,68951	COMB3	Combination	1,998	-989,525	-0,625	128,0000	-1,6316
1	1,03426	COMB3	Combination	1,997	-972,287	-0,625	128,0000	-1,4161
2	0,00000	COMB3	Combination	3,000	-1536,000	-0,500	96,0000	-1,4063
2	0,34475	COMB3	Combination	2,999	-1518,762	-0,500	96,0000	-1,2339
2	0,68951	COMB3	Combination	2,998	-1501,525	-0,500	96,0000	-1,0615
2	1,03426	COMB3	Combination	2,997	-1484,287	-0,500	96,0000	-0,8891
3	0,00000	COMB3	Combination	3,000	-512,000	-0,375	88,0000	-0,8438
3	0,34475	COMB3	Combination	2,999	-494,762	-0,375	88,0000	-0,7145
3	0,68951	COMB3	Combination	2,998	-477,525	-0,375	88,0000	-0,5852
3	1,03426	COMB3	Combination	2,997	-460,287	-0,375	88,0000	-0,4559
4	0,00000	COMB3	Combination	4,000	-1024,000	-0,313	72,0000	-0,3750
4	0,34475	COMB3	Combination	3,999	-1006,762	-0,313	72,0000	-0,2673
4	0,68951	COMB3	Combination	3,998	-989,525	-0,313	72,0000	-0,1595
4	1,03426	COMB3	Combination	3,997	-972,287	-0,313	72,0000	-0,0518
5	0,00000	COMB3	Combination	3,000	-512,000	-0,313	64,0000	-0,0781
5	0,34475	COMB3	Combination	2,999	-494,762	-0,313	64,0000	0,0296
5	0,68951	COMB3	Combination	2,998	-477,525	-0,313	64,0000	0,1373
5	1,03426	COMB3	Combination	2,997	-460,287	-0,313	64,0000	0,2451
6	0,00000	COMB3	Combination	2,000	0,000	-0,250	56,0000	0,2500
6	0,34475	COMB3	Combination	1,999	17,238	-0,250	56,0000	0,3362

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
6	0,68951	COMB3	Combination	1,998	34,475	-0,250	56,0000	0,4224
6	1,03426	COMB3	Combination	1,997	51,713	-0,250	56,0000	0,5086
7	0,00000	COMB3	Combination	1,000	1280,000	-0,094	32,0000	0,4688
7	0,34475	COMB3	Combination	0,999	1297,238	-0,094	32,0000	0,5011
7	0,68951	COMB3	Combination	0,998	1314,475	-0,094	32,0000	0,5334
7	1,03426	COMB3	Combination	0,997	1331,713	-0,094	32,0000	0,5657
8	0,00000	COMB3	Combination	1,000	768,000	-0,063	24,0000	0,5859
8	0,34475	COMB3	Combination	0,999	785,238	-0,063	24,0000	0,6075
8	0,68951	COMB3	Combination	0,998	802,475	-0,063	24,0000	0,6290
8	1,03426	COMB3	Combination	0,997	819,713	-0,063	24,0000	0,6506
9	0,00000	COMB3	Combination	0,000	0,000	-0,109	32,0000	0,6719
9	0,34475	COMB3	Combination	-8,451E-04	17,238	-0,109	32,0000	0,7096
9	0,68951	COMB3	Combination	-1,690E-03	34,475	-0,109	32,0000	0,7473
9	1,03426	COMB3	Combination	-2,535E-03	51,713	-0,109	32,0000	0,7850
10	0,00000	COMB3	Combination	-1,000	512,000	-0,141	48,0000	0,7852
10	0,34475	COMB3	Combination	-1,001	529,238	-0,141	48,0000	0,8336
10	0,68951	COMB3	Combination	-1,002	546,475	-0,141	48,0000	0,8821
10	1,03426	COMB3	Combination	-1,003	563,713	-0,141	48,0000	0,9306
11	0,00000	COMB3	Combination	0,000	-512,000	-0,150	56,0000	0,9277
11	0,34475	COMB3	Combination	-8,451E-04	-494,762	-0,150	56,0000	0,9796
11	0,68951	COMB3	Combination	-1,690E-03	-477,525	-0,150	56,0000	1,0314
11	1,03426	COMB3	Combination	-2,535E-03	-460,287	-0,150	56,0000	1,0833
12	0,00000	COMB3	Combination	0,000	0,000	-0,039	24,0000	1,0469
12	0,34475	COMB3	Combination	-8,451E-04	17,238	-0,039	24,0000	1,0603
12	0,68951	COMB3	Combination	-1,690E-03	34,475	-0,039	24,0000	1,0738
12	1,03426	COMB3	Combination	-2,535E-03	51,713	-0,039	24,0000	1,0873
13	0,00000	COMB3	Combination	-0,250	-512,000	1,000	152,0000	1,3750
13	0,45421	COMB3	Combination	-0,247	-489,290	1,000	152,0000	0,9208
13	0,90842	COMB3	Combination	-0,244	-466,579	1,000	152,0000	0,4666
14	0,00000	COMB3	Combination	-0,375	-512,000	1,500	192,0000	0,2500
14	0,45421	COMB3	Combination	-0,372	-489,290	1,500	192,0000	-0,4313
14	0,90842	COMB3	Combination	-0,369	-466,579	1,500	192,0000	-1,1126
15	0,00000	COMB3	Combination	-0,313	-384,000	0,500	184,0000	-1,1250
15	0,45421	COMB3	Combination	-0,310	-361,290	0,500	184,0000	-1,3521
15	0,90842	COMB3	Combination	-0,307	-338,579	0,500	184,0000	-1,5792
16	0,00000	COMB3	Combination	-0,313	-256,000	0,500	192,0000	-1,3750
16	0,45421	COMB3	Combination	-0,310	-233,290	0,500	192,0000	-1,6021
16	0,90842	COMB3	Combination	-0,307	-210,579	0,500	192,0000	-1,8292
17	0,00000	COMB3	Combination	-0,250	-256,000	0,000	216,0000	-2,1250
17	0,45421	COMB3	Combination	-0,247	-233,290	0,000	216,0000	-2,1250
17	0,90842	COMB3	Combination	-0,244	-210,579	0,000	216,0000	-2,1250
18	0,00000	COMB3	Combination	-0,250	352,000	-0,750	64,0000	-2,0000
18	0,43213	COMB3	Combination	-0,251	373,606	-0,750	64,0000	-1,6759
18	0,86425	COMB3	Combination	-0,252	395,213	-0,750	64,0000	-1,3518
19	0,00000	COMB3	Combination	-0,313	348,000	0,000	56,0000	-1,5000
19	0,43213	COMB3	Combination	-0,314	369,606	0,000	56,0000	-1,5000
19	0,86425	COMB3	Combination	-0,315	391,213	0,000	56,0000	-1,5000
20	0,00000	COMB3	Combination	-0,219	384,000	-0,500	48,0000	-1,3750
20	0,43213	COMB3	Combination	-0,220	405,606	-0,500	48,0000	-1,1589
20	0,86425	COMB3	Combination	-0,221	427,213	-0,500	48,0000	-0,9429
21	0,00000	COMB3	Combination	-0,250	448,000	0,250	32,0000	-0,6250
21	0,43213	COMB3	Combination	-0,251	469,606	0,250	32,0000	-0,7330
21	0,86425	COMB3	Combination	-0,252	491,213	0,250	32,0000	-0,8411
22	0,00000	COMB3	Combination	-0,219	768,000	-0,500	40,0000	-0,6875
22	0,43213	COMB3	Combination	-0,220	789,606	-0,500	40,0000	-0,4714

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
22	0,86425	COMB3	Combination	-0,221	811,213	-0,500	40,0000	-0,2554
23	0,00000	COMB3	Combination	-0,188	512,000	-1,000	24,0000	-0,1875
23	0,43213	COMB3	Combination	-0,189	533,606	-1,000	24,0000	0,2446
23	0,86425	COMB3	Combination	-0,190	555,213	-1,000	24,0000	0,6768
24	0,00000	COMB3	Combination	-0,250	256,000	-0,750	40,0000	0,5000
24	0,43213	COMB3	Combination	-0,251	277,606	-0,750	40,0000	0,8241
24	0,86425	COMB3	Combination	-0,252	299,213	-0,750	40,0000	1,1482
25	0,00000	COMB3	Combination	-1,000	-384,000	0,195	-256,0000	1,5000
25	0,34475	COMB3	Combination	-1,000	-366,763	0,195	-256,0000	1,4327
25	0,68949	COMB3	Combination	-1,000	-349,525	0,195	-256,0000	1,3653
25	1,03424	COMB3	Combination	-1,000	-332,288	0,195	-256,0000	1,2980
26	0,00000	COMB3	Combination	-1,000	0,000	0,188	-272,0000	1,3125
26	0,34475	COMB3	Combination	-1,000	17,237	0,188	-272,0000	1,2479
26	0,68949	COMB3	Combination	-1,000	34,475	0,188	-272,0000	1,1832
26	1,03424	COMB3	Combination	-1,000	51,712	0,188	-272,0000	1,1186
27	0,00000	COMB3	Combination	-1,000	-128,000	0,172	-296,0000	1,1094
27	0,34475	COMB3	Combination	-1,000	-110,763	0,172	-296,0000	1,0501
27	0,68949	COMB3	Combination	-1,000	-93,525	0,172	-296,0000	0,9909
27	1,03424	COMB3	Combination	-1,000	-76,288	0,172	-296,0000	0,9316
28	0,00000	COMB3	Combination	-0,500	-128,000	0,203	-344,0000	0,9375
28	0,34475	COMB3	Combination	-0,500	-110,763	0,203	-344,0000	0,8675
28	0,68949	COMB3	Combination	-0,500	-93,525	0,203	-344,0000	0,7974
28	1,03424	COMB3	Combination	-0,500	-76,288	0,203	-344,0000	0,7274
29	0,00000	COMB3	Combination	-1,500	-192,000	0,188	-320,0000	0,7188
29	0,34475	COMB3	Combination	-1,500	-174,763	0,188	-320,0000	0,6541
29	0,68949	COMB3	Combination	-1,500	-157,525	0,188	-320,0000	0,5895
29	1,03424	COMB3	Combination	-1,500	-140,288	0,188	-320,0000	0,5248
30	0,00000	COMB3	Combination	-1,000	-96,000	0,250	-352,0000	0,4688
30	0,34475	COMB3	Combination	-1,000	-78,763	0,250	-352,0000	0,3826
30	0,68949	COMB3	Combination	-1,000	-61,525	0,250	-352,0000	0,2964
30	1,03424	COMB3	Combination	-1,000	-44,288	0,250	-352,0000	0,2102
31	0,00000	COMB3	Combination	-1,000	-64,000	0,281	-344,0000	0,2813
31	0,34475	COMB3	Combination	-1,000	-46,763	0,281	-344,0000	0,1843
31	0,68949	COMB3	Combination	-1,000	-29,525	0,281	-344,0000	0,0873
31	1,03424	COMB3	Combination	-1,000	-12,288	0,281	-344,0000	-0,0096
32	0,00000	COMB3	Combination	-1,500	-72,000	0,281	-360,0000	0,0938
32	0,34475	COMB3	Combination	-1,500	-54,763	0,281	-360,0000	-0,0032
32	0,68949	COMB3	Combination	-1,500	-37,525	0,281	-360,0000	-0,1002
32	1,03424	COMB3	Combination	-1,500	-20,288	0,281	-360,0000	-0,1971
33	0,00000	COMB3	Combination	-0,500	-32,000	0,313	-368,0000	-0,2813
33	0,34475	COMB3	Combination	-0,500	-14,763	0,313	-368,0000	-0,3890
33	0,68949	COMB3	Combination	-0,500	2,475	0,313	-368,0000	-0,4967
33	1,03424	COMB3	Combination	-0,500	19,712	0,313	-368,0000	-0,6045
34	0,00000	COMB3	Combination	0,000	64,000	0,313	-376,0000	-0,6563
34	0,34475	COMB3	Combination	-6,667E-15	81,237	0,313	-376,0000	-0,7640
34	0,68949	COMB3	Combination	-1,333E-14	98,475	0,313	-376,0000	-0,8717
34	1,03424	COMB3	Combination	-2,000E-14	115,712	0,313	-376,0000	-0,9795
35	0,00000	COMB3	Combination	1,000	192,000	0,125	-376,0000	-0,8438
35	0,34475	COMB3	Combination	1,000	209,237	0,125	-376,0000	-0,8868
35	0,68949	COMB3	Combination	1,000	226,475	0,125	-376,0000	-0,9299
35	1,03424	COMB3	Combination	1,000	243,712	0,125	-376,0000	-0,9730
36	0,00000	COMB3	Combination	0,500	128,000	0,188	-368,0000	-1,0000
36	0,34475	COMB3	Combination	0,500	145,237	0,188	-368,0000	-1,0646
36	0,68949	COMB3	Combination	0,500	162,475	0,188	-368,0000	-1,1293
36	1,03424	COMB3	Combination	0,500	179,712	0,188	-368,0000	-1,1939

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
37	0,00000	COMB3	Combination	0,250	-256,000	-0,250	568,0000	-1,0625
37	0,43214	COMB3	Combination	0,251	-234,393	-0,250	568,0000	-0,9545
37	0,86429	COMB3	Combination	0,252	-212,786	-0,250	568,0000	-0,8464
38	0,00000	COMB3	Combination	0,500	256,000	0,000	552,0000	-1,0625
38	0,43214	COMB3	Combination	0,501	277,607	0,000	552,0000	-1,0625
38	0,86429	COMB3	Combination	0,502	299,214	0,000	552,0000	-1,0625
39	0,00000	COMB3	Combination	0,000	256,000	0,250	552,0000	-1,0000
39	0,43214	COMB3	Combination	1,066E-03	277,607	0,250	552,0000	-1,1080
39	0,86429	COMB3	Combination	2,131E-03	299,214	0,250	552,0000	-1,2161
40	0,00000	COMB3	Combination	-0,250	-256,000	-0,500	536,0000	-0,8750
40	0,43214	COMB3	Combination	-0,249	-234,393	-0,500	536,0000	-0,6589
40	0,86429	COMB3	Combination	-0,248	-212,786	-0,500	536,0000	-0,4429
41	0,00000	COMB3	Combination	-1,500	256,000	-1,250	520,0000	-0,2500
41	0,43214	COMB3	Combination	-1,499	277,607	-1,250	520,0000	0,2902
41	0,86429	COMB3	Combination	-1,498	299,214	-1,250	520,0000	0,8304
42	0,00000	COMB3	Combination	-0,500	768,000	-1,000	512,0000	0,6250
42	0,43214	COMB3	Combination	-0,499	789,607	-1,000	512,0000	1,0571
42	0,86429	COMB3	Combination	-0,498	811,214	-1,000	512,0000	1,4893
43	0,00000	COMB3	Combination	0,000	512,000	-1,500	504,0000	1,8750
43	0,43214	COMB3	Combination	1,066E-03	533,607	-1,500	504,0000	2,5232
43	0,86429	COMB3	Combination	2,131E-03	555,214	-1,500	504,0000	3,1714
44	0,00000	COMB3	Combination	0,250	-512,000	0,250	96,0000	2,5000
44	0,45415	COMB3	Combination	0,250	-489,292	0,250	96,0000	2,3865
44	0,90831	COMB3	Combination	0,250	-466,585	0,250	96,0000	2,2729
45	0,00000	COMB3	Combination	-0,500	0,000	0,500	120,0000	2,2500
45	0,45415	COMB3	Combination	-0,500	22,708	0,500	120,0000	2,0229
45	0,90831	COMB3	Combination	-0,500	45,415	0,500	120,0000	1,7958
46	0,00000	COMB3	Combination	0,250	0,000	1,250	112,0000	1,7500
46	0,45415	COMB3	Combination	0,250	22,708	1,250	112,0000	1,1823
46	0,90831	COMB3	Combination	0,250	45,415	1,250	112,0000	0,6146
47	0,00000	COMB3	Combination	1,000	0,000	1,500	80,0000	0,6250
47	0,45415	COMB3	Combination	1,000	22,708	1,500	80,0000	-0,0562
47	0,90831	COMB3	Combination	1,000	45,415	1,500	80,0000	-0,7375
48	0,00000	COMB3	Combination	0,250	512,000	1,500	-72,0000	-0,7500
48	0,45415	COMB3	Combination	0,250	534,708	1,500	-72,0000	-1,4312
48	0,90831	COMB3	Combination	0,250	557,415	1,500	-72,0000	-2,1125
49	0,00000	COMB3	Combination	-2,000	-768,000	0,250	-216,0000	1,0313
49	0,34475	COMB3	Combination	-2,000	-750,762	0,250	-216,0000	0,9451
49	0,68950	COMB3	Combination	-2,000	-733,525	0,250	-216,0000	0,8589
49	1,03425	COMB3	Combination	-2,000	-716,287	0,250	-216,0000	0,7727
50	0,00000	COMB3	Combination	-1,000	-768,000	0,188	-240,0000	0,7813
50	0,34475	COMB3	Combination	-1,000	-750,762	0,188	-240,0000	0,7166
50	0,68950	COMB3	Combination	-1,000	-733,525	0,188	-240,0000	0,6520
50	1,03425	COMB3	Combination	-1,000	-716,287	0,188	-240,0000	0,5873
51	0,00000	COMB3	Combination	-1,500	-768,000	0,188	-240,0000	0,5625
51	0,34475	COMB3	Combination	-1,500	-750,762	0,188	-240,0000	0,4979
51	0,68950	COMB3	Combination	-1,500	-733,525	0,188	-240,0000	0,4332
51	1,03425	COMB3	Combination	-1,500	-716,287	0,188	-240,0000	0,3686
52	0,00000	COMB3	Combination	-2,500	-256,000	0,250	-240,0000	0,2500
52	0,34475	COMB3	Combination	-2,500	-238,762	0,250	-240,0000	0,1638
52	0,68950	COMB3	Combination	-2,500	-221,525	0,250	-240,0000	0,0776
52	1,03425	COMB3	Combination	-2,500	-204,287	0,250	-240,0000	-0,0086
53	0,00000	COMB3	Combination	-1,000	-512,000	0,250	-200,0000	0,0313
53	0,34475	COMB3	Combination	-1,000	-494,762	0,250	-200,0000	-0,0549
53	0,68950	COMB3	Combination	-1,000	-477,525	0,250	-200,0000	-0,1411

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
53	1,03425	COMB3	Combination	-1,000	-460,287	0,250	-200,0000	-0,2273
54	0,00000	COMB3	Combination	-2,500	0,000	0,125	-176,0000	-0,2813
54	0,34475	COMB3	Combination	-2,500	17,238	0,125	-176,0000	-0,3243
54	0,68950	COMB3	Combination	-2,500	34,475	0,125	-176,0000	-0,3674
54	1,03425	COMB3	Combination	-2,500	51,713	0,125	-176,0000	-0,4105
55	0,00000	COMB3	Combination	-4,000	256,000	0,125	-160,0000	-0,3281
55	0,34475	COMB3	Combination	-4,000	273,238	0,125	-160,0000	-0,3712
55	0,68950	COMB3	Combination	-4,000	290,475	0,125	-160,0000	-0,4143
55	1,03425	COMB3	Combination	-4,000	307,713	0,125	-160,0000	-0,4574
56	0,00000	COMB3	Combination	-3,000	256,000	-0,094	-136,0000	-0,4219
56	0,34475	COMB3	Combination	-3,000	273,238	-0,094	-136,0000	-0,3896
56	0,68950	COMB3	Combination	-3,000	290,475	-0,094	-136,0000	-0,3572
56	1,03425	COMB3	Combination	-3,000	307,713	-0,094	-136,0000	-0,3249
57	0,00000	COMB3	Combination	-3,500	512,000	-0,125	-160,0000	-0,3438
57	0,34475	COMB3	Combination	-3,500	529,238	-0,125	-160,0000	-0,3007
57	0,68950	COMB3	Combination	-3,500	546,475	-0,125	-160,0000	-0,2576
57	1,03425	COMB3	Combination	-3,500	563,713	-0,125	-160,0000	-0,2145
58	0,00000	COMB3	Combination	-2,500	256,000	-0,125	-136,0000	-0,1719
58	0,34475	COMB3	Combination	-2,500	273,238	-0,125	-136,0000	-0,1288
58	0,68950	COMB3	Combination	-2,500	290,475	-0,125	-136,0000	-0,0857
58	1,03425	COMB3	Combination	-2,500	307,713	-0,125	-136,0000	-0,0426
59	0,00000	COMB3	Combination	-2,000	128,000	-0,125	-120,0000	-0,0625
59	0,34475	COMB3	Combination	-2,000	145,238	-0,125	-120,0000	-0,0194
59	0,68950	COMB3	Combination	-2,000	162,475	-0,125	-120,0000	0,0237
59	1,03425	COMB3	Combination	-2,000	179,713	-0,125	-120,0000	0,0668
60	0,00000	COMB3	Combination	0,000	512,000	-0,078	-104,0000	0,1055
60	0,34475	COMB3	Combination	0,000	529,238	-0,078	-104,0000	0,1324
60	0,68950	COMB3	Combination	0,000	546,475	-0,078	-104,0000	0,1593
60	1,03425	COMB3	Combination	0,000	563,713	-0,078	-104,0000	0,1863
94	0,40000	COMB3	Combination	-537,474	-263,339	4,063	-0,0015	-0,9883
94	0,76250	COMB3	Combination	-546,536	-263,339	-5,000	-0,0015	-0,8184
94	1,12500	COMB3	Combination	-555,599	-263,339	-14,062	-0,0015	2,6367
95	0,00000	COMB3	Combination	-555,599	-260,255	14,063	-0,0015	2,6367
95	0,37500	COMB3	Combination	-564,974	-260,255	4,688	-0,0015	-0,8789
95	0,75000	COMB3	Combination	-574,349	-260,255	-4,687	-0,0015	-0,8789
95	1,12500	COMB3	Combination	-583,724	-260,255	-14,062	-0,0015	2,6367
96	0,00000	COMB3	Combination	-583,724	-256,375	14,063	-0,0015	2,6367
96	0,37500	COMB3	Combination	-593,099	-256,375	4,688	-0,0015	-0,8789
96	0,75000	COMB3	Combination	-602,474	-256,375	-4,687	-0,0015	-0,8789
96	1,12500	COMB3	Combination	-611,849	-256,375	-14,062	-0,0015	2,6367
97	0,00000	COMB3	Combination	-611,849	-253,308	14,063	-0,0015	2,6367
97	0,37500	COMB3	Combination	-621,224	-253,308	4,688	-0,0015	-0,8789
97	0,75000	COMB3	Combination	-630,599	-253,308	-4,687	-0,0015	-0,8789
97	1,12500	COMB3	Combination	-639,974	-253,308	-14,062	-0,0015	2,6367
98	0,00000	COMB3	Combination	-686,515	70,650	12,699	-7,809E-04	2,1519
98	0,33842	COMB3	Combination	-694,976	70,650	4,239	-7,809E-04	-0,7142
98	0,67684	COMB3	Combination	-703,437	70,650	-4,221	-7,809E-04	-0,7173
98	1,01526	COMB3	Combination	-711,898	70,650	-12,681	-7,809E-04	2,1427
99	0,00000	COMB3	Combination	-711,896	72,022	12,699	-7,809E-04	2,1521
99	0,33842	COMB3	Combination	-720,357	72,022	4,239	-7,809E-04	-0,7142
99	0,67684	COMB3	Combination	-728,818	72,022	-4,221	-7,809E-04	-0,7174
99	1,01526	COMB3	Combination	-737,279	72,022	-12,681	-7,809E-04	2,1425
100	0,00000	COMB3	Combination	-737,278	73,397	12,700	-7,809E-04	2,1522
100	0,33842	COMB3	Combination	-745,739	73,397	4,240	-7,809E-04	-0,7141
100	0,67684	COMB3	Combination	-754,200	73,397	-4,220	-7,809E-04	-0,7174

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
100	1,01526	COMB3	Combination	-762,660	73,397	-12,680	-7,809E-04	2,1423
101	0,00000	COMB3	Combination	-762,659	74,867	12,700	-7,809E-04	2,1524
101	0,33842	COMB3	Combination	-771,120	74,867	4,240	-7,809E-04	-0,7141
101	0,67684	COMB3	Combination	-779,581	74,867	-4,220	-7,809E-04	-0,7175
101	1,01526	COMB3	Combination	-788,042	74,867	-12,680	-7,809E-04	2,1422
102	0,00000	COMB3	Combination	-788,041	76,288	12,700	-7,809E-04	2,1526
102	0,33842	COMB3	Combination	-796,501	76,288	4,240	-7,809E-04	-0,7140
102	0,67684	COMB3	Combination	-804,962	76,288	-4,220	-7,809E-04	-0,7175
102	1,01526	COMB3	Combination	-813,423	76,288	-12,680	-7,809E-04	2,1420
103	0,00000	COMB3	Combination	-813,422	77,280	12,701	-7,809E-04	2,1527
103	0,01526	COMB3	Combination	-813,803	77,280	12,319	-7,809E-04	1,9619
104	0,40000	COMB3	Combination	-537,474	263,339	4,062	-0,0014	-0,9883
104	0,76250	COMB3	Combination	-546,536	263,339	-5,000	-0,0014	-0,8184
104	1,12500	COMB3	Combination	-555,599	263,339	-14,063	-0,0014	2,6367
105	0,00000	COMB3	Combination	-555,599	260,255	14,062	-0,0014	2,6367
105	0,37500	COMB3	Combination	-564,974	260,255	4,687	-0,0014	-0,8789
105	0,75000	COMB3	Combination	-574,349	260,255	-4,688	-0,0014	-0,8789
105	1,12500	COMB3	Combination	-583,724	260,255	-14,063	-0,0014	2,6367
106	0,00000	COMB3	Combination	-583,724	256,375	14,062	-0,0014	2,6367
106	0,37500	COMB3	Combination	-593,099	256,375	4,687	-0,0014	-0,8789
106	0,75000	COMB3	Combination	-602,474	256,375	-4,688	-0,0014	-0,8789
106	1,12500	COMB3	Combination	-611,849	256,375	-14,063	-0,0014	2,6367
107	0,00000	COMB3	Combination	-611,849	253,308	14,062	-0,0014	2,6367
107	0,37500	COMB3	Combination	-621,224	253,308	4,687	-0,0014	-0,8789
107	0,75000	COMB3	Combination	-630,599	253,308	-4,688	-0,0014	-0,8789
107	1,12500	COMB3	Combination	-639,974	253,308	-14,063	-0,0014	2,6367
108	0,00000	COMB3	Combination	-686,516	-70,650	12,683	-7,627E-04	2,1430
108	0,33842	COMB3	Combination	-694,976	-70,650	4,222	-7,627E-04	-0,7173
108	0,67684	COMB3	Combination	-703,436	-70,650	-4,239	-7,627E-04	-0,7143
108	1,01526	COMB3	Combination	-711,896	-70,650	-12,700	-7,627E-04	2,1519
109	0,00000	COMB3	Combination	-711,898	-72,022	12,682	-7,627E-04	2,1429
109	0,33842	COMB3	Combination	-720,358	-72,022	4,221	-7,627E-04	-0,7174
109	0,67684	COMB3	Combination	-728,818	-72,022	-4,240	-7,627E-04	-0,7143
109	1,01526	COMB3	Combination	-737,278	-72,022	-12,700	-7,627E-04	2,1521
110	0,00000	COMB3	Combination	-737,279	-73,397	12,682	-7,627E-04	2,1427
110	0,33842	COMB3	Combination	-745,739	-73,397	4,221	-7,627E-04	-0,7174
110	0,67684	COMB3	Combination	-754,199	-73,397	-4,240	-7,627E-04	-0,7142
110	1,01526	COMB3	Combination	-762,659	-73,397	-12,701	-7,627E-04	2,1523
111	0,00000	COMB3	Combination	-762,660	-74,867	12,682	-7,627E-04	2,1426
111	0,33842	COMB3	Combination	-771,120	-74,867	4,221	-7,627E-04	-0,7175
111	0,67684	COMB3	Combination	-779,581	-74,867	-4,240	-7,627E-04	-0,7142
111	1,01526	COMB3	Combination	-788,041	-74,867	-12,701	-7,627E-04	2,1524
112	0,00000	COMB3	Combination	-788,042	-76,288	12,681	-7,627E-04	2,1424
112	0,33842	COMB3	Combination	-796,502	-76,288	4,220	-7,627E-04	-0,7175
112	0,67684	COMB3	Combination	-804,962	-76,288	-4,240	-7,627E-04	-0,7141
112	1,01526	COMB3	Combination	-813,422	-76,288	-12,701	-7,627E-04	2,1526
113	0,00000	COMB3	Combination	-813,423	-77,280	12,681	-7,627E-04	2,1422
113	0,01526	COMB3	Combination	-813,805	-77,280	12,300	-7,627E-04	1,9517
114	0,50000	COMB3	Combination	-77,250	-452,610	0,788	0,0000	-6,6575
114	0,87056	COMB3	Combination	-77,250	-471,138	-17,740	0,0000	-3,5168
114	1,24111	COMB3	Combination	-77,250	-489,666	-36,267	0,0000	6,4896
115	0,00000	COMB3	Combination	-77,250	-237,202	31,086	0,0000	6,4896
115	0,41370	COMB3	Combination	-77,250	-257,887	10,401	0,0000	-2,0921
115	0,82741	COMB3	Combination	-77,250	-278,572	-10,284	0,0000	-2,1161
115	1,24111	COMB3	Combination	-77,250	-299,258	-30,970	0,0000	6,4174

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
116	0,00000	COMB3	Combination	-77,250	-159,867	31,027	0,0000	6,4174
116	0,41370	COMB3	Combination	-77,250	-180,553	10,342	0,0000	-2,1399
116	0,82741	COMB3	Combination	-77,250	-201,238	-10,343	0,0000	-2,1397
116	1,24111	COMB3	Combination	-77,250	-221,923	-31,029	0,0000	6,4182
117	0,00000	COMB3	Combination	-77,250	-83,217	31,028	0,0000	6,4182
117	0,41370	COMB3	Combination	-77,250	-103,902	10,343	0,0000	-2,1394
117	0,82741	COMB3	Combination	-77,250	-124,588	-10,343	0,0000	-2,1394
117	1,24111	COMB3	Combination	-77,250	-145,273	-31,028	0,0000	6,4182
118	0,00000	COMB3	Combination	-77,250	-7,004	31,028	0,0000	6,4182
118	0,41370	COMB3	Combination	-77,250	-27,689	10,343	0,0000	-2,1394
118	0,82741	COMB3	Combination	-77,250	-48,374	-10,343	0,0000	-2,1394
118	1,24111	COMB3	Combination	-77,250	-69,060	-31,028	0,0000	6,4182
119	0,00000	COMB3	Combination	-77,250	69,060	31,028	0,0000	6,4182
119	0,41370	COMB3	Combination	-77,250	48,374	10,343	0,0000	-2,1394
119	0,82741	COMB3	Combination	-77,250	27,689	-10,343	0,0000	-2,1394
119	1,24111	COMB3	Combination	-77,250	7,004	-31,028	0,0000	6,4182
120	0,00000	COMB3	Combination	-77,250	145,273	31,028	0,0000	6,4182
120	0,41370	COMB3	Combination	-77,250	124,588	10,343	0,0000	-2,1394
120	0,82741	COMB3	Combination	-77,250	103,902	-10,343	0,0000	-2,1394
120	1,24111	COMB3	Combination	-77,250	83,217	-31,028	0,0000	6,4182
121	0,00000	COMB3	Combination	-77,250	221,923	31,029	0,0000	6,4182
121	0,41370	COMB3	Combination	-77,250	201,238	10,343	0,0000	-2,1397
121	0,82741	COMB3	Combination	-77,250	180,553	-10,342	0,0000	-2,1399
121	1,24111	COMB3	Combination	-77,250	159,867	-31,027	0,0000	6,4174
122	0,00000	COMB3	Combination	-77,250	299,258	30,970	0,0000	6,4174
122	0,41370	COMB3	Combination	-77,250	278,572	10,285	0,0000	-2,1162
122	0,82741	COMB3	Combination	-77,250	257,887	-10,401	0,0000	-2,0923
122	1,24111	COMB3	Combination	-77,250	237,202	-31,086	0,0000	6,4893
123	0,00000	COMB3	Combination	-77,250	489,666	36,246	0,0000	6,4893
123	0,37056	COMB3	Combination	-77,250	471,138	17,718	0,0000	-3,5092
123	0,74111	COMB3	Combination	-77,250	452,610	-0,810	0,0000	-6,6420
124	0,50000	COMB3	Combination	-263,052	484,974	0,318	0,0277	-2,6607
124	0,87056	COMB3	Combination	-263,052	453,476	-7,093	0,0277	-1,4056
124	1,24111	COMB3	Combination	-263,053	421,979	-14,504	0,0277	2,5958
125	0,00000	COMB3	Combination	-263,051	421,979	12,434	0,0057	2,5958
125	0,41370	COMB3	Combination	-263,052	386,814	4,160	0,0057	-0,8369
125	0,82741	COMB3	Combination	-263,052	351,649	-4,114	0,0057	-0,8465
125	1,24111	COMB3	Combination	-263,053	316,484	-12,388	0,0057	2,5670
126	0,00000	COMB3	Combination	-263,051	316,484	12,411	-0,0107	2,5670
126	0,41370	COMB3	Combination	-263,052	281,319	4,137	-0,0107	-0,8560
126	0,82741	COMB3	Combination	-263,052	246,154	-4,137	-0,0107	-0,8559
126	1,24111	COMB3	Combination	-263,053	210,989	-12,411	-0,0107	2,5673
127	0,00000	COMB3	Combination	-263,051	210,989	12,411	-0,0217	2,5673
127	0,41370	COMB3	Combination	-263,052	175,825	4,137	-0,0217	-0,8558
127	0,82741	COMB3	Combination	-263,052	140,660	-4,137	-0,0217	-0,8558
127	1,24111	COMB3	Combination	-263,053	105,495	-12,411	-0,0217	2,5673
128	0,00000	COMB3	Combination	-263,051	105,495	12,411	-0,0272	2,5673
128	0,41370	COMB3	Combination	-263,052	70,330	4,137	-0,0272	-0,8558
128	0,82741	COMB3	Combination	-263,052	35,165	-4,137	-0,0272	-0,8558
128	1,24111	COMB3	Combination	-263,053	-2,771E-07	-12,411	-0,0272	2,5673
129	0,00000	COMB3	Combination	-263,051	-2,772E-07	12,411	-0,0272	2,5673
129	0,41370	COMB3	Combination	-263,052	-35,165	4,137	-0,0272	-0,8558
129	0,82741	COMB3	Combination	-263,052	-70,330	-4,137	-0,0272	-0,8558
129	1,24111	COMB3	Combination	-263,053	-105,495	-12,411	-0,0272	2,5673
130	0,00000	COMB3	Combination	-263,051	-105,495	12,411	-0,0217	2,5673

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
130	0,41370	COMB3	Combination	-263,052	-140,660	4,137	-0,0217	-0,8558
130	0,82741	COMB3	Combination	-263,052	-175,825	-4,137	-0,0217	-0,8558
130	1,24111	COMB3	Combination	-263,053	-210,989	-12,411	-0,0217	2,5673
131	0,00000	COMB3	Combination	-263,051	-210,989	12,411	-0,0107	2,5673
131	0,41370	COMB3	Combination	-263,052	-246,154	4,137	-0,0107	-0,8559
131	0,82741	COMB3	Combination	-263,052	-281,319	-4,137	-0,0107	-0,8560
131	1,24111	COMB3	Combination	-263,053	-316,484	-12,411	-0,0107	2,5670
132	0,00000	COMB3	Combination	-263,051	-316,484	12,388	0,0057	2,5670
132	0,41370	COMB3	Combination	-263,052	-351,649	4,114	0,0057	-0,8465
132	0,82741	COMB3	Combination	-263,052	-386,814	-4,160	0,0057	-0,8369
132	1,24111	COMB3	Combination	-263,053	-421,979	-12,434	0,0057	2,5958
133	0,00000	COMB3	Combination	-263,051	-421,979	14,501	0,0277	2,5958
133	0,37056	COMB3	Combination	-263,052	-453,476	7,090	0,0277	-1,4047
133	0,74111	COMB3	Combination	-263,052	-484,974	-0,321	0,0277	-2,6590
134	0,50000	COMB3	Combination	322,175	42,792	0,113	0,0245	-1,0023
134	0,87056	COMB3	Combination	322,175	40,013	-2,666	0,0245	-0,5293
134	1,24111	COMB3	Combination	322,175	37,233	-5,445	0,0245	0,9735
135	0,00000	COMB3	Combination	322,175	37,233	4,663	-0,0034	0,9735
135	0,41370	COMB3	Combination	322,175	34,131	1,560	-0,0034	-0,3138
135	0,82741	COMB3	Combination	322,175	31,028	-1,543	-0,0034	-0,3174
135	1,24111	COMB3	Combination	322,175	27,925	-4,645	-0,0034	0,9626
136	0,00000	COMB3	Combination	322,175	27,925	4,654	-0,0057	0,9626
136	0,41370	COMB3	Combination	322,175	24,822	1,551	-0,0057	-0,3210
136	0,82741	COMB3	Combination	322,175	21,720	-1,551	-0,0057	-0,3209
136	1,24111	COMB3	Combination	322,175	18,617	-4,654	-0,0057	0,9627
137	0,00000	COMB3	Combination	322,175	18,617	4,654	-0,0072	0,9627
137	0,41370	COMB3	Combination	322,175	15,514	1,551	-0,0072	-0,3209
137	0,82741	COMB3	Combination	322,175	12,411	-1,551	-0,0072	-0,3209
137	1,24111	COMB3	Combination	322,175	9,308	-4,654	-0,0072	0,9627
138	0,00000	COMB3	Combination	322,175	9,308	4,654	-0,0080	0,9627
138	0,41370	COMB3	Combination	322,175	6,206	1,551	-0,0080	-0,3209
138	0,82741	COMB3	Combination	322,175	3,103	-1,551	-0,0080	-0,3209
138	1,24111	COMB3	Combination	322,175	-2,417E-12	-4,654	-0,0080	0,9627
139	0,00000	COMB3	Combination	322,175	7,276E-12	4,654	-0,0080	0,9627
139	0,41370	COMB3	Combination	322,175	-3,103	1,551	-0,0080	-0,3209
139	0,82741	COMB3	Combination	322,175	-6,206	-1,551	-0,0080	-0,3209
139	1,24111	COMB3	Combination	322,175	-9,308	-4,654	-0,0080	0,9627
140	0,00000	COMB3	Combination	322,175	-9,308	4,654	-0,0072	0,9627
140	0,41370	COMB3	Combination	322,175	-12,411	1,551	-0,0072	-0,3209
140	0,82741	COMB3	Combination	322,175	-15,514	-1,551	-0,0072	-0,3209
140	1,24111	COMB3	Combination	322,175	-18,617	-4,654	-0,0072	0,9627
141	0,00000	COMB3	Combination	322,175	-18,617	4,654	-0,0057	0,9627
141	0,41370	COMB3	Combination	322,175	-21,720	1,551	-0,0057	-0,3209
141	0,82741	COMB3	Combination	322,175	-24,822	-1,551	-0,0057	-0,3210
141	1,24111	COMB3	Combination	322,175	-27,925	-4,654	-0,0057	0,9626
142	0,00000	COMB3	Combination	322,175	-27,925	4,646	-0,0034	0,9626
142	0,41370	COMB3	Combination	322,175	-31,028	1,543	-0,0034	-0,3175
142	0,82741	COMB3	Combination	322,175	-34,131	-1,560	-0,0034	-0,3139
142	1,24111	COMB3	Combination	322,175	-37,233	-4,663	-0,0034	0,9733
143	0,00000	COMB3	Combination	322,175	-37,233	5,432	0,0245	0,9733
143	0,37056	COMB3	Combination	322,175	-40,013	2,653	0,0245	-0,5246
143	0,74111	COMB3	Combination	322,175	-42,792	-0,126	0,0245	-0,9928

<p>GENERAL CONTRACTOR</p>  <p>CODIV Consorzio Collegamenti Integrati Veloci</p>	<p>ALTA SORVEGLIANZA</p>  <p>ITALFERR GRUPPO FERROVIE DELLO STATO ITALIANE</p>
	<p>a301-00-d-cv-ro-gn00-0x-013-e00</p> <p>Foglio 228 di 289</p>

Table: Element Forces - Frames, Part 2 of 2

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
1	0,00000	COMB3	256,0000	1-1	0,00000
1	0,34475	COMB3	606,0568	1-1	0,34475
1	0,68951	COMB3	950,1708	1-1	0,68951
1	1,03426	COMB3	1288,3420	1-1	1,03426
2	0,00000	COMB3	512,0000	2-1	0,00000
2	0,34475	COMB3	1038,5708	2-1	0,34475
2	0,68951	COMB3	1559,1989	2-1	0,68951
2	1,03426	COMB3	2073,8842	2-1	1,03426
3	0,00000	COMB3	2048,0000	3-1	0,00000
3	0,34475	COMB3	2221,5427	3-1	0,34475
3	0,68951	COMB3	2389,1426	3-1	0,68951
3	1,03426	COMB3	2550,7998	3-1	1,03426
4	0,00000	COMB3	1792,0000	4-1	0,00000
4	0,34475	COMB3	2142,0568	4-1	0,34475
4	0,68951	COMB3	2486,1708	4-1	0,68951
4	1,03426	COMB3	2824,3420	4-1	1,03426
5	0,00000	COMB3	2048,0000	5-1	0,00000
5	0,34475	COMB3	2221,5427	5-1	0,34475
5	0,68951	COMB3	2389,1426	5-1	0,68951
5	1,03426	COMB3	2550,7998	5-1	1,03426
6	0,00000	COMB3	2304,0000	6-1	0,00000
6	0,34475	COMB3	2301,0286	6-1	0,34475
6	0,68951	COMB3	2292,1145	6-1	0,68951
6	1,03426	COMB3	2277,2575	6-1	1,03426
7	0,00000	COMB3	2304,0000	7-1	0,00000
7	0,34475	COMB3	1859,7434	7-1	0,34475
7	0,68951	COMB3	1409,5441	7-1	0,68951
7	1,03426	COMB3	953,4020	7-1	1,03426
8	0,00000	COMB3	1024,0000	8-1	0,00000
8	0,34475	COMB3	756,2575	8-1	0,34475
8	0,68951	COMB3	482,5722	8-1	0,68951
8	1,03426	COMB3	202,9442	8-1	1,03426
9	0,00000	COMB3	256,0000	9-1	0,00000
9	0,34475	COMB3	253,0286	9-1	0,34475
9	0,68951	COMB3	244,1145	9-1	0,68951
9	1,03426	COMB3	229,2575	9-1	1,03426
10	0,00000	COMB3	-128,0000	10-1	0,00000
10	0,34475	COMB3	-307,4855	10-1	0,34475
10	0,68951	COMB3	-492,9137	10-1	0,68951
10	1,03426	COMB3	-684,2847	10-1	1,03426
11	0,00000	COMB3	-256,0000	11-1	0,00000
11	0,34475	COMB3	-82,4573	11-1	0,34475
11	0,68951	COMB3	85,1426	11-1	0,68951
11	1,03426	COMB3	246,7998	11-1	1,03426
12	0,00000	COMB3	128,0000	12-1	0,00000
12	0,34475	COMB3	125,0286	12-1	0,34475
12	0,68951	COMB3	116,1145	12-1	0,68951
12	1,03426	COMB3	101,2575	12-1	1,03426
13	0,00000	COMB3	-192,0000	13-1	0,00000
13	0,45421	COMB3	35,3972	13-1	0,45421
13	0,90842	COMB3	252,4791	13-1	0,90842
14	0,00000	COMB3	608,0000	14-1	0,00000
14	0,45421	COMB3	835,3972	14-1	0,45421
14	0,90842	COMB3	1052,4791	14-1	0,90842

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
15	0,00000	COMB3	1056,0000	15-1	0,00000
15	0,45421	COMB3	1225,2585	15-1	0,45421
15	0,90842	COMB3	1384,2017	15-1	0,90842
16	0,00000	COMB3	1632,0000	16-1	0,00000
16	0,45421	COMB3	1743,1198	16-1	0,45421
16	0,90842	COMB3	1843,9243	16-1	0,90842
17	0,00000	COMB3	2144,0000	17-1	0,00000
17	0,45421	COMB3	2255,1198	17-1	0,45421
17	0,90842	COMB3	2355,9243	17-1	0,90842
18	0,00000	COMB3	2464,0000	18-1	0,00000
18	0,43213	COMB3	2307,2233	18-1	0,43213
18	0,86425	COMB3	2141,1099	18-1	0,86425
19	0,00000	COMB3	2176,0000	19-1	0,00000
19	0,43213	COMB3	2020,9518	19-1	0,43213
19	0,86425	COMB3	1856,5669	19-1	0,86425
20	0,00000	COMB3	1920,0000	20-1	0,00000
20	0,43213	COMB3	1749,3952	20-1	0,43213
20	0,86425	COMB3	1569,4538	20-1	0,86425
21	0,00000	COMB3	1408,0000	21-1	0,00000
21	0,43213	COMB3	1209,7391	21-1	0,43213
21	0,86425	COMB3	1002,1416	21-1	0,86425
22	0,00000	COMB3	896,0000	22-1	0,00000
22	0,43213	COMB3	559,4588	22-1	0,43213
22	0,86425	COMB3	213,5809	22-1	0,86425
23	0,00000	COMB3	512,0000	23-1	0,00000
23	0,43213	COMB3	286,0831	23-1	0,43213
23	0,86425	COMB3	50,8295	23-1	0,86425
24	0,00000	COMB3	-128,0000	24-1	0,00000
24	0,43213	COMB3	-243,2925	24-1	0,43213
24	0,86425	COMB3	-367,9216	24-1	0,86425
25	0,00000	COMB3	-64,0000	25-1	0,00000
25	0,34475	COMB3	65,4116	25-1	0,34475
25	0,68949	COMB3	188,8807	25-1	0,68949
25	1,03424	COMB3	306,4072	25-1	1,03424
26	0,00000	COMB3	0,0000	26-1	0,00000
26	0,34475	COMB3	-2,9713	26-1	0,34475
26	0,68949	COMB3	-11,8851	26-1	0,68949
26	1,03424	COMB3	-26,7414	26-1	1,03424
27	0,00000	COMB3	0,0000	27-1	0,00000
27	0,34475	COMB3	41,1564	27-1	0,34475
27	0,68949	COMB3	76,3702	27-1	0,68949
27	1,03424	COMB3	105,6415	27-1	1,03424
28	0,00000	COMB3	80,0000	28-1	0,00000
28	0,34475	COMB3	121,1564	28-1	0,34475
28	0,68949	COMB3	156,3702	28-1	0,68949
28	1,03424	COMB3	185,6415	28-1	1,03424
29	0,00000	COMB3	216,0000	29-1	0,00000
29	0,34475	COMB3	279,2202	29-1	0,34475
29	0,68949	COMB3	336,4978	29-1	0,68949
29	1,03424	COMB3	387,8329	29-1	1,03424
30	0,00000	COMB3	460,0000	30-1	0,00000
30	0,34475	COMB3	490,1245	30-1	0,34475
30	0,68949	COMB3	514,3064	30-1	0,68949
30	1,03424	COMB3	532,5458	30-1	1,03424
31	0,00000	COMB3	640,0000	31-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
31	0,34475	COMB3	659,0925	31-1	0,34475
31	0,68949	COMB3	672,2426	31-1	0,68949
31	1,03424	COMB3	679,4501	31-1	1,03424
32	0,00000	COMB3	672,0000	32-1	0,00000
32	0,34475	COMB3	693,8505	32-1	0,34475
32	0,68949	COMB3	709,7585	32-1	0,68949
32	1,03424	COMB3	719,7240	32-1	1,03424
33	0,00000	COMB3	736,0000	33-1	0,00000
33	0,34475	COMB3	744,0606	33-1	0,34475
33	0,68949	COMB3	746,1788	33-1	0,68949
33	1,03424	COMB3	742,3543	33-1	1,03424
34	0,00000	COMB3	704,0000	34-1	0,00000
34	0,34475	COMB3	678,9649	34-1	0,34475
34	0,68949	COMB3	647,9873	34-1	0,68949
34	1,03424	COMB3	611,0672	34-1	1,03424
35	0,00000	COMB3	576,0000	35-1	0,00000
35	0,34475	COMB3	506,8373	35-1	0,34475
35	0,68949	COMB3	431,7321	35-1	0,68949
35	1,03424	COMB3	350,6843	35-1	1,03424
36	0,00000	COMB3	448,0000	36-1	0,00000
36	0,34475	COMB3	400,9011	36-1	0,34475
36	0,68949	COMB3	347,8597	36-1	0,68949
36	1,03424	COMB3	288,8758	36-1	1,03424
37	0,00000	COMB3	256,0000	37-1	0,00000
37	0,43214	COMB3	361,9599	37-1	0,43214
37	0,86429	COMB3	458,5824	37-1	0,86429
38	0,00000	COMB3	384,0000	38-1	0,00000
38	0,43214	COMB3	268,7027	38-1	0,43214
38	0,86429	COMB3	144,0681	38-1	0,86429
39	0,00000	COMB3	384,0000	39-1	0,00000
39	0,43214	COMB3	268,7027	39-1	0,43214
39	0,86429	COMB3	144,0681	39-1	0,86429
40	0,00000	COMB3	128,0000	40-1	0,00000
40	0,43214	COMB3	233,9599	40-1	0,43214
40	0,86429	COMB3	330,5824	40-1	0,86429
41	0,00000	COMB3	256,0000	41-1	0,00000
41	0,43214	COMB3	140,7027	41-1	0,43214
41	0,86429	COMB3	16,0681	41-1	0,86429
42	0,00000	COMB3	0,0000	42-1	0,00000
42	0,43214	COMB3	-336,5544	42-1	0,43214
42	0,86429	COMB3	-682,4462	42-1	0,86429
43	0,00000	COMB3	-768,0000	43-1	0,00000
43	0,43214	COMB3	-993,9258	43-1	0,43214
43	0,86429	COMB3	-1229,1890	43-1	0,86429
44	0,00000	COMB3	-1536,0000	44-1	0,00000
44	0,45415	COMB3	-1308,6294	44-1	0,45415
44	0,90831	COMB3	-1091,5717	44-1	0,90831
45	0,00000	COMB3	-1792,0000	45-1	0,00000
45	0,45415	COMB3	-1797,1564	45-1	0,45415
45	0,90831	COMB3	-1812,6256	45-1	0,90831
46	0,00000	COMB3	-1792,0000	46-1	0,00000
46	0,45415	COMB3	-1797,1564	46-1	0,45415
46	0,90831	COMB3	-1812,6256	46-1	0,90831
47	0,00000	COMB3	-768,0000	47-1	0,00000
47	0,45415	COMB3	-773,1564	47-1	0,45415

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
47	0,90831	COMB3	-788,6256	47-1	0,90831
48	0,00000	COMB3	512,0000	48-1	0,00000
48	0,45415	COMB3	274,3166	48-1	0,45415
48	0,90831	COMB3	26,3205	48-1	0,90831
49	0,00000	COMB3	-384,0000	49-1	0,00000
49	0,34475	COMB3	-122,2025	49-1	0,34475
49	0,68950	COMB3	133,6523	49-1	0,68950
49	1,03425	COMB3	383,5644	49-1	1,03425
50	0,00000	COMB3	256,0000	50-1	0,00000
50	0,34475	COMB3	517,7975	50-1	0,34475
50	0,68950	COMB3	773,6523	50-1	0,68950
50	1,03425	COMB3	1023,5644	50-1	1,03425
51	0,00000	COMB3	896,0000	51-1	0,00000
51	0,34475	COMB3	1157,7975	51-1	0,34475
51	0,68950	COMB3	1413,6523	51-1	0,68950
51	1,03425	COMB3	1663,5644	51-1	1,03425
52	0,00000	COMB3	1536,0000	52-1	0,00000
52	0,34475	COMB3	1621,2849	52-1	0,34475
52	0,68950	COMB3	1700,6272	52-1	0,68950
52	1,03425	COMB3	1774,0268	52-1	1,03425
53	0,00000	COMB3	2048,0000	53-1	0,00000
53	0,34475	COMB3	2221,5412	53-1	0,34475
53	0,68950	COMB3	2389,1397	53-1	0,68950
53	1,03425	COMB3	2550,7956	53-1	1,03425
54	0,00000	COMB3	2432,0000	54-1	0,00000
54	0,34475	COMB3	2429,0287	54-1	0,34475
54	0,68950	COMB3	2420,1147	54-1	0,68950
54	1,03425	COMB3	2405,2580	54-1	1,03425
55	0,00000	COMB3	2240,0000	55-1	0,00000
55	0,34475	COMB3	2148,7724	55-1	0,34475
55	0,68950	COMB3	2051,6021	55-1	0,68950
55	1,03425	COMB3	1948,4892	55-1	1,03425
56	0,00000	COMB3	1920,0000	56-1	0,00000
56	0,34475	COMB3	1828,7724	56-1	0,34475
56	0,68950	COMB3	1731,6021	56-1	0,68950
56	1,03425	COMB3	1628,4892	56-1	1,03425
57	0,00000	COMB3	1600,0000	57-1	0,00000
57	0,34475	COMB3	1420,5161	57-1	0,34475
57	0,68950	COMB3	1235,0896	57-1	0,68950
57	1,03425	COMB3	1043,7204	57-1	1,03425
58	0,00000	COMB3	1056,0000	58-1	0,00000
58	0,34475	COMB3	964,7724	58-1	0,34475
58	0,68950	COMB3	867,6021	58-1	0,68950
58	1,03425	COMB3	764,4892	58-1	1,03425
59	0,00000	COMB3	768,0000	59-1	0,00000
59	0,34475	COMB3	720,9005	59-1	0,34475
59	0,68950	COMB3	667,8584	59-1	0,68950
59	1,03425	COMB3	608,8736	59-1	1,03425
60	0,00000	COMB3	428,0000	60-1	0,00000
60	0,34475	COMB3	248,5161	60-1	0,34475
60	0,68950	COMB3	63,0896	60-1	0,68950
60	1,03425	COMB3	-128,2796	60-1	1,03425
94	0,40000	COMB3	-860,8059	94-1	0,40000
94	0,76250	COMB3	-765,3456	94-1	0,76250
94	1,12500	COMB3	-669,8853	94-1	1,12500

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
95	0,00000	COMB3	-669,8853	95-1	0,00000
95	0,37500	COMB3	-572,2896	95-1	0,37500
95	0,75000	COMB3	-474,6940	95-1	0,75000
95	1,12500	COMB3	-377,0983	95-1	1,12500
96	0,00000	COMB3	-377,0983	96-1	0,00000
96	0,37500	COMB3	-280,9578	96-1	0,37500
96	0,75000	COMB3	-184,8172	96-1	0,75000
96	1,12500	COMB3	-88,6767	96-1	1,12500
97	0,00000	COMB3	-88,6767	97-1	0,00000
97	0,37500	COMB3	6,3139	97-1	0,37500
97	0,75000	COMB3	101,3044	97-1	0,75000
97	1,12500	COMB3	196,2950	97-1	1,12500
98	0,00000	COMB3	173,9616	98-1	0,00000
98	0,33842	COMB3	150,0525	98-1	0,33842
98	0,67684	COMB3	126,1433	98-1	0,67684
98	1,01526	COMB3	102,2341	98-1	1,01526
99	0,00000	COMB3	102,2341	99-1	0,00000
99	0,33842	COMB3	77,8604	99-1	0,33842
99	0,67684	COMB3	53,4867	99-1	0,67684
99	1,01526	COMB3	29,1130	99-1	1,01526
100	0,00000	COMB3	29,1130	100-1	0,00000
100	0,33842	COMB3	4,2740	100-1	0,33842
100	0,67684	COMB3	-20,5651	100-1	0,67684
100	1,01526	COMB3	-45,4042	100-1	1,01526
101	0,00000	COMB3	-45,4042	101-1	0,00000
101	0,33842	COMB3	-70,7405	101-1	0,33842
101	0,67684	COMB3	-96,0768	101-1	0,67684
101	1,01526	COMB3	-121,4131	101-1	1,01526
102	0,00000	COMB3	-121,4131	102-1	0,00000
102	0,33842	COMB3	-147,2304	102-1	0,33842
102	0,67684	COMB3	-173,0476	102-1	0,67684
102	1,01526	COMB3	-198,8649	102-1	1,01526
103	0,00000	COMB3	-198,8649	103-1	0,00000
103	0,01526	COMB3	-200,0440	103-1	0,01526
104	0,40000	COMB3	860,8059	104-1	0,40000
104	0,76250	COMB3	765,3456	104-1	0,76250
104	1,12500	COMB3	669,8853	104-1	1,12500
105	0,00000	COMB3	669,8853	105-1	0,00000
105	0,37500	COMB3	572,2896	105-1	0,37500
105	0,75000	COMB3	474,6939	105-1	0,75000
105	1,12500	COMB3	377,0983	105-1	1,12500
106	0,00000	COMB3	377,0983	106-1	0,00000
106	0,37500	COMB3	280,9577	106-1	0,37500
106	0,75000	COMB3	184,8172	106-1	0,75000
106	1,12500	COMB3	88,6766	106-1	1,12500
107	0,00000	COMB3	88,6766	107-1	0,00000
107	0,37500	COMB3	-6,3140	107-1	0,37500
107	0,75000	COMB3	-101,3046	107-1	0,75000
107	1,12500	COMB3	-196,2952	107-1	1,12500
108	0,00000	COMB3	-173,9618	108-1	0,00000
108	0,33842	COMB3	-150,0526	108-1	0,33842
108	0,67684	COMB3	-126,1434	108-1	0,67684
108	1,01526	COMB3	-102,2343	108-1	1,01526
109	0,00000	COMB3	-102,2343	109-1	0,00000
109	0,33842	COMB3	-77,8605	109-1	0,33842

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
109	0,67684	COMB3	-53,4868	109-1	0,67684
109	1,01526	COMB3	-29,1131	109-1	1,01526
110	0,00000	COMB3	-29,1131	110-1	0,00000
110	0,33842	COMB3	-4,2740	110-1	0,33842
110	0,67684	COMB3	20,5651	110-1	0,67684
110	1,01526	COMB3	45,4042	110-1	1,01526
111	0,00000	COMB3	45,4042	111-1	0,00000
111	0,33842	COMB3	70,7405	111-1	0,33842
111	0,67684	COMB3	96,0769	111-1	0,67684
111	1,01526	COMB3	121,4132	111-1	1,01526
112	0,00000	COMB3	121,4132	112-1	0,00000
112	0,33842	COMB3	147,2305	112-1	0,33842
112	0,67684	COMB3	173,0478	112-1	0,67684
112	1,01526	COMB3	198,8651	112-1	1,01526
113	0,00000	COMB3	198,8651	113-1	0,00000
113	0,01526	COMB3	200,0441	113-1	0,01526
114	0,50000	COMB3	-57,2691	114-1	0,50000
114	0,87056	COMB3	113,8816	114-1	0,87056
114	1,24111	COMB3	291,8979	114-1	1,24111
115	0,00000	COMB3	291,8979	115-1	0,00000
115	0,41370	COMB3	394,3083	115-1	0,41370
115	0,82741	COMB3	505,2763	115-1	0,82741
115	1,24111	COMB3	624,8019	115-1	1,24111
116	0,00000	COMB3	624,8019	116-1	0,00000
116	0,41370	COMB3	695,2185	116-1	0,41370
116	0,82741	COMB3	774,1928	116-1	0,82741
116	1,24111	COMB3	861,7246	116-1	1,24111
117	0,00000	COMB3	861,7246	117-1	0,00000
117	0,41370	COMB3	900,4307	117-1	0,41370
117	0,82741	COMB3	947,6944	117-1	0,82741
117	1,24111	COMB3	1003,5157	117-1	1,24111
118	0,00000	COMB3	1003,5157	118-1	0,00000
118	0,41370	COMB3	1010,6921	118-1	0,41370
118	0,82741	COMB3	1026,4259	118-1	0,82741
118	1,24111	COMB3	1050,7174	118-1	1,24111
119	0,00000	COMB3	1050,7174	119-1	0,00000
119	0,41370	COMB3	1026,4259	119-1	0,41370
119	0,82741	COMB3	1010,6920	119-1	0,82741
119	1,24111	COMB3	1003,5157	119-1	1,24111
120	0,00000	COMB3	1003,5157	120-1	0,00000
120	0,41370	COMB3	947,6943	120-1	0,41370
120	0,82741	COMB3	900,4306	120-1	0,82741
120	1,24111	COMB3	861,7244	120-1	1,24111
121	0,00000	COMB3	861,7244	121-1	0,00000
121	0,41370	COMB3	774,1926	121-1	0,41370
121	0,82741	COMB3	695,2183	121-1	0,82741
121	1,24111	COMB3	624,8016	121-1	1,24111
122	0,00000	COMB3	624,8016	122-1	0,00000
122	0,41370	COMB3	505,2761	122-1	0,41370
122	0,82741	COMB3	394,3081	122-1	0,82741
122	1,24111	COMB3	291,8977	122-1	1,24111
123	0,00000	COMB3	291,8977	123-1	0,00000
123	0,37056	COMB3	113,8813	123-1	0,37056
123	0,74111	COMB3	-57,2694	123-1	0,74111
124	0,50000	COMB3	713,0296	124-1	0,50000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
124	0,87056	COMB3	539,1549	124-1	0,87056
124	1,24111	COMB3	376,9517	124-1	1,24111
125	0,00000	COMB3	376,9517	125-1	0,00000
125	0,41370	COMB3	209,6509	125-1	0,41370
125	0,82741	COMB3	56,8980	125-1	0,82741
125	1,24111	COMB3	-81,3070	125-1	1,24111
126	0,00000	COMB3	-81,3070	126-1	0,00000
126	0,41370	COMB3	-204,9641	126-1	0,41370
126	0,82741	COMB3	-314,0733	126-1	0,82741
126	1,24111	COMB3	-408,6347	126-1	1,24111
127	0,00000	COMB3	-408,6347	127-1	0,00000
127	0,41370	COMB3	-488,6481	127-1	0,41370
127	0,82741	COMB3	-554,1136	127-1	0,82741
127	1,24111	COMB3	-605,0312	127-1	1,24111
128	0,00000	COMB3	-605,0312	128-1	0,00000
128	0,41370	COMB3	-641,4010	128-1	0,41370
128	0,82741	COMB3	-663,2228	128-1	0,82741
128	1,24111	COMB3	-670,4968	128-1	1,24111
129	0,00000	COMB3	-670,4968	129-1	0,00000
129	0,41370	COMB3	-663,2228	129-1	0,41370
129	0,82741	COMB3	-641,4010	129-1	0,82741
129	1,24111	COMB3	-605,0312	129-1	1,24111
130	0,00000	COMB3	-605,0312	130-1	0,00000
130	0,41370	COMB3	-554,1136	130-1	0,41370
130	0,82741	COMB3	-488,6481	130-1	0,82741
130	1,24111	COMB3	-408,6347	130-1	1,24111
131	0,00000	COMB3	-408,6347	131-1	0,00000
131	0,41370	COMB3	-314,0733	131-1	0,41370
131	0,82741	COMB3	-204,9641	131-1	0,82741
131	1,24111	COMB3	-81,3070	131-1	1,24111
132	0,00000	COMB3	-81,3070	132-1	0,00000
132	0,41370	COMB3	56,8980	132-1	0,41370
132	0,82741	COMB3	209,6509	132-1	0,82741
132	1,24111	COMB3	376,9517	132-1	1,24111
133	0,00000	COMB3	376,9517	133-1	0,00000
133	0,37056	COMB3	539,1549	133-1	0,37056
133	0,74111	COMB3	713,0296	133-1	0,74111
134	0,50000	COMB3	-1,110E-16	134-1	0,50000
134	0,87056	COMB3	-15,3419	134-1	0,87056
134	1,24111	COMB3	-29,6539	134-1	1,24111
135	0,00000	COMB3	-29,6539	135-1	0,00000
135	0,41370	COMB3	-44,4158	135-1	0,41370
135	0,82741	COMB3	-57,8940	135-1	0,82741
135	1,24111	COMB3	-70,0885	135-1	1,24111
136	0,00000	COMB3	-70,0885	136-1	0,00000
136	0,41370	COMB3	-80,9994	136-1	0,41370
136	0,82741	COMB3	-90,6267	136-1	0,82741
136	1,24111	COMB3	-98,9704	136-1	1,24111
137	0,00000	COMB3	-98,9704	137-1	0,00000
137	0,41370	COMB3	-106,0304	137-1	0,41370
137	0,82741	COMB3	-111,8068	137-1	0,82741
137	1,24111	COMB3	-116,2995	137-1	1,24111
138	0,00000	COMB3	-116,2995	138-1	0,00000
138	0,41370	COMB3	-119,5086	138-1	0,41370
138	0,82741	COMB3	-121,4340	138-1	0,82741

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
138	1,24111	COMB3	-122,0759	138-1	1,24111
139	0,00000	COMB3	-122,0759	139-1	0,00000
139	0,41370	COMB3	-121,4340	139-1	0,41370
139	0,82741	COMB3	-119,5086	139-1	0,82741
139	1,24111	COMB3	-116,2995	139-1	1,24111
140	0,00000	COMB3	-116,2995	140-1	0,00000
140	0,41370	COMB3	-111,8068	140-1	0,41370
140	0,82741	COMB3	-106,0304	140-1	0,82741
140	1,24111	COMB3	-98,9704	140-1	1,24111
141	0,00000	COMB3	-98,9704	141-1	0,00000
141	0,41370	COMB3	-90,6267	141-1	0,41370
141	0,82741	COMB3	-80,9994	141-1	0,82741
141	1,24111	COMB3	-70,0885	141-1	1,24111
142	0,00000	COMB3	-70,0885	142-1	0,00000
142	0,41370	COMB3	-57,8940	142-1	0,41370
142	0,82741	COMB3	-44,4158	142-1	0,82741
142	1,24111	COMB3	-29,6539	142-1	1,24111
143	0,00000	COMB3	-29,6539	143-1	0,00000
143	0,37056	COMB3	-15,3419	143-1	0,37056
143	0,74111	COMB3	1,334E-12	143-1	0,74111

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

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

Frame	Joint	OutputCase	CaseType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
1	1	COMB3	Combination	-1,310	-0,688	1225,857	-148,4283	161,9848
1	2	COMB3	Combination	1,310	0,688	-1174,143	133,4874	-879,3272
2	2	COMB3	Combination	-1,324	-0,477	633,857	-96,2182	994,0005
2	3	COMB3	Combination	1,324	0,477	-582,143	106,3647	-2063,3162
3	3	COMB3	Combination	-4,024	-0,434	537,857	-108,4617	1953,9848
3	4	COMB3	Combination	4,024	0,434	-486,143	77,5862	-3055,3272
4	4	COMB3	Combination	-3,403	-0,297	569,857	-73,1181	2113,9848
4	5	COMB3	Combination	3,403	0,297	-518,143	79,0557	-2287,3272
5	5	COMB3	Combination	-3,350	-0,359	121,857	-65,1437	1857,9848
5	6	COMB3	Combination	3,350	0,359	-70,143	71,1099	-2255,3272
6	6	COMB3	Combination	-0,458	-0,246	-38,143	-60,5377	2657,9848
6	7	COMB3	Combination	0,458	0,246	89,857	53,7464	-2415,3272
7	7	COMB3	Combination	-1,051	-0,109	-678,143	-32,7947	2129,9376
7	8	COMB3	Combination	1,051	0,109	729,857	42,8427	-1295,3601
8	8	COMB3	Combination	0,909	-0,094	-374,143	-18,8436	962,0476
8	9	COMB3	Combination	-0,909	0,094	425,857	34,7411	-495,2833
9	9	COMB3	Combination	0,675	-0,145	-774,143	-41,2002	401,9848
9	10	COMB3	Combination	-0,675	0,145	825,857	23,2285	272,6728
10	10	COMB3	Combination	2,098	-0,141	345,857	-44,5647	-206,0152
10	11	COMB3	Combination	-2,098	0,141	-294,143	37,8029	272,6728
11	11	COMB3	Combination	0,367	-0,145	473,857	-63,9286	-190,0152
11	12	COMB3	Combination	-0,367	0,145	-422,143	52,3774	16,6728
12	12	COMB3	Combination	0,314	-0,043	-134,143	-15,9299	98,0005
12	13	COMB3	Combination	-0,314	0,043	185,857	30,1877	-79,3162
13	13	COMB3	Combination	0,945	-0,132	503,086	-94,2490	149,2141
13	14	COMB3	Combination	-0,945	0,257	-457,665	-93,4506	-151,1978
14	14	COMB3	Combination	1,500	-0,330	519,503	340,5833	181,1484
14	15	COMB3	Combination	-1,500	0,330	-474,082	-1404,7034	-207,1980
15	15	COMB3	Combination	0,695	-0,312	368,462	1075,9483	197,2155

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

Frame	Joint	OutputCase	CaseType	F1	F2	F3	M1	M2
				KN	KN	KN	KN-m	KN-m
15	16	COMB3	Combination	-0,695	0,312	-323,042	-1354,7351	-191,1969
16	16	COMB3	Combination	0,246	-0,324	299,375	1504,5897	189,2491
16	17	COMB3	Combination	-0,246	0,262	-253,954	-1791,5240	-207,1963
17	17	COMB3	Combination	0,215	-0,268	175,867	2126,8010	205,1155
17	18	COMB3	Combination	-0,215	0,205	-130,447	-2321,2007	-223,1982
18	18	COMB3	Combination	-0,418	-0,214	-338,901	2399,8173	71,8881
18	19	COMB3	Combination	0,418	0,214	382,114	-2195,8397	-55,8047
19	19	COMB3	Combination	-0,023	-0,320	-413,108	2182,6966	47,8880
19	20	COMB3	Combination	0,023	0,320	456,320	-1852,2980	-39,8048
20	20	COMB3	Combination	-1,090	-0,169	-402,024	1891,4606	39,8880
20	21	COMB3	Combination	1,090	0,169	445,236	-1667,6476	-55,8048
21	21	COMB3	Combination	0,266	-0,243	-428,229	1482,3409	23,8880
21	22	COMB3	Combination	-0,266	0,243	471,441	-940,1079	-39,8048
22	22	COMB3	Combination	-0,605	-0,153	-427,348	1037,9861	47,8879
22	23	COMB3	Combination	0,605	0,153	470,561	-475,9196	-31,8048
23	23	COMB3	Combination	-0,367	-0,128	-619,349	397,9851	23,8880
23	24	COMB3	Combination	0,367	0,128	662,561	164,0823	-23,8048
24	24	COMB3	Combination	-1,367	-0,229	52,205	-31,6883	29,8645
24	25	COMB3	Combination	1,367	0,229	-8,993	222,5937	-49,8099
25	25	COMB3	Combination	-1,452	-0,199	201,856	-250,6752	52,4575
25	26	COMB3	Combination	1,452	0,199	-150,144	246,0828	187,5435
26	26	COMB3	Combination	-0,796	-0,188	-6,144	-271,9956	4,4569
26	27	COMB3	Combination	0,796	0,188	57,856	272,0031	-132,4569
27	27	COMB3	Combination	-0,959	-0,176	137,856	-295,9956	20,4569
27	28	COMB3	Combination	0,959	0,176	-86,144	296,0031	-36,4569
28	28	COMB3	Combination	-0,648	-0,211	137,856	-338,0981	-107,5431
28	29	COMB3	Combination	0,648	0,211	-86,144	339,9495	283,5431
29	29	COMB3	Combination	-1,214	-0,176	233,856	-319,9967	-219,5431
29	30	COMB3	Combination	1,214	0,176	-182,144	320,0023	443,5431
30	30	COMB3	Combination	-0,449	-0,246	105,856	-351,9956	-459,5431
30	31	COMB3	Combination	0,449	0,246	-54,144	352,0031	603,5431
31	31	COMB3	Combination	-1,112	-0,281	57,856	-343,9956	-635,5431
31	32	COMB3	Combination	1,112	0,281	-6,144	344,0031	667,5431
32	32	COMB3	Combination	-1,331	-0,273	73,856	-359,9967	-667,5431
32	33	COMB3	Combination	1,331	0,273	-22,144	360,0023	699,5431
33	33	COMB3	Combination	0,062	-0,309	25,856	-367,9956	-747,5431
33	34	COMB3	Combination	-0,062	0,309	25,856	368,0031	731,5431
34	34	COMB3	Combination	-0,102	-0,289	-22,144	-375,9956	-699,5431
34	35	COMB3	Combination	0,102	0,289	73,856	376,0031	635,5431
35	35	COMB3	Combination	0,551	-0,148	-166,144	-375,9967	-555,5431
35	36	COMB3	Combination	-0,551	0,148	217,856	376,0023	443,5431
36	36	COMB3	Combination	0,647	-0,105	-54,144	-367,9758	-443,5431
36	37	COMB3	Combination	-0,647	0,105	105,856	368,0169	539,5431
37	37	COMB3	Combination	7,813E-03	-0,382	308,011	-374,6679	-579,3937
37	38	COMB3	Combination	-7,813E-03	0,382	-264,797	465,0994	570,3602
38	38	COMB3	Combination	0,066	-0,768	-138,393	-412,8875	-563,3975
38	39	COMB3	Combination	-0,066	0,768	181,607	380,8875	546,3226
39	39	COMB3	Combination	0,074	-0,097	-138,393	-476,8875	-563,4502
39	40	COMB3	Combination	-0,074	-0,153	181,607	188,8875	546,3251
40	40	COMB3	Combination	0,484	0,099	37,607	-92,8875	-539,3976
40	41	COMB3	Combination	-0,484	-0,099	5,607	124,8875	546,3226
41	41	COMB3	Combination	1,195	1,054	-48,133	-157,8443	-523,4503
41	42	COMB3	Combination	-1,195	-1,054	91,347	-5,3707	514,3250
42	42	COMB3	Combination	1,324	1,237	-314,393	3,1125	-515,4361
42	43	COMB3	Combination	-1,324	-1,237	357,607	-771,1125	514,3250

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

Frame	Joint	OutputCase	CaseType	F1	F2	F3	M1	M2
				KN	KN	KN	KN-m	KN-m
43	43	COMB3	Combination	1,594	-0,347	-842,393	771,1125	-507,3772
43	44	COMB3	Combination	-1,594	0,097	885,607	-1283,1125	506,3704
44	44	COMB3	Combination	-0,242	-0,108	-478,825	1298,8271	-101,2644
44	45	COMB3	Combination	0,242	0,108	524,241	-1581,3106	91,7380
45	45	COMB3	Combination	-0,648	0,540	711,017	1658,6787	-125,0106
45	46	COMB3	Combination	0,648	-0,540	-665,601	-1558,2372	115,8703
46	46	COMB3	Combination	-1,621	-0,231	977,448	1761,3328	-125,0131
46	47	COMB3	Combination	1,621	0,231	-932,033	-811,6468	107,8695
47	47	COMB3	Combination	-1,645	-0,618	461,894	875,4489	-85,0118
47	48	COMB3	Combination	1,645	0,618	-416,479	-832,6664	75,8696
48	48	COMB3	Combination	-1,355	0,113	767,192	-412,2495	66,9889
48	1	COMB3	Combination	1,355	-0,113	-721,776	217,0025	-76,1304
49	44	COMB3	Combination	1,397	0,246	921,856	218,1897	-612,4570
49	49	COMB3	Combination	-1,397	-0,246	-870,144	-223,8184	-635,5430
50	49	COMB3	Combination	1,310	0,230	889,856	246,6950	235,5430
50	50	COMB3	Combination	-1,310	-0,230	-838,144	-243,6737	-923,5430
51	50	COMB3	Combination	1,108	0,223	729,856	243,6879	843,5430
51	51	COMB3	Combination	-1,108	-0,223	-678,144	-238,5024	-1339,5430
52	51	COMB3	Combination	1,980	0,145	345,856	249,2858	1371,5430
52	52	COMB3	Combination	-1,980	-0,145	-294,144	-238,2187	-1947,5430
53	52	COMB3	Combination	1,200	0,262	505,856	202,9965	1995,5430
53	53	COMB3	Combination	-1,200	-0,262	-454,144	-199,8549	-2491,5430
54	53	COMB3	Combination	3,037	0,078	-38,144	177,2504	2315,5430
54	54	COMB3	Combination	-3,037	-0,078	89,856	-173,2128	-2427,5430
55	54	COMB3	Combination	3,105	0,090	-214,144	166,0849	2267,5430
55	55	COMB3	Combination	-3,105	-0,090	265,856	-139,8695	-2011,5430
56	55	COMB3	Combination	2,830	-0,059	-294,144	129,2841	1963,5430
56	56	COMB3	Combination	-2,830	0,059	345,856	-133,2841	-1499,5430
57	56	COMB3	Combination	2,341	-0,164	-518,144	154,8510	1595,5430
57	57	COMB3	Combination	-2,341	0,164	569,856	-153,4535	-955,5430
58	57	COMB3	Combination	2,728	-0,148	-198,144	127,9577	1035,5430
58	58	COMB3	Combination	-2,728	0,148	249,856	-127,7143	-731,5430
59	58	COMB3	Combination	1,541	-0,137	-150,144	129,3080	827,5430
59	59	COMB3	Combination	-1,541	0,137	201,856	-109,3344	-507,5430
60	59	COMB3	Combination	1,290	-0,090	-502,144	106,8654	507,5430
60	18	COMB3	Combination	-1,290	0,090	553,856	-97,4838	164,4570
94	60	COMB3	Combination	-263,339	-527,474	14,063	-2,6367	-0,0015
94	87	COMB3	Combination	263,339	555,599	14,062	2,6367	0,0015
95	87	COMB3	Combination	-260,255	-555,599	14,063	-2,6367	-0,0015
95	88	COMB3	Combination	260,255	583,724	14,062	2,6367	0,0015
96	88	COMB3	Combination	-256,375	-583,724	14,063	-2,6367	-0,0015
96	89	COMB3	Combination	256,375	611,849	14,062	2,6367	0,0015
97	89	COMB3	Combination	-253,308	-611,849	14,063	-2,6367	-0,0015
97	64	COMB3	Combination	253,308	639,974	14,062	2,6367	0,0015
98	64	COMB3	Combination	70,650	-686,515	12,664	-2,1519	-0,0096
98	90	COMB3	Combination	-70,650	711,897	12,717	2,1427	0,0060
99	90	COMB3	Combination	72,022	-711,897	12,663	-2,1521	-0,0060
99	91	COMB3	Combination	-72,022	737,278	12,718	2,1425	0,0023
100	91	COMB3	Combination	73,398	-737,278	12,662	-2,1522	-0,0023
100	92	COMB3	Combination	-73,398	762,660	12,719	2,1423	-0,0015
101	92	COMB3	Combination	74,867	-762,660	12,661	-2,1524	0,0015
101	93	COMB3	Combination	-74,867	788,041	12,720	2,1422	-0,0054
102	93	COMB3	Combination	76,288	-788,041	12,660	-2,1526	0,0054
102	94	COMB3	Combination	-76,288	813,423	12,721	2,1420	-0,0093
103	94	COMB3	Combination	77,280	-813,423	12,659	-2,1527	0,0093

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

Frame	Joint	OutputCase	CaseType	F1	F2	F3	M1	M2
				KN	KN	KN	KN-m	KN-m
103	61	COMB3	Combination	-77,280	838,804	12,722	2,1418	-0,0133
104	63	COMB3	Combination	263,339	-527,474	14,062	-2,6367	-0,0014
104	95	COMB3	Combination	-263,339	555,599	14,063	2,6367	0,0014
105	95	COMB3	Combination	260,255	-555,599	14,062	-2,6367	-0,0014
105	96	COMB3	Combination	-260,255	583,724	14,063	2,6367	0,0014
106	96	COMB3	Combination	256,375	-583,724	14,062	-2,6367	-0,0014
106	97	COMB3	Combination	-256,375	611,849	14,063	2,6367	0,0014
107	97	COMB3	Combination	253,308	-611,849	14,062	-2,6367	-0,0014
107	65	COMB3	Combination	-253,308	639,974	14,063	2,6367	0,0014
108	65	COMB3	Combination	-70,650	-686,515	12,716	-2,1430	-0,0093
108	98	COMB3	Combination	70,650	711,897	12,665	2,1519	0,0058
109	98	COMB3	Combination	-72,022	-711,897	12,717	-2,1429	-0,0058
109	99	COMB3	Combination	72,022	737,278	12,664	2,1521	0,0022
110	99	COMB3	Combination	-73,397	-737,278	12,718	-2,1427	-0,0022
110	100	COMB3	Combination	73,397	762,660	12,663	2,1523	-0,0015
111	100	COMB3	Combination	-74,867	-762,660	12,719	-2,1426	0,0015
111	101	COMB3	Combination	74,867	788,041	12,662	2,1524	-0,0052
112	101	COMB3	Combination	-76,288	-788,041	12,720	-2,1424	0,0052
112	102	COMB3	Combination	76,288	813,423	12,662	2,1526	-0,0090
113	102	COMB3	Combination	-77,280	-813,423	12,721	-2,1422	0,0090
113	62	COMB3	Combination	77,280	838,804	12,661	2,1527	-0,0128
114	61	COMB3	Combination	77,250	-427,610	25,788	0,0000	0,0133
114	103	COMB3	Combination	-77,250	489,666	36,267	0,0000	6,4896
115	103	COMB3	Combination	77,250	-237,202	31,086	0,0000	-6,4896
115	104	COMB3	Combination	-77,250	299,258	30,970	0,0000	6,4174
116	104	COMB3	Combination	77,250	-159,867	31,027	0,0000	-6,4174
116	105	COMB3	Combination	-77,250	221,923	31,029	0,0000	6,4182
117	105	COMB3	Combination	77,250	-83,217	31,028	0,0000	-6,4182
117	106	COMB3	Combination	-77,250	145,273	31,028	0,0000	6,4182
118	106	COMB3	Combination	77,250	-7,004	31,028	0,0000	-6,4182
118	107	COMB3	Combination	-77,250	69,060	31,028	0,0000	6,4182
119	107	COMB3	Combination	77,250	69,060	31,028	0,0000	-6,4182
119	108	COMB3	Combination	-77,250	-7,004	31,028	0,0000	6,4182
120	108	COMB3	Combination	77,250	145,273	31,028	0,0000	-6,4182
120	109	COMB3	Combination	-77,250	-83,217	31,028	0,0000	6,4182
121	109	COMB3	Combination	77,250	221,923	31,029	0,0000	-6,4182
121	110	COMB3	Combination	-77,250	-159,867	31,027	0,0000	6,4174
122	110	COMB3	Combination	77,250	299,258	30,970	0,0000	-6,4174
122	111	COMB3	Combination	-77,250	-237,202	31,086	0,0000	6,4893
123	111	COMB3	Combination	77,250	489,666	36,246	0,0000	-6,4893
123	62	COMB3	Combination	-77,250	-427,610	25,810	0,0000	0,0128
124	60	COMB3	Combination	263,052	527,474	10,306	0,0197	0,0015
124	112	COMB3	Combination	-263,052	-421,979	14,517	0,0092	2,5958
125	112	COMB3	Combination	263,052	421,979	12,421	0,0127	-2,5958
125	113	COMB3	Combination	-263,052	-316,484	12,401	0,0097	2,5670
126	113	COMB3	Combination	263,052	316,484	12,398	0,0067	-2,5670
126	114	COMB3	Combination	-263,052	-210,989	12,424	0,0093	2,5673
127	114	COMB3	Combination	263,052	210,989	12,398	0,0017	-2,5673
127	115	COMB3	Combination	-263,052	-105,495	12,424	0,0080	2,5673
128	115	COMB3	Combination	263,052	105,495	12,398	-0,0025	-2,5673
128	116	COMB3	Combination	-263,052	6,403E-07	12,424	0,0057	2,5673
129	116	COMB3	Combination	263,052	-6,404E-07	12,398	-0,0057	-2,5673
129	117	COMB3	Combination	-263,052	105,495	12,424	0,0025	2,5673
130	117	COMB3	Combination	263,052	-105,495	12,398	-0,0080	-2,5673
130	118	COMB3	Combination	-263,052	210,989	12,424	-0,0017	2,5673

<p>GENERAL CONTRACTOR</p>  <p>Censorzio Collegamenti Integrati Veloci</p>	<p>ALTA SORVEGLIANZA</p>  <p>GRUPPO FERROVIE DELLO STATO ITALIANE</p>
	<p>a301-00-d-cv-ro-gn00-0x-013-e00</p> <p>Foglio 239 di 289</p>

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

Frame	Joint	OutputCase	CaseType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
131	118	COMB3	Combination	263,052	-210,989	12,399	-0,0093	-2,5673
131	119	COMB3	Combination	-263,052	316,484	12,424	-0,0067	2,5670
132	119	COMB3	Combination	263,052	-316,484	12,375	-0,0097	-2,5670
132	120	COMB3	Combination	-263,052	421,979	12,447	-0,0127	2,5958
133	120	COMB3	Combination	263,052	-421,979	14,489	-0,0092	-2,5958
133	63	COMB3	Combination	-263,052	527,474	10,334	-0,0197	0,0014
134	64	COMB3	Combination	-322,175	46,542	3,879	-0,0234	0,0081
134	121	COMB3	Combination	322,175	-37,233	5,429	0,0259	0,9735
135	121	COMB3	Combination	-322,175	37,233	4,679	0,0019	-0,9735
135	122	COMB3	Combination	322,175	-27,925	4,630	6,702E-05	0,9626
136	122	COMB3	Combination	-322,175	27,925	4,670	0,0022	-0,9626
136	123	COMB3	Combination	322,175	-18,617	4,638	-8,140E-04	0,9627
137	123	COMB3	Combination	-322,175	18,617	4,670	0,0023	-0,9627
137	124	COMB3	Combination	322,175	-9,308	4,638	-0,0015	0,9627
138	124	COMB3	Combination	-322,175	9,308	4,670	0,0023	-0,9627
138	125	COMB3	Combination	322,175	-4,448E-07	4,638	-0,0020	0,9627
139	125	COMB3	Combination	-322,175	4,448E-07	4,670	0,0020	-0,9627
139	126	COMB3	Combination	322,175	9,308	4,638	-0,0023	0,9627
140	126	COMB3	Combination	-322,175	-9,308	4,670	0,0015	-0,9627
140	127	COMB3	Combination	322,175	18,617	4,638	-0,0023	0,9627
141	127	COMB3	Combination	-322,175	-18,617	4,670	8,140E-04	-0,9627
141	128	COMB3	Combination	322,175	27,925	4,638	-0,0022	0,9626
142	128	COMB3	Combination	-322,175	-27,925	4,661	-6,702E-05	-0,9626
142	129	COMB3	Combination	322,175	37,233	4,647	-0,0019	0,9733
143	129	COMB3	Combination	-322,175	-37,233	5,448	-0,0259	-0,9733
143	65	COMB3	Combination	322,175	46,542	3,860	0,0234	0,0079

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

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
1	1	COMB3	-2,0933	1
1	2	COMB3	1,4219	1
2	2	COMB3	-1,4248	2
2	3	COMB3	0,8242	2
3	3	COMB3	-0,8564	3
3	4	COMB3	0,4922	3
4	4	COMB3	-0,3618	4
4	5	COMB3	0,0820	4
5	5	COMB3	-0,0918	5
5	6	COMB3	-0,2383	5
6	6	COMB3	0,2446	6
6	7	COMB3	-0,4766	6
7	7	COMB3	0,4878	7
7	8	COMB3	-0,5469	7
8	8	COMB3	0,5713	8
8	9	COMB3	-0,6641	8
9	9	COMB3	0,6680	9
9	10	COMB3	-0,7773	9
10	10	COMB3	0,7915	10
10	11	COMB3	-0,9258	10
11	11	COMB3	0,9292	11
11	12	COMB3	-1,0898	11
12	12	COMB3	1,0513	12

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
12	13	COMB3	-1,0859	12
13	13	COMB3	1,3262	13
13	14	COMB3	-0,1680	13
14	14	COMB3	-0,0068	14
14	15	COMB3	0,9570	14
15	15	COMB3	-0,9727	15
15	16	COMB3	1,7148	15
16	16	COMB3	-1,4043	16
16	17	COMB3	1,8633	16
17	17	COMB3	-2,0762	17
17	18	COMB3	1,9375	17
18	18	COMB3	-1,9590	18
18	19	COMB3	1,6641	18
19	19	COMB3	-1,6123	19
19	20	COMB3	1,2656	19
20	20	COMB3	-1,5332	20
20	21	COMB3	0,7070	20
21	21	COMB3	-0,8428	21
21	22	COMB3	0,8008	21
22	22	COMB3	-0,8584	22
22	23	COMB3	0,0508	22
23	23	COMB3	-0,1162	23
23	24	COMB3	-0,6758	23
24	24	COMB3	0,4014	24
24	25	COMB3	-1,4180	24
25	25	COMB3	1,5034	25
25	26	COMB3	-1,2930	25
26	26	COMB3	1,3022	26
26	27	COMB3	-1,1094	26
27	27	COMB3	1,1104	27
27	28	COMB3	-0,9141	27
28	28	COMB3	0,9448	28
28	29	COMB3	-0,7227	28
29	29	COMB3	0,7231	29
29	30	COMB3	-0,5234	29
30	30	COMB3	0,4858	30
30	31	COMB3	-0,2656	30
31	31	COMB3	0,2773	31
31	32	COMB3	0,0000	31
32	32	COMB3	0,0830	32
32	33	COMB3	0,2578	32
33	33	COMB3	-0,2686	33
33	34	COMB3	0,6055	33
34	34	COMB3	-0,6421	34
34	35	COMB3	0,8672	34
35	35	COMB3	-0,8857	35
35	36	COMB3	1,0625	35
36	36	COMB3	-1,0107	36
36	37	COMB3	1,2344	36
37	37	COMB3	-1,1846	37
37	38	COMB3	0,8906	37
38	38	COMB3	-1,1182	38
38	39	COMB3	0,9961	38
39	39	COMB3	-0,8926	39
39	40	COMB3	0,8789	39

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
40	40	COMB3	-0,7910	40
40	41	COMB3	0,2188	40
41	41	COMB3	-0,2432	41
41	42	COMB3	-0,8945	41
42	42	COMB3	0,6738	42
42	43	COMB3	-1,8867	42
43	43	COMB3	1,7656	43
43	44	COMB3	-3,1133	43
44	44	COMB3	2,4297	44
44	45	COMB3	-2,1055	44
45	45	COMB3	2,1758	45
45	46	COMB3	-1,7695	45
46	46	COMB3	1,8428	46
46	47	COMB3	-0,6641	46
47	47	COMB3	0,4941	47
47	48	COMB3	0,7500	47
48	48	COMB3	-0,6787	48
48	1	COMB3	1,9922	48
49	44	COMB3	1,0581	49
49	49	COMB3	-0,8125	49
50	49	COMB3	0,7959	50
50	50	COMB3	-0,6094	50
51	50	COMB3	0,6060	51
51	51	COMB3	-0,3125	51
52	51	COMB3	0,2524	52
52	52	COMB3	-0,0586	52
53	52	COMB3	0,0479	53
53	53	COMB3	0,2188	53
54	53	COMB3	-0,2427	54
54	54	COMB3	0,3477	54
55	54	COMB3	-0,3354	55
55	55	COMB3	0,4844	55
56	55	COMB3	-0,4028	56
56	56	COMB3	0,3516	56
57	56	COMB3	-0,3652	57
57	57	COMB3	0,2070	57
58	57	COMB3	-0,1914	58
58	58	COMB3	0,0469	58
59	58	COMB3	-0,0610	59
59	59	COMB3	-0,0898	59
60	59	COMB3	0,0962	60
60	18	COMB3	-0,1914	60
94	60	COMB3	-966,1415	61
94	87	COMB3	669,8853	61
95	87	COMB3	-669,8853	62
95	88	COMB3	377,0983	62
96	88	COMB3	-377,0983	63
96	89	COMB3	88,6767	63
97	89	COMB3	-88,6767	64
97	64	COMB3	-196,2950	64
98	64	COMB3	173,9616	65
98	90	COMB3	-102,2341	65
99	90	COMB3	102,2341	66
99	91	COMB3	-29,1130	66
100	91	COMB3	29,1130	67

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
100	92	COMB3	45,4042	67
101	92	COMB3	-45,4042	68
101	93	COMB3	121,4131	68
102	93	COMB3	-121,4131	69
102	94	COMB3	198,8649	69
103	94	COMB3	-198,8649	70
103	61	COMB3	277,3240	70
104	63	COMB3	966,1415	71
104	95	COMB3	-669,8853	71
105	95	COMB3	669,8853	72
105	96	COMB3	-377,0983	72
106	96	COMB3	377,0983	73
106	97	COMB3	-88,6766	73
107	97	COMB3	88,6766	74
107	65	COMB3	196,2952	74
108	65	COMB3	-173,9618	75
108	98	COMB3	102,2343	75
109	98	COMB3	-102,2343	76
109	99	COMB3	29,1131	76
110	99	COMB3	-29,1131	77
110	100	COMB3	-45,4042	77
111	100	COMB3	45,4042	78
111	101	COMB3	-121,4132	78
112	101	COMB3	121,4132	79
112	102	COMB3	-198,8651	79
113	102	COMB3	198,8651	80
113	62	COMB3	-277,3243	80
114	61	COMB3	-277,3240	81
114	103	COMB3	-291,8979	81
115	103	COMB3	291,8979	82
115	104	COMB3	-624,8019	82
116	104	COMB3	624,8019	83
116	105	COMB3	-861,7246	83
117	105	COMB3	861,7246	84
117	106	COMB3	-1003,5157	84
118	106	COMB3	1003,5157	85
118	107	COMB3	-1050,7174	85
119	107	COMB3	1050,7174	86
119	108	COMB3	-1003,5157	86
120	108	COMB3	1003,5157	87
120	109	COMB3	-861,7244	87
121	109	COMB3	861,7244	88
121	110	COMB3	-624,8016	88
122	110	COMB3	624,8016	89
122	111	COMB3	-291,8977	89
123	111	COMB3	291,8977	90
123	62	COMB3	277,3243	90
124	60	COMB3	966,1415	91
124	112	COMB3	-376,9517	91
125	112	COMB3	376,9517	92
125	113	COMB3	81,3070	92
126	113	COMB3	-81,3070	93
126	114	COMB3	408,6347	93
127	114	COMB3	-408,6347	94
127	115	COMB3	605,0312	94

<p>GENERAL CONTRACTOR</p>  <p>Consorzio Collegamenti Integrati Veloci</p>	<p>ALTA SORVEGLIANZA</p>  <p>GRUPPO FERROVIE DELLO STATO ITALIANE</p>
	<p>a301-00-d-cv-ro-gn00-0x-013-e00</p> <p>Foglio 243 di 289</p>

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
128	115	COMB3	-605,0312	95
128	116	COMB3	670,4968	95
129	116	COMB3	-670,4968	96
129	117	COMB3	605,0312	96
130	117	COMB3	-605,0312	97
130	118	COMB3	408,6347	97
131	118	COMB3	-408,6347	98
131	119	COMB3	81,3070	98
132	119	COMB3	-81,3070	99
132	120	COMB3	-376,9517	99
133	120	COMB3	376,9517	100
133	63	COMB3	-966,1415	100
134	64	COMB3	22,3334	101
134	121	COMB3	29,6539	101
135	121	COMB3	-29,6539	102
135	122	COMB3	70,0885	102
136	122	COMB3	-70,0885	103
136	123	COMB3	98,9704	103
137	123	COMB3	-98,9704	104
137	124	COMB3	116,2995	104
138	124	COMB3	-116,2995	105
138	125	COMB3	122,0759	105
139	125	COMB3	-122,0759	106
139	126	COMB3	116,2995	106
140	126	COMB3	-116,2995	107
140	127	COMB3	98,9704	107
141	127	COMB3	-98,9704	108
141	128	COMB3	70,0885	108
142	128	COMB3	-70,0885	109
142	129	COMB3	29,6539	109
143	129	COMB3	-29,6539	110
143	65	COMB3	-22,3334	110

Table: Element Forces - Frames, Part 1 of 2

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
1	0,00000	COMB7	Combination	4,320	-1105,920	-0,473	190,0800	-2,1600
1	0,34475	COMB7	Combination	4,319	-1087,303	-0,473	190,0800	-1,9971
1	0,68951	COMB7	Combination	4,318	-1068,687	-0,473	190,0800	-1,8342
1	1,03426	COMB7	Combination	4,317	-1050,070	-0,473	190,0800	-1,6713
1	0,00000	COMB7bis	Combination	3,680	-942,080	-0,403	161,9200	-1,8400
1	0,34475	COMB7bis	Combination	3,679	-926,221	-0,403	161,9200	-1,7012
1	0,68951	COMB7bis	Combination	3,678	-910,363	-0,403	161,9200	-1,5625
1	1,03426	COMB7bis	Combination	3,678	-894,504	-0,403	161,9200	-1,4237
2	0,00000	COMB7	Combination	4,320	-1658,880	-0,540	129,6000	-1,5525
2	0,34475	COMB7	Combination	4,319	-1640,263	-0,540	129,6000	-1,3663
2	0,68951	COMB7	Combination	4,318	-1621,647	-0,540	129,6000	-1,1802
2	1,03426	COMB7	Combination	4,317	-1603,030	-0,540	129,6000	-0,9940

<p>GENERAL CONTRACTOR</p>  <p>Consorzio Collegamenti Integrati Veloci</p>	<p>ALTA SORVEGLIANZA</p>  <p>GRUPPO FERROVIE DELLO STATO ITALIANE</p>
	<p>a301-00-d-cv-ro-gn00-0x-013-e00</p> <p>Foglio 244 di 289</p>

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
2	0,00000	COMB7bis	Combination	3,680	-1413,120	-0,460	110,4000	-1,3225
2	0,34475	COMB7bis	Combination	3,679	-1397,261	-0,460	110,4000	-1,1639
2	0,68951	COMB7bis	Combination	3,678	-1381,403	-0,460	110,4000	-1,0053
2	1,03426	COMB7bis	Combination	3,678	-1365,544	-0,460	110,4000	-0,8467
3	0,00000	COMB7	Combination	2,160	0,000	-0,405	120,9600	-0,9113
3	0,34475	COMB7	Combination	2,159	18,617	-0,405	120,9600	-0,7716
3	0,68951	COMB7	Combination	2,158	37,233	-0,405	120,9600	-0,6320
3	1,03426	COMB7	Combination	2,157	55,850	-0,405	120,9600	-0,4924
3	0,00000	COMB7bis	Combination	1,840	0,000	-0,345	103,0400	-0,7763
3	0,34475	COMB7bis	Combination	1,839	15,859	-0,345	103,0400	-0,6573
3	0,68951	COMB7bis	Combination	1,838	31,717	-0,345	103,0400	-0,5384
3	1,03426	COMB7bis	Combination	1,838	47,576	-0,345	103,0400	-0,4194
4	0,00000	COMB7	Combination	4,320	-1658,880	-0,338	69,1200	-0,4050
4	0,34475	COMB7	Combination	4,319	-1640,263	-0,338	69,1200	-0,2886
4	0,68951	COMB7	Combination	4,318	-1621,647	-0,338	69,1200	-0,1723
4	1,03426	COMB7	Combination	4,317	-1603,030	-0,338	69,1200	-0,0559
4	0,00000	COMB7bis	Combination	3,680	-1413,120	-0,288	58,8800	-0,3450
4	0,34475	COMB7bis	Combination	3,679	-1397,261	-0,288	58,8800	-0,2459
4	0,68951	COMB7bis	Combination	3,678	-1381,403	-0,288	58,8800	-0,1468
4	1,03426	COMB7bis	Combination	3,678	-1365,544	-0,288	58,8800	-0,0476
5	0,00000	COMB7	Combination	3,240	0,000	-0,338	69,1200	-0,0844
5	0,34475	COMB7	Combination	3,239	18,617	-0,338	69,1200	0,0320
5	0,68951	COMB7	Combination	3,238	37,233	-0,338	69,1200	0,1483
5	1,03426	COMB7	Combination	3,237	55,850	-0,338	69,1200	0,2647
5	0,00000	COMB7bis	Combination	2,760	0,000	-0,288	58,8800	-0,0719
5	0,34475	COMB7bis	Combination	2,759	15,859	-0,288	58,8800	0,0272
5	0,68951	COMB7bis	Combination	2,758	31,717	-0,288	58,8800	0,1264
5	1,03426	COMB7bis	Combination	2,758	47,576	-0,288	58,8800	0,2255
6	0,00000	COMB7	Combination	2,160	-552,960	-0,203	69,1200	0,3038
6	0,34475	COMB7	Combination	2,159	-534,343	-0,203	69,1200	0,3736
6	0,68951	COMB7	Combination	2,158	-515,727	-0,203	69,1200	0,4434
6	1,03426	COMB7	Combination	2,157	-497,110	-0,203	69,1200	0,5132
6	0,00000	COMB7bis	Combination	1,840	-471,040	-0,173	58,8800	0,2588
6	0,34475	COMB7bis	Combination	1,839	-455,181	-0,173	58,8800	0,3182
6	0,68951	COMB7bis	Combination	1,838	-439,323	-0,173	58,8800	0,3777
6	1,03426	COMB7bis	Combination	1,838	-423,464	-0,173	58,8800	0,4372
7	0,00000	COMB7	Combination	1,080	1382,400	-0,101	34,5600	0,4725
7	0,34475	COMB7	Combination	1,079	1401,017	-0,101	34,5600	0,5074
7	0,68951	COMB7	Combination	1,078	1419,633	-0,101	34,5600	0,5423
7	1,03426	COMB7	Combination	1,077	1438,250	-0,101	34,5600	0,5772
7	0,00000	COMB7bis	Combination	0,920	1177,600	-0,086	29,4400	0,4025
7	0,34475	COMB7bis	Combination	0,919	1193,459	-0,086	29,4400	0,4322
7	0,68951	COMB7bis	Combination	0,918	1209,317	-0,086	29,4400	0,4620
7	1,03426	COMB7bis	Combination	0,918	1225,176	-0,086	29,4400	0,4917
8	0,00000	COMB7	Combination	0,000	829,440	-0,101	34,5600	0,6244
8	0,34475	COMB7	Combination	-9,127E-04	848,057	-0,101	34,5600	0,6593
8	0,68951	COMB7	Combination	-1,825E-03	866,673	-0,101	34,5600	0,6942
8	1,03426	COMB7	Combination	-2,738E-03	885,290	-0,101	34,5600	0,7291
8	0,00000	COMB7bis	Combination	0,000	706,560	-0,086	29,4400	0,5319
8	0,34475	COMB7bis	Combination	-7,775E-04	722,419	-0,086	29,4400	0,5616
8	0,68951	COMB7bis	Combination	-1,555E-03	738,277	-0,086	29,4400	0,5913
8	1,03426	COMB7bis	Combination	-2,332E-03	754,136	-0,086	29,4400	0,6211
9	0,00000	COMB7	Combination	0,000	-276,480	-0,101	17,2800	0,7172
9	0,34475	COMB7	Combination	-9,127E-04	-257,863	-0,101	17,2800	0,7521
9	0,68951	COMB7	Combination	-1,825E-03	-239,247	-0,101	17,2800	0,7870

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
9	1,03426	COMB7	Combination	-2,738E-03	-220,630	-0,101	17,2800	0,8219
9	0,00000	COMB7bis	Combination	0,000	-235,520	-0,086	14,7200	0,6109
9	0,34475	COMB7bis	Combination	-7,775E-04	-219,661	-0,086	14,7200	0,6407
9	0,68951	COMB7bis	Combination	-1,555E-03	-203,803	-0,086	14,7200	0,6704
9	1,03426	COMB7bis	Combination	-2,332E-03	-187,944	-0,086	14,7200	0,7001
10	0,00000	COMB7	Combination	-2,160	552,960	-0,135	34,5600	0,8564
10	0,34475	COMB7	Combination	-2,161	571,577	-0,135	34,5600	0,9029
10	0,68951	COMB7	Combination	-2,162	590,193	-0,135	34,5600	0,9495
10	1,03426	COMB7	Combination	-2,163	608,810	-0,135	34,5600	0,9960
10	0,00000	COMB7bis	Combination	-1,840	471,040	-0,115	29,4400	0,7295
10	0,34475	COMB7bis	Combination	-1,841	486,899	-0,115	29,4400	0,7692
10	0,68951	COMB7bis	Combination	-1,842	502,757	-0,115	29,4400	0,8088
10	1,03426	COMB7bis	Combination	-1,842	518,616	-0,115	29,4400	0,8485
11	0,00000	COMB7	Combination	0,000	0,000	-0,148	43,2000	0,9935
11	0,34475	COMB7	Combination	-9,127E-04	18,617	-0,148	43,2000	1,0444
11	0,68951	COMB7	Combination	-1,825E-03	37,233	-0,148	43,2000	1,0953
11	1,03426	COMB7	Combination	-2,738E-03	55,850	-0,148	43,2000	1,1462
11	0,00000	COMB7bis	Combination	0,000	0,000	-0,126	36,8000	0,8463
11	0,34475	COMB7bis	Combination	-7,775E-04	15,859	-0,126	36,8000	0,8897
11	0,68951	COMB7bis	Combination	-1,555E-03	31,717	-0,126	36,8000	0,9331
11	1,03426	COMB7bis	Combination	-2,332E-03	47,576	-0,126	36,8000	0,9764
12	0,00000	COMB7	Combination	0,000	-552,960	-0,160	8,6400	1,1222
12	0,34475	COMB7	Combination	-9,127E-04	-534,343	-0,160	8,6400	1,1775
12	0,68951	COMB7	Combination	-1,825E-03	-515,727	-0,160	8,6400	1,2327
12	1,03426	COMB7	Combination	-2,738E-03	-497,110	-0,160	8,6400	1,2880
12	0,00000	COMB7bis	Combination	0,000	-471,040	-0,137	7,3600	0,9559
12	0,34475	COMB7bis	Combination	-7,775E-04	-455,181	-0,137	7,3600	1,0030
12	0,68951	COMB7bis	Combination	-1,555E-03	-439,323	-0,137	7,3600	1,0501
12	1,03426	COMB7bis	Combination	-2,332E-03	-423,464	-0,137	7,3600	1,0972
13	0,00000	COMB7	Combination	-0,203	-552,960	1,350	172,8000	1,2150
13	0,45421	COMB7	Combination	-0,199	-528,433	1,350	172,8000	0,6018
13	0,90842	COMB7	Combination	-0,196	-503,905	1,350	172,8000	-0,0114
13	0,00000	COMB7bis	Combination	-0,173	-471,040	1,150	147,2000	1,0350
13	0,45421	COMB7bis	Combination	-0,170	-450,146	1,150	147,2000	0,5127
13	0,90842	COMB7bis	Combination	-0,167	-429,253	1,150	147,2000	-0,0097
14	0,00000	COMB7	Combination	-0,473	-829,440	1,620	181,4400	0,1350
14	0,45421	COMB7	Combination	-0,469	-804,913	1,620	181,4400	-0,6008
14	0,90842	COMB7	Combination	-0,466	-780,385	1,620	181,4400	-1,3366
14	0,00000	COMB7bis	Combination	-0,403	-706,560	1,380	154,5600	0,1150
14	0,45421	COMB7bis	Combination	-0,400	-685,666	1,380	154,5600	-0,5118
14	0,90842	COMB7bis	Combination	-0,397	-664,773	1,380	154,5600	-1,1386
15	0,00000	COMB7	Combination	-0,473	-552,960	0,270	181,4400	-1,3500
15	0,45421	COMB7	Combination	-0,469	-528,433	0,270	181,4400	-1,4726
15	0,90842	COMB7	Combination	-0,466	-503,905	0,270	181,4400	-1,5953
15	0,00000	COMB7bis	Combination	-0,403	-471,040	0,230	154,5600	-1,1500
15	0,45421	COMB7bis	Combination	-0,400	-450,146	0,230	154,5600	-1,2545
15	0,90842	COMB7bis	Combination	-0,397	-429,253	0,230	154,5600	-1,3589
16	0,00000	COMB7	Combination	-0,405	-276,480	0,540	181,4400	-1,4850
16	0,45421	COMB7	Combination	-0,402	-251,953	0,540	181,4400	-1,7303
16	0,90842	COMB7	Combination	-0,399	-227,425	0,540	181,4400	-1,9755
16	0,00000	COMB7bis	Combination	-0,345	-235,520	0,460	154,5600	-1,2650
16	0,45421	COMB7bis	Combination	-0,342	-214,626	0,460	154,5600	-1,4739
16	0,90842	COMB7bis	Combination	-0,340	-193,733	0,460	154,5600	-1,6829
17	0,00000	COMB7	Combination	-0,270	-138,240	-0,270	207,3600	-2,4300
17	0,45421	COMB7	Combination	-0,267	-113,713	-0,270	207,3600	-2,3074

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
17	0,90842	COMB7	Combination	-0,264	-89,185	-0,270	207,3600	-2,1847
17	0,00000	COMB7bis	Combination	-0,230	-117,760	-0,230	176,6400	-2,0700
17	0,45421	COMB7bis	Combination	-0,227	-96,866	-0,230	176,6400	-1,9655
17	0,90842	COMB7bis	Combination	-0,225	-75,973	-0,230	176,6400	-1,8611
18	0,00000	COMB7	Combination	-0,203	380,160	-0,540	86,4000	-2,1600
18	0,43213	COMB7	Combination	-0,204	403,495	-0,540	86,4000	-1,9267
18	0,86425	COMB7	Combination	-0,205	426,830	-0,540	86,4000	-1,6933
18	0,00000	COMB7bis	Combination	-0,173	323,840	-0,460	73,6000	-1,8400
18	0,43213	COMB7bis	Combination	-0,173	343,718	-0,460	73,6000	-1,6412
18	0,86425	COMB7bis	Combination	-0,174	363,596	-0,460	73,6000	-1,4424
19	0,00000	COMB7	Combination	-0,304	358,560	-0,540	43,2000	-1,6200
19	0,43213	COMB7	Combination	-0,305	381,895	-0,540	43,2000	-1,3867
19	0,86425	COMB7	Combination	-0,306	405,230	-0,540	43,2000	-1,1533
19	0,00000	COMB7bis	Combination	-0,259	305,440	-0,460	36,8000	-1,3800
19	0,43213	COMB7bis	Combination	-0,260	325,318	-0,460	36,8000	-1,1812
19	0,86425	COMB7bis	Combination	-0,261	345,196	-0,460	36,8000	-0,9824
20	0,00000	COMB7	Combination	-0,270	380,160	-0,540	51,8400	-1,4850
20	0,43213	COMB7	Combination	-0,271	403,495	-0,540	51,8400	-1,2517
20	0,86425	COMB7	Combination	-0,272	426,830	-0,540	51,8400	-1,0183
20	0,00000	COMB7bis	Combination	-0,230	323,840	-0,460	44,1600	-1,2650
20	0,43213	COMB7bis	Combination	-0,231	343,718	-0,460	44,1600	-1,0662
20	0,86425	COMB7bis	Combination	-0,232	363,596	-0,460	44,1600	-0,8674
21	0,00000	COMB7	Combination	-0,270	483,840	0,000	43,2000	-0,6750
21	0,43213	COMB7	Combination	-0,271	507,175	0,000	43,2000	-0,6750
21	0,86425	COMB7	Combination	-0,272	530,510	0,000	43,2000	-0,6750
21	0,00000	COMB7bis	Combination	-0,230	412,160	0,000	36,8000	-0,5750
21	0,43213	COMB7bis	Combination	-0,231	432,038	0,000	36,8000	-0,5750
21	0,86425	COMB7bis	Combination	-0,232	451,916	0,000	36,8000	-0,5750
22	0,00000	COMB7	Combination	-0,270	829,440	-0,810	43,2000	-0,6075
22	0,43213	COMB7	Combination	-0,271	852,775	-0,810	43,2000	-0,2575
22	0,86425	COMB7	Combination	-0,272	876,110	-0,810	43,2000	0,0925
22	0,00000	COMB7bis	Combination	-0,230	706,560	-0,690	36,8000	-0,5175
22	0,43213	COMB7bis	Combination	-0,231	726,438	-0,690	36,8000	-0,2193
22	0,86425	COMB7bis	Combination	-0,232	746,316	-0,690	36,8000	0,0788
23	0,00000	COMB7	Combination	-0,236	414,720	-1,080	25,9200	-0,1350
23	0,43213	COMB7	Combination	-0,237	438,055	-1,080	25,9200	0,3317
23	0,86425	COMB7	Combination	-0,239	461,390	-1,080	25,9200	0,7984
23	0,00000	COMB7bis	Combination	-0,201	353,280	-0,920	22,0800	-0,1150
23	0,43213	COMB7bis	Combination	-0,202	373,158	-0,920	22,0800	0,2826
23	0,86425	COMB7bis	Combination	-0,203	393,036	-0,920	22,0800	0,6801
24	0,00000	COMB7	Combination	-0,270	552,960	-1,080	77,7600	0,4725
24	0,43213	COMB7	Combination	-0,271	576,295	-1,080	77,7600	0,9392
24	0,86425	COMB7	Combination	-0,272	599,630	-1,080	77,7600	1,4059
24	0,00000	COMB7bis	Combination	-0,230	471,040	-0,920	66,2400	0,4025
24	0,43213	COMB7bis	Combination	-0,231	490,918	-0,920	66,2400	0,8001
24	0,86425	COMB7bis	Combination	-0,232	510,796	-0,920	66,2400	1,1976
25	0,00000	COMB7	Combination	-1,080	-276,480	0,236	-285,1200	1,6411
25	0,34475	COMB7	Combination	-1,080	-257,864	0,236	-285,1200	1,5596
25	0,68949	COMB7	Combination	-1,080	-239,247	0,236	-285,1200	1,4782
25	1,03424	COMB7	Combination	-1,080	-220,631	0,236	-285,1200	1,3968
25	0,00000	COMB7bis	Combination	-0,920	-235,520	0,201	-242,8800	1,3980
25	0,34475	COMB7bis	Combination	-0,920	-219,662	0,201	-242,8800	1,3286
25	0,68949	COMB7bis	Combination	-0,920	-203,803	0,201	-242,8800	1,2592
25	1,03424	COMB7bis	Combination	-0,920	-187,945	0,201	-242,8800	1,1898
26	0,00000	COMB7	Combination	-1,080	0,000	0,211	-293,7600	1,4175

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
26	0,34475	COMB7	Combination	-1,080	18,616	0,211	-293,7600	1,3448
26	0,68949	COMB7	Combination	-1,080	37,233	0,211	-293,7600	1,2721
26	1,03424	COMB7	Combination	-1,080	55,849	0,211	-293,7600	1,1993
26	0,00000	COMB7bis	Combination	-0,920	0,000	0,180	-250,2400	1,2075
26	0,34475	COMB7bis	Combination	-0,920	15,858	0,180	-250,2400	1,1456
26	0,68949	COMB7bis	Combination	-0,920	31,717	0,180	-250,2400	1,0836
26	1,03424	COMB7bis	Combination	-0,920	47,575	0,180	-250,2400	1,0217
27	0,00000	COMB7	Combination	-1,080	-276,480	0,186	-311,0400	1,1813
27	0,34475	COMB7	Combination	-1,080	-257,864	0,186	-311,0400	1,1173
27	0,68949	COMB7	Combination	-1,080	-239,247	0,186	-311,0400	1,0533
27	1,03424	COMB7	Combination	-1,080	-220,631	0,186	-311,0400	0,9893
27	0,00000	COMB7bis	Combination	-0,920	-235,520	0,158	-264,9600	1,0063
27	0,34475	COMB7bis	Combination	-0,920	-219,662	0,158	-264,9600	0,9517
27	0,68949	COMB7bis	Combination	-0,920	-203,803	0,158	-264,9600	0,8972
27	1,03424	COMB7bis	Combination	-0,920	-187,945	0,158	-264,9600	0,8427
28	0,00000	COMB7	Combination	-1,080	-138,240	0,253	-371,5200	1,0294
28	0,34475	COMB7	Combination	-1,080	-119,624	0,253	-371,5200	0,9421
28	0,68949	COMB7	Combination	-1,080	-101,007	0,253	-371,5200	0,8548
28	1,03424	COMB7	Combination	-1,080	-82,391	0,253	-371,5200	0,7676
28	0,00000	COMB7bis	Combination	-0,920	-117,760	0,216	-316,4800	0,8769
28	0,34475	COMB7bis	Combination	-0,920	-101,902	0,216	-316,4800	0,8025
28	0,68949	COMB7bis	Combination	-0,920	-86,043	0,216	-316,4800	0,7282
28	1,03424	COMB7bis	Combination	-0,920	-70,185	0,216	-316,4800	0,6539
29	0,00000	COMB7	Combination	-1,080	-207,360	0,203	-345,6000	0,7594
29	0,34475	COMB7	Combination	-1,080	-188,744	0,203	-345,6000	0,6896
29	0,68949	COMB7	Combination	-1,080	-170,127	0,203	-345,6000	0,6198
29	1,03424	COMB7	Combination	-1,080	-151,511	0,203	-345,6000	0,5499
29	0,00000	COMB7bis	Combination	-0,920	-176,640	0,173	-294,4000	0,6469
29	0,34475	COMB7bis	Combination	-0,920	-160,782	0,173	-294,4000	0,5874
29	0,68949	COMB7bis	Combination	-0,920	-144,923	0,173	-294,4000	0,5279
29	1,03424	COMB7bis	Combination	-0,920	-129,065	0,173	-294,4000	0,4685
30	0,00000	COMB7	Combination	-1,080	-207,360	0,236	-380,1600	0,5400
30	0,34475	COMB7	Combination	-1,080	-188,744	0,236	-380,1600	0,4586
30	0,68949	COMB7	Combination	-1,080	-170,127	0,236	-380,1600	0,3771
30	1,03424	COMB7	Combination	-1,080	-151,511	0,236	-380,1600	0,2957
30	0,00000	COMB7bis	Combination	-0,920	-176,640	0,201	-323,8400	0,4600
30	0,34475	COMB7bis	Combination	-0,920	-160,782	0,201	-323,8400	0,3906
30	0,68949	COMB7bis	Combination	-0,920	-144,923	0,201	-323,8400	0,3212
30	1,03424	COMB7bis	Combination	-0,920	-129,065	0,201	-323,8400	0,2519
31	0,00000	COMB7	Combination	-1,620	0,000	0,270	-371,5200	0,2700
31	0,34475	COMB7	Combination	-1,620	18,616	0,270	-371,5200	0,1769
31	0,68949	COMB7	Combination	-1,620	37,233	0,270	-371,5200	0,0838
31	1,03424	COMB7	Combination	-1,620	55,849	0,270	-371,5200	-0,0092
31	0,00000	COMB7bis	Combination	-1,380	0,000	0,230	-316,4800	0,2300
31	0,34475	COMB7bis	Combination	-1,380	15,858	0,230	-316,4800	0,1507
31	0,68949	COMB7bis	Combination	-1,380	31,717	0,230	-316,4800	0,0714
31	1,03424	COMB7bis	Combination	-1,380	47,575	0,230	-316,4800	-0,0079
32	0,00000	COMB7	Combination	-1,080	-77,760	0,338	-388,8000	0,1350
32	0,34475	COMB7	Combination	-1,080	-59,144	0,338	-388,8000	0,0186
32	0,68949	COMB7	Combination	-1,080	-40,527	0,338	-388,8000	-0,0977
32	1,03424	COMB7	Combination	-1,080	-21,911	0,338	-388,8000	-0,2141
32	0,00000	COMB7bis	Combination	-0,920	-66,240	0,288	-331,2000	0,1150
32	0,34475	COMB7bis	Combination	-0,920	-50,382	0,288	-331,2000	0,0159
32	0,68949	COMB7bis	Combination	-0,920	-34,523	0,288	-331,2000	-0,0832
32	1,03424	COMB7bis	Combination	-0,920	-18,665	0,288	-331,2000	-0,1823

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
33	0,00000	COMB7	Combination	-1,080	0,000	0,270	-397,4400	-0,3038
33	0,34475	COMB7	Combination	-1,080	18,616	0,270	-397,4400	-0,3968
33	0,68949	COMB7	Combination	-1,080	37,233	0,270	-397,4400	-0,4899
33	1,03424	COMB7	Combination	-1,080	55,849	0,270	-397,4400	-0,5830
33	0,00000	COMB7bis	Combination	-0,920	0,000	0,230	-338,5600	-0,2588
33	0,34475	COMB7bis	Combination	-0,920	15,858	0,230	-338,5600	-0,3380
33	0,68949	COMB7bis	Combination	-0,920	31,717	0,230	-338,5600	-0,4173
33	1,03424	COMB7bis	Combination	-0,920	47,575	0,230	-338,5600	-0,4966
34	0,00000	COMB7	Combination	0,540	69,120	0,270	-406,0800	-0,7088
34	0,34475	COMB7	Combination	0,540	87,736	0,270	-406,0800	-0,8018
34	0,68949	COMB7	Combination	0,540	106,353	0,270	-406,0800	-0,8949
34	1,03424	COMB7	Combination	0,540	124,969	0,270	-406,0800	-0,9880
34	0,00000	COMB7bis	Combination	0,460	58,880	0,230	-345,9200	-0,6038
34	0,34475	COMB7bis	Combination	0,460	74,738	0,230	-345,9200	-0,6830
34	0,68949	COMB7bis	Combination	0,460	90,597	0,230	-345,9200	-0,7623
34	1,03424	COMB7bis	Combination	0,460	106,455	0,230	-345,9200	-0,8416
35	0,00000	COMB7	Combination	1,080	138,240	0,135	-406,0800	-0,9113
35	0,34475	COMB7	Combination	1,080	156,856	0,135	-406,0800	-0,9578
35	0,68949	COMB7	Combination	1,080	175,473	0,135	-406,0800	-1,0043
35	1,03424	COMB7	Combination	1,080	194,089	0,135	-406,0800	-1,0509
35	0,00000	COMB7bis	Combination	0,920	117,760	0,115	-345,9200	-0,7763
35	0,34475	COMB7bis	Combination	0,920	133,618	0,115	-345,9200	-0,8159
35	0,68949	COMB7bis	Combination	0,920	149,477	0,115	-345,9200	-0,8555
35	1,03424	COMB7bis	Combination	0,920	165,335	0,115	-345,9200	-0,8952
36	0,00000	COMB7	Combination	1,080	0,000	0,135	-432,0000	-1,1475
36	0,34475	COMB7	Combination	1,080	18,616	0,135	-432,0000	-1,1940
36	0,68949	COMB7	Combination	1,080	37,233	0,135	-432,0000	-1,2406
36	1,03424	COMB7	Combination	1,080	55,849	0,135	-432,0000	-1,2871
36	0,00000	COMB7bis	Combination	0,920	0,000	0,115	-368,0000	-0,9775
36	0,34475	COMB7bis	Combination	0,920	15,858	0,115	-368,0000	-1,0171
36	0,68949	COMB7bis	Combination	0,920	31,717	0,115	-368,0000	-1,0568
36	1,03424	COMB7bis	Combination	0,920	47,575	0,115	-368,0000	-1,0964
37	0,00000	COMB7	Combination	0,270	0,000	0,000	613,4400	-1,1475
37	0,43214	COMB7	Combination	0,271	23,336	0,000	613,4400	-1,1475
37	0,86429	COMB7	Combination	0,272	46,671	0,000	613,4400	-1,1475
37	0,00000	COMB7bis	Combination	0,230	0,000	0,000	522,5600	-0,9775
37	0,43214	COMB7bis	Combination	0,231	19,879	0,000	522,5600	-0,9775
37	0,86429	COMB7bis	Combination	0,232	39,757	0,000	522,5600	-0,9775
38	0,00000	COMB7	Combination	0,540	276,480	0,270	596,1600	-0,9450
38	0,43214	COMB7	Combination	0,541	299,816	0,270	596,1600	-1,0617
38	0,86429	COMB7	Combination	0,542	323,151	0,270	596,1600	-1,1784
38	0,00000	COMB7bis	Combination	0,460	235,520	0,230	507,8400	-0,8050
38	0,43214	COMB7bis	Combination	0,461	255,399	0,230	507,8400	-0,9044
38	0,86429	COMB7bis	Combination	0,462	275,277	0,230	507,8400	-1,0038
39	0,00000	COMB7	Combination	0,000	276,480	-0,270	587,5200	-1,0800
39	0,43214	COMB7	Combination	1,151E-03	299,816	-0,270	587,5200	-0,9633
39	0,86429	COMB7	Combination	2,302E-03	323,151	-0,270	587,5200	-0,8466
39	0,00000	COMB7bis	Combination	0,000	235,520	-0,230	500,4800	-0,9200
39	0,43214	COMB7bis	Combination	9,804E-04	255,399	-0,230	500,4800	-0,8206
39	0,86429	COMB7bis	Combination	1,961E-03	275,277	-0,230	500,4800	-0,7212
40	0,00000	COMB7	Combination	-0,540	-276,480	-0,540	578,8800	-1,0800
40	0,43214	COMB7	Combination	-0,539	-253,144	-0,540	578,8800	-0,8466
40	0,86429	COMB7	Combination	-0,538	-229,809	-0,540	578,8800	-0,6133
40	0,00000	COMB7bis	Combination	-0,460	-235,520	-0,460	493,1200	-0,9200
40	0,43214	COMB7bis	Combination	-0,459	-215,641	-0,460	493,1200	-0,7212

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
40	0,86429	COMB7bis	Combination	-0,458	-195,763	-0,460	493,1200	-0,5224
41	0,00000	COMB7	Combination	-1,620	276,480	-1,620	561,6000	-0,2700
41	0,43214	COMB7	Combination	-1,619	299,816	-1,620	561,6000	0,4301
41	0,86429	COMB7	Combination	-1,618	323,151	-1,620	561,6000	1,1301
41	0,00000	COMB7bis	Combination	-1,380	235,520	-1,380	478,4000	-0,2300
41	0,43214	COMB7bis	Combination	-1,379	255,399	-1,380	478,4000	0,3664
41	0,86429	COMB7bis	Combination	-1,378	275,277	-1,380	478,4000	0,9627
42	0,00000	COMB7	Combination	-0,810	276,480	-1,620	561,6000	0,5400
42	0,43214	COMB7	Combination	-0,809	299,816	-1,620	561,6000	1,2401
42	0,86429	COMB7	Combination	-0,808	323,151	-1,620	561,6000	1,9401
42	0,00000	COMB7bis	Combination	-0,690	235,520	-1,380	478,4000	0,4600
42	0,43214	COMB7bis	Combination	-0,689	255,399	-1,380	478,4000	1,0564
42	0,86429	COMB7bis	Combination	-0,688	275,277	-1,380	478,4000	1,6527
43	0,00000	COMB7	Combination	-0,270	1105,920	-1,350	544,3200	2,0250
43	0,43214	COMB7	Combination	-0,269	1129,256	-1,350	544,3200	2,6084
43	0,86429	COMB7	Combination	-0,268	1152,591	-1,350	544,3200	3,1918
43	0,00000	COMB7bis	Combination	-0,230	942,080	-1,150	463,6800	1,7250
43	0,43214	COMB7bis	Combination	-0,229	961,959	-1,150	463,6800	2,2220
43	0,86429	COMB7bis	Combination	-0,228	981,837	-1,150	463,6800	2,7189
44	0,00000	COMB7	Combination	0,000	-552,960	0,270	95,0400	2,5650
44	0,45415	COMB7	Combination	6,307E-05	-528,436	0,270	95,0400	2,4424
44	0,90831	COMB7	Combination	1,261E-04	-503,911	0,270	95,0400	2,3198
44	0,00000	COMB7bis	Combination	0,000	-471,040	0,230	80,9600	2,1850
44	0,45415	COMB7bis	Combination	5,373E-05	-450,149	0,230	80,9600	2,0805
44	0,90831	COMB7bis	Combination	1,075E-04	-429,258	0,230	80,9600	1,9761
45	0,00000	COMB7	Combination	-0,270	0,000	0,810	120,9600	2,5650
45	0,45415	COMB7	Combination	-0,270	24,524	0,810	120,9600	2,1971
45	0,90831	COMB7	Combination	-0,270	49,049	0,810	120,9600	1,8293
45	0,00000	COMB7bis	Combination	-0,230	0,000	0,690	103,0400	2,1850
45	0,45415	COMB7bis	Combination	-0,230	20,891	0,690	103,0400	1,8716
45	0,90831	COMB7bis	Combination	-0,230	41,782	0,690	103,0400	1,5583
46	0,00000	COMB7	Combination	0,540	0,000	1,080	120,9600	1,7550
46	0,45415	COMB7	Combination	0,540	24,524	1,080	120,9600	1,2645
46	0,90831	COMB7	Combination	0,540	49,049	1,080	120,9600	0,7740
46	0,00000	COMB7bis	Combination	0,460	0,000	0,920	103,0400	1,4950
46	0,45415	COMB7bis	Combination	0,460	20,891	0,920	103,0400	1,0772
46	0,90831	COMB7bis	Combination	0,460	41,782	0,920	103,0400	0,6594
47	0,00000	COMB7	Combination	1,350	0,000	1,890	95,0400	0,9450
47	0,45415	COMB7	Combination	1,350	24,524	1,890	95,0400	0,0866
47	0,90831	COMB7	Combination	1,350	49,049	1,890	95,0400	-0,7717
47	0,00000	COMB7bis	Combination	1,150	0,000	1,610	80,9600	0,8050
47	0,45415	COMB7bis	Combination	1,150	20,891	1,610	80,9600	0,0738
47	0,90831	COMB7bis	Combination	1,150	41,782	1,610	80,9600	-0,6574
48	0,00000	COMB7	Combination	0,540	552,960	1,080	-25,9200	-1,0800
48	0,45415	COMB7	Combination	0,540	577,484	1,080	-25,9200	-1,5705
48	0,90831	COMB7	Combination	0,540	602,009	1,080	-25,9200	-2,0610
48	0,00000	COMB7bis	Combination	0,460	471,040	0,920	-22,0800	-0,9200
48	0,45415	COMB7bis	Combination	0,460	491,931	0,920	-22,0800	-1,3378
48	0,90831	COMB7bis	Combination	0,460	512,822	0,920	-22,0800	-1,7556
49	0,00000	COMB7	Combination	-1,620	-829,440	0,203	-241,9200	1,1138
49	0,34475	COMB7	Combination	-1,620	-810,823	0,203	-241,9200	1,0439
49	0,68950	COMB7	Combination	-1,620	-792,207	0,203	-241,9200	0,9741
49	1,03425	COMB7	Combination	-1,620	-773,590	0,203	-241,9200	0,9043
49	0,00000	COMB7bis	Combination	-1,380	-706,560	0,173	-206,0800	0,9488
49	0,34475	COMB7bis	Combination	-1,380	-690,701	0,173	-206,0800	0,8893

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P	V2	V3	T	M2
				KN	KN	KN	KN-m	KN-m
49	0,68950	COMB7bis	Combination	-1,380	-674,843	0,173	-206,0800	0,8298
49	1,03425	COMB7bis	Combination	-1,380	-658,984	0,173	-206,0800	0,7703
50	0,00000	COMB7	Combination	-2,160	-829,440	0,203	-259,2000	0,8438
50	0,34475	COMB7	Combination	-2,160	-810,823	0,203	-259,2000	0,7739
50	0,68950	COMB7	Combination	-2,160	-792,207	0,203	-259,2000	0,7041
50	1,03425	COMB7	Combination	-2,160	-773,590	0,203	-259,2000	0,6343
50	0,00000	COMB7bis	Combination	-1,840	-706,560	0,173	-220,8000	0,7188
50	0,34475	COMB7bis	Combination	-1,840	-690,701	0,173	-220,8000	0,6593
50	0,68950	COMB7bis	Combination	-1,840	-674,843	0,173	-220,8000	0,5998
50	1,03425	COMB7bis	Combination	-1,840	-658,984	0,173	-220,8000	0,5403
51	0,00000	COMB7	Combination	-1,080	-552,960	0,270	-267,8400	0,6075
51	0,34475	COMB7	Combination	-1,080	-534,343	0,270	-267,8400	0,5144
51	0,68950	COMB7	Combination	-1,080	-515,727	0,270	-267,8400	0,4213
51	1,03425	COMB7	Combination	-1,080	-497,110	0,270	-267,8400	0,3283
51	0,00000	COMB7bis	Combination	-0,920	-471,040	0,230	-228,1600	0,5175
51	0,34475	COMB7bis	Combination	-0,920	-455,181	0,230	-228,1600	0,4382
51	0,68950	COMB7bis	Combination	-0,920	-439,323	0,230	-228,1600	0,3589
51	1,03425	COMB7bis	Combination	-0,920	-423,464	0,230	-228,1600	0,2796
52	0,00000	COMB7	Combination	-3,780	-829,440	0,270	-241,9200	0,3038
52	0,34475	COMB7	Combination	-3,780	-810,823	0,270	-241,9200	0,2107
52	0,68950	COMB7	Combination	-3,780	-792,207	0,270	-241,9200	0,1176
52	1,03425	COMB7	Combination	-3,780	-773,590	0,270	-241,9200	0,0245
52	0,00000	COMB7bis	Combination	-3,220	-706,560	0,230	-206,0800	0,2588
52	0,34475	COMB7bis	Combination	-3,220	-690,701	0,230	-206,0800	0,1795
52	0,68950	COMB7bis	Combination	-3,220	-674,843	0,230	-206,0800	0,1002
52	1,03425	COMB7bis	Combination	-3,220	-658,984	0,230	-206,0800	0,0209
53	0,00000	COMB7	Combination	0,000	-276,480	0,203	-224,6400	0,0338
53	0,34475	COMB7	Combination	0,000	-257,863	0,203	-224,6400	-0,0361
53	0,68950	COMB7	Combination	0,000	-239,247	0,203	-224,6400	-0,1059
53	1,03425	COMB7	Combination	0,000	-220,630	0,203	-224,6400	-0,1757
53	0,00000	COMB7bis	Combination	0,000	-235,520	0,173	-191,3600	0,0288
53	0,34475	COMB7bis	Combination	0,000	-219,661	0,173	-191,3600	-0,0307
53	0,68950	COMB7bis	Combination	0,000	-203,803	0,173	-191,3600	-0,0902
53	1,03425	COMB7bis	Combination	0,000	-187,944	0,173	-191,3600	-0,1497
54	0,00000	COMB7	Combination	-1,620	-276,480	0,135	-172,8000	-0,3038
54	0,34475	COMB7	Combination	-1,620	-257,863	0,135	-172,8000	-0,3503
54	0,68950	COMB7	Combination	-1,620	-239,247	0,135	-172,8000	-0,3968
54	1,03425	COMB7	Combination	-1,620	-220,630	0,135	-172,8000	-0,4434
54	0,00000	COMB7bis	Combination	-1,380	-235,520	0,115	-147,2000	-0,2588
54	0,34475	COMB7bis	Combination	-1,380	-219,661	0,115	-147,2000	-0,2984
54	0,68950	COMB7bis	Combination	-1,380	-203,803	0,115	-147,2000	-0,3380
54	1,03425	COMB7bis	Combination	-1,380	-187,944	0,115	-147,2000	-0,3777
55	0,00000	COMB7	Combination	-3,780	414,720	0,101	-164,1600	-0,3544
55	0,34475	COMB7	Combination	-3,780	433,337	0,101	-164,1600	-0,3893
55	0,68950	COMB7	Combination	-3,780	451,953	0,101	-164,1600	-0,4242
55	1,03425	COMB7	Combination	-3,780	470,570	0,101	-164,1600	-0,4591
55	0,00000	COMB7bis	Combination	-3,220	353,280	0,086	-139,8400	-0,3019
55	0,34475	COMB7bis	Combination	-3,220	369,139	0,086	-139,8400	-0,3316
55	0,68950	COMB7bis	Combination	-3,220	384,997	0,086	-139,8400	-0,3613
55	1,03425	COMB7bis	Combination	-3,220	400,856	0,086	-139,8400	-0,3911
56	0,00000	COMB7	Combination	-2,700	414,720	-0,135	-155,5200	-0,4556
56	0,34475	COMB7	Combination	-2,700	433,337	-0,135	-155,5200	-0,4091
56	0,68950	COMB7	Combination	-2,700	451,953	-0,135	-155,5200	-0,3625
56	1,03425	COMB7	Combination	-2,700	470,570	-0,135	-155,5200	-0,3160
56	0,00000	COMB7bis	Combination	-2,300	353,280	-0,115	-132,4800	-0,3881

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
56	0,34475	COMB7bis	Combination	-2,300	369,139	-0,115	-132,4800	-0,3485
56	0,68950	COMB7bis	Combination	-2,300	384,997	-0,115	-132,4800	-0,3088
56	1,03425	COMB7bis	Combination	-2,300	400,856	-0,115	-132,4800	-0,2692
57	0,00000	COMB7	Combination	-3,780	414,720	-0,101	-155,5200	-0,3544
57	0,34475	COMB7	Combination	-3,780	433,337	-0,101	-155,5200	-0,3195
57	0,68950	COMB7	Combination	-3,780	451,953	-0,101	-155,5200	-0,2846
57	1,03425	COMB7	Combination	-3,780	470,570	-0,101	-155,5200	-0,2497
57	0,00000	COMB7bis	Combination	-3,220	353,280	-0,086	-132,4800	-0,3019
57	0,34475	COMB7bis	Combination	-3,220	369,139	-0,086	-132,4800	-0,2721
57	0,68950	COMB7bis	Combination	-3,220	384,997	-0,086	-132,4800	-0,2424
57	1,03425	COMB7bis	Combination	-3,220	400,856	-0,086	-132,4800	-0,2127
58	0,00000	COMB7	Combination	-3,240	276,480	-0,169	-138,2400	-0,2025
58	0,34475	COMB7	Combination	-3,240	295,097	-0,169	-138,2400	-0,1443
58	0,68950	COMB7	Combination	-3,240	313,713	-0,169	-138,2400	-0,0861
58	1,03425	COMB7	Combination	-3,240	332,330	-0,169	-138,2400	-0,0280
58	0,00000	COMB7bis	Combination	-2,760	235,520	-0,144	-117,7600	-0,1725
58	0,34475	COMB7bis	Combination	-2,760	251,379	-0,144	-117,7600	-0,1229
58	0,68950	COMB7bis	Combination	-2,760	267,237	-0,144	-117,7600	-0,0734
58	1,03425	COMB7bis	Combination	-2,760	283,096	-0,144	-117,7600	-0,0238
59	0,00000	COMB7	Combination	-2,700	345,600	-0,135	-112,3200	-0,0675
59	0,34475	COMB7	Combination	-2,700	364,217	-0,135	-112,3200	-0,0210
59	0,68950	COMB7	Combination	-2,700	382,833	-0,135	-112,3200	0,0256
59	1,03425	COMB7	Combination	-2,700	401,450	-0,135	-112,3200	0,0721
59	0,00000	COMB7bis	Combination	-2,300	294,400	-0,115	-95,6800	-0,0575
59	0,34475	COMB7bis	Combination	-2,300	310,259	-0,115	-95,6800	-0,0179
59	0,68950	COMB7bis	Combination	-2,300	326,117	-0,115	-95,6800	0,0218
59	1,03425	COMB7bis	Combination	-2,300	341,976	-0,115	-95,6800	0,0614
60	0,00000	COMB7	Combination	0,000	622,080	-0,034	-112,3200	0,1013
60	0,34475	COMB7	Combination	0,000	640,697	-0,034	-112,3200	0,1129
60	0,68950	COMB7	Combination	0,000	659,313	-0,034	-112,3200	0,1245
60	1,03425	COMB7	Combination	0,000	677,930	-0,034	-112,3200	0,1362
60	0,00000	COMB7bis	Combination	0,000	529,920	-0,029	-95,6800	0,0863
60	0,34475	COMB7bis	Combination	0,000	545,779	-0,029	-95,6800	0,0962
60	0,68950	COMB7bis	Combination	0,000	561,637	-0,029	-95,6800	0,1061
60	1,03425	COMB7bis	Combination	0,000	577,496	-0,029	-95,6800	0,1160
94	0,40000	COMB7	Combination	-580,468	-343,089	4,388	5,687E-05	-1,0673
94	0,76250	COMB7	Combination	-590,256	-326,871	-5,400	5,687E-05	-0,8838
94	1,12500	COMB7	Combination	-600,043	-309,355	-15,187	5,687E-05	2,8477
94	0,40000	COMB7bis	Combination	-494,472	-300,900	3,738	2,995E-04	-0,9092
94	0,76250	COMB7bis	Combination	-502,810	-284,682	-4,600	2,995E-04	-0,7529
94	1,12500	COMB7bis	Combination	-511,147	-267,166	-12,937	2,995E-04	2,4258
95	0,00000	COMB7	Combination	-600,043	-307,054	15,188	5,687E-05	2,8477
95	0,37500	COMB7	Combination	-610,168	-287,915	5,063	5,687E-05	-0,9492
95	0,75000	COMB7	Combination	-620,293	-268,082	-5,062	5,687E-05	-0,9492
95	1,12500	COMB7	Combination	-630,418	-247,555	-15,187	5,687E-05	2,8477
95	0,00000	COMB7bis	Combination	-511,147	-265,359	12,938	2,995E-04	2,4258
95	0,37500	COMB7bis	Combination	-519,772	-246,220	4,313	2,995E-04	-0,8086
95	0,75000	COMB7bis	Combination	-528,397	-226,387	-4,312	2,995E-04	-0,8086
95	1,12500	COMB7bis	Combination	-537,022	-205,860	-12,937	2,995E-04	2,4258
96	0,00000	COMB7	Combination	-630,418	-245,064	15,188	5,687E-05	2,8477
96	0,37500	COMB7	Combination	-640,543	-223,843	5,063	5,687E-05	-0,9492
96	0,75000	COMB7	Combination	-650,668	-201,927	-5,062	5,687E-05	-0,9492
96	1,12500	COMB7	Combination	-660,793	-179,317	-15,187	5,687E-05	2,8477
96	0,00000	COMB7bis	Combination	-537,022	-203,991	12,938	2,995E-04	2,4258
96	0,37500	COMB7bis	Combination	-545,647	-182,769	4,313	2,995E-04	-0,8086

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
96	0,75000	COMB7bis	Combination	-554,272	-160,854	-4,312	2,995E-04	-0,8086
96	1,12500	COMB7bis	Combination	-562,897	-138,243	-12,937	2,995E-04	2,4258
97	0,00000	COMB7	Combination	-660,793	-178,191	15,188	5,687E-05	2,8477
97	0,37500	COMB7	Combination	-670,918	-154,539	5,063	5,687E-05	-0,9492
97	0,75000	COMB7	Combination	-681,043	-129,496	-5,062	5,687E-05	-0,9492
97	1,12500	COMB7	Combination	-691,168	-103,064	-15,187	5,687E-05	2,8477
97	0,00000	COMB7bis	Combination	-562,897	-137,610	12,938	2,995E-04	2,4258
97	0,37500	COMB7bis	Combination	-571,522	-113,958	4,313	2,995E-04	-0,8086
97	0,75000	COMB7bis	Combination	-580,147	-88,915	-4,312	2,995E-04	-0,8086
97	1,12500	COMB7bis	Combination	-588,772	-62,483	-12,937	2,995E-04	2,4258
98	0,00000	COMB7	Combination	-741,433	-236,641	13,715	4,000E-04	2,3241
98	0,33842	COMB7	Combination	-750,570	-205,015	4,578	4,000E-04	-0,7714
98	0,67684	COMB7	Combination	-759,708	-171,660	-4,559	4,000E-04	-0,7747
98	1,01526	COMB7	Combination	-768,846	-136,575	-13,695	4,000E-04	2,3141
98	0,00000	COMB7bis	Combination	-631,590	-248,427	11,683	5,284E-04	1,9797
98	0,33842	COMB7bis	Combination	-639,374	-216,801	3,900	5,284E-04	-0,6571
98	0,67684	COMB7bis	Combination	-647,158	-183,446	-3,883	5,284E-04	-0,6599
98	1,01526	COMB7bis	Combination	-654,942	-148,361	-11,666	5,284E-04	1,9712
99	0,00000	COMB7	Combination	-768,844	-136,575	13,715	4,000E-04	2,3242
99	0,33842	COMB7	Combination	-777,982	-99,761	4,579	4,000E-04	-0,7713
99	0,67684	COMB7	Combination	-787,120	-61,324	-4,558	4,000E-04	-0,7747
99	1,01526	COMB7	Combination	-796,258	-21,915	-13,695	4,000E-04	2,3139
99	0,00000	COMB7bis	Combination	-654,941	-148,361	11,684	5,284E-04	1,9799
99	0,33842	COMB7bis	Combination	-662,725	-111,547	3,900	5,284E-04	-0,6570
99	0,67684	COMB7bis	Combination	-670,509	-73,111	-3,883	5,284E-04	-0,6600
99	1,01526	COMB7bis	Combination	-678,293	-33,701	-11,666	5,284E-04	1,9711
100	0,00000	COMB7	Combination	-796,256	-21,915	13,716	4,000E-04	2,3244
100	0,33842	COMB7	Combination	-805,394	18,359	4,579	4,000E-04	-0,7712
100	0,67684	COMB7	Combination	-814,532	59,497	-4,558	4,000E-04	-0,7748
100	1,01526	COMB7	Combination	-823,670	101,501	-13,695	4,000E-04	2,3137
100	0,00000	COMB7bis	Combination	-678,292	-33,701	11,684	5,284E-04	1,9801
100	0,33842	COMB7bis	Combination	-686,076	6,572	3,901	5,284E-04	-0,6570
100	0,67684	COMB7bis	Combination	-693,860	47,711	-3,883	5,284E-04	-0,6600
100	1,01526	COMB7bis	Combination	-701,644	89,715	-11,666	5,284E-04	1,9709
101	0,00000	COMB7	Combination	-823,668	101,501	13,716	4,000E-04	2,3246
101	0,33842	COMB7	Combination	-832,806	144,369	4,579	4,000E-04	-0,7712
101	0,67684	COMB7	Combination	-841,944	188,103	-4,558	4,000E-04	-0,7749
101	1,01526	COMB7	Combination	-851,082	232,701	-13,694	4,000E-04	2,3135
101	0,00000	COMB7bis	Combination	-701,643	89,715	11,684	5,284E-04	1,9802
101	0,33842	COMB7bis	Combination	-709,427	132,583	3,901	5,284E-04	-0,6569
101	0,67684	COMB7bis	Combination	-717,211	176,317	-3,882	5,284E-04	-0,6601
101	1,01526	COMB7bis	Combination	-724,995	220,915	-11,666	5,284E-04	1,9708
102	0,00000	COMB7	Combination	-851,080	232,701	13,717	4,000E-04	2,3248
102	0,33842	COMB7	Combination	-860,218	278,164	4,580	4,000E-04	-0,7711
102	0,67684	COMB7	Combination	-869,356	324,598	-4,557	4,000E-04	-0,7749
102	1,01526	COMB7	Combination	-878,494	372,636	-13,694	4,000E-04	2,3133
102	0,00000	COMB7bis	Combination	-724,994	220,915	11,684	5,284E-04	1,9804
102	0,33842	COMB7bis	Combination	-732,778	266,378	3,901	5,284E-04	-0,6569
102	0,67684	COMB7bis	Combination	-740,562	312,811	-3,882	5,284E-04	-0,6601
102	1,01526	COMB7bis	Combination	-748,346	360,850	-11,665	5,284E-04	1,9706
103	0,00000	COMB7	Combination	-878,492	372,636	13,717	4,000E-04	2,3250
103	0,01526	COMB7	Combination	-878,904	374,842	13,305	4,000E-04	2,1188
103	0,00000	COMB7bis	Combination	-748,345	360,850	11,685	5,284E-04	1,9805
103	0,01526	COMB7bis	Combination	-748,696	363,056	11,334	5,284E-04	1,8049
104	0,40000	COMB7	Combination	-580,475	343,090	4,387	5,663E-05	-1,0673

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
104	0,76250	COMB7	Combination	-590,263	326,871	-5,400	5,663E-05	-0,8838
104	1,12500	COMB7	Combination	-600,050	309,355	-15,188	5,663E-05	2,8477
104	0,40000	COMB7bis	Combination	-494,479	300,901	3,737	2,866E-04	-0,9092
104	0,76250	COMB7bis	Combination	-502,817	284,683	-4,600	2,866E-04	-0,7529
104	1,12500	COMB7bis	Combination	-511,154	267,167	-12,938	2,866E-04	2,4258
105	0,00000	COMB7	Combination	-600,050	307,058	15,187	5,663E-05	2,8477
105	0,37500	COMB7	Combination	-610,175	287,920	5,062	5,663E-05	-0,9492
105	0,75000	COMB7	Combination	-620,300	268,087	-5,063	5,663E-05	-0,9492
105	1,12500	COMB7	Combination	-630,425	247,560	-15,188	5,663E-05	2,8477
105	0,00000	COMB7bis	Combination	-511,154	265,363	12,937	2,866E-04	2,4258
105	0,37500	COMB7bis	Combination	-519,779	246,225	4,312	2,866E-04	-0,8086
105	0,75000	COMB7bis	Combination	-528,404	226,392	-4,313	2,866E-04	-0,8086
105	1,12500	COMB7bis	Combination	-537,029	205,865	-12,938	2,866E-04	2,4258
106	0,00000	COMB7	Combination	-630,425	245,076	15,187	5,663E-05	2,8477
106	0,37500	COMB7	Combination	-640,550	223,854	5,062	5,663E-05	-0,9492
106	0,75000	COMB7	Combination	-650,675	201,938	-5,063	5,663E-05	-0,9492
106	1,12500	COMB7	Combination	-660,800	179,328	-15,188	5,663E-05	2,8477
106	0,00000	COMB7bis	Combination	-537,029	204,002	12,937	2,866E-04	2,4258
106	0,37500	COMB7bis	Combination	-545,654	182,781	4,312	2,866E-04	-0,8086
106	0,75000	COMB7bis	Combination	-554,279	160,865	-4,313	2,866E-04	-0,8086
106	1,12500	COMB7bis	Combination	-562,904	138,254	-12,938	2,866E-04	2,4258
107	0,00000	COMB7	Combination	-660,800	178,212	15,187	5,663E-05	2,8477
107	0,37500	COMB7	Combination	-670,925	154,559	5,062	5,663E-05	-0,9492
107	0,75000	COMB7	Combination	-681,050	129,517	-5,063	5,663E-05	-0,9492
107	1,12500	COMB7	Combination	-691,175	103,084	-15,188	5,663E-05	2,8477
107	0,00000	COMB7bis	Combination	-562,904	137,631	12,937	2,866E-04	2,4258
107	0,37500	COMB7bis	Combination	-571,529	113,978	4,312	2,866E-04	-0,8086
107	0,75000	COMB7bis	Combination	-580,154	88,936	-4,313	2,866E-04	-0,8086
107	1,12500	COMB7bis	Combination	-588,779	62,503	-12,938	2,866E-04	2,4258
108	0,00000	COMB7	Combination	-741,441	236,667	13,697	3,927E-04	2,3145
108	0,33842	COMB7	Combination	-750,578	205,040	4,559	3,927E-04	-0,7747
108	0,67684	COMB7	Combination	-759,715	171,683	-4,578	3,927E-04	-0,7715
108	1,01526	COMB7	Combination	-768,851	136,597	-13,716	3,927E-04	2,3241
108	0,00000	COMB7bis	Combination	-631,598	248,453	11,668	5,181E-04	1,9716
108	0,33842	COMB7bis	Combination	-639,382	216,826	3,884	5,181E-04	-0,6599
108	0,67684	COMB7bis	Combination	-647,165	183,469	-3,900	5,181E-04	-0,6572
108	1,01526	COMB7bis	Combination	-654,948	148,383	-11,684	5,181E-04	1,9798
109	0,00000	COMB7	Combination	-768,853	136,597	13,697	3,927E-04	2,3143
109	0,33842	COMB7	Combination	-777,990	99,780	4,559	3,927E-04	-0,7748
109	0,67684	COMB7	Combination	-787,127	61,343	-4,579	3,927E-04	-0,7714
109	1,01526	COMB7	Combination	-796,263	21,932	-13,716	3,927E-04	2,3243
109	0,00000	COMB7bis	Combination	-654,949	148,383	11,668	5,181E-04	1,9715
109	0,33842	COMB7bis	Combination	-662,732	111,566	3,884	5,181E-04	-0,6600
109	0,67684	COMB7bis	Combination	-670,516	73,129	-3,900	5,181E-04	-0,6572
109	1,01526	COMB7bis	Combination	-678,299	33,718	-11,684	5,181E-04	1,9799
110	0,00000	COMB7	Combination	-796,265	21,932	13,696	3,927E-04	2,3141
110	0,33842	COMB7	Combination	-805,402	-18,344	4,559	3,927E-04	-0,7748
110	0,67684	COMB7	Combination	-814,538	-59,484	-4,579	3,927E-04	-0,7714
110	1,01526	COMB7	Combination	-823,675	-101,490	-13,717	3,927E-04	2,3244
110	0,00000	COMB7bis	Combination	-678,300	33,718	11,667	5,181E-04	1,9713
110	0,33842	COMB7bis	Combination	-686,083	-6,558	3,883	5,181E-04	-0,6600
110	0,67684	COMB7bis	Combination	-693,867	-47,698	-3,901	5,181E-04	-0,6571
110	1,01526	COMB7bis	Combination	-701,650	-89,704	-11,685	5,181E-04	1,9801
111	0,00000	COMB7	Combination	-823,677	-101,490	13,696	3,927E-04	2,3140
111	0,33842	COMB7	Combination	-832,814	-144,360	4,558	3,927E-04	-0,7749

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
111	0,67684	COMB7	Combination	-841,950	-188,095	-4,579	3,927E-04	-0,7713
111	1,01526	COMB7	Combination	-851,087	-232,695	-13,717	3,927E-04	2,3246
111	0,00000	COMB7bis	Combination	-701,651	-89,704	11,667	5,181E-04	1,9712
111	0,33842	COMB7bis	Combination	-709,434	-132,574	3,883	5,181E-04	-0,6601
111	0,67684	COMB7bis	Combination	-717,218	-176,309	-3,901	5,181E-04	-0,6571
111	1,01526	COMB7bis	Combination	-725,001	-220,909	-11,685	5,181E-04	1,9802
112	0,00000	COMB7	Combination	-851,089	-232,695	13,696	3,927E-04	2,3138
112	0,33842	COMB7	Combination	-860,225	-278,159	4,558	3,927E-04	-0,7749
112	0,67684	COMB7	Combination	-869,362	-324,595	-4,580	3,927E-04	-0,7713
112	1,01526	COMB7	Combination	-878,499	-372,634	-13,717	3,927E-04	2,3248
112	0,00000	COMB7bis	Combination	-725,002	-220,909	11,667	5,181E-04	1,9710
112	0,33842	COMB7bis	Combination	-732,785	-266,373	3,883	5,181E-04	-0,6601
112	0,67684	COMB7bis	Combination	-740,568	-312,809	-3,901	5,181E-04	-0,6570
112	1,01526	COMB7bis	Combination	-748,352	-360,848	-11,685	5,181E-04	1,9804
113	0,00000	COMB7	Combination	-878,501	-372,634	13,695	3,927E-04	2,3136
113	0,01526	COMB7	Combination	-878,912	-374,840	13,284	3,927E-04	2,1078
113	0,00000	COMB7bis	Combination	-748,353	-360,848	11,667	5,181E-04	1,9709
113	0,01526	COMB7bis	Combination	-748,704	-363,054	11,316	5,181E-04	1,7955
114	0,50000	COMB7	Combination	-527,014	-490,528	0,834	0,0000	-7,2027
114	0,87056	COMB7	Combination	-527,014	-510,538	-19,176	0,0000	-3,8043
114	1,24111	COMB7	Combination	-527,014	-530,548	-39,186	0,0000	7,0090
114	0,50000	COMB7bis	Combination	-515,228	-418,113	0,708	0,0000	-6,1376
114	0,87056	COMB7bis	Combination	-515,228	-435,158	-16,338	0,0000	-3,2416
114	1,24111	COMB7bis	Combination	-515,228	-452,204	-33,384	0,0000	5,9707
115	0,00000	COMB7	Combination	-527,014	-258,074	33,573	0,0000	7,0090
115	0,41370	COMB7	Combination	-527,014	-280,414	11,233	0,0000	-2,2593
115	0,82741	COMB7	Combination	-527,014	-302,754	-11,107	0,0000	-2,2853
115	1,24111	COMB7	Combination	-527,014	-325,094	-33,447	0,0000	6,9308
115	0,00000	COMB7bis	Combination	-515,228	-220,125	28,599	0,0000	5,9707
115	0,41370	COMB7bis	Combination	-515,228	-239,155	9,569	0,0000	-1,9245
115	0,82741	COMB7bis	Combination	-515,228	-258,186	-9,462	0,0000	-1,9468
115	1,24111	COMB7bis	Combination	-515,228	-277,216	-28,492	0,0000	5,9040
116	0,00000	COMB7	Combination	-527,014	-174,281	33,509	0,0000	6,9308
116	0,41370	COMB7	Combination	-527,014	-196,621	11,169	0,0000	-2,3111
116	0,82741	COMB7	Combination	-527,014	-218,961	-11,171	0,0000	-2,3108
116	1,24111	COMB7	Combination	-527,014	-241,301	-33,511	0,0000	6,9317
116	0,00000	COMB7bis	Combination	-515,228	-148,705	28,545	0,0000	5,9040
116	0,41370	COMB7bis	Combination	-515,228	-167,735	9,515	0,0000	-1,9687
116	0,82741	COMB7bis	Combination	-515,228	-186,766	-9,516	0,0000	-1,9685
116	1,24111	COMB7bis	Combination	-515,228	-205,796	-28,546	0,0000	5,9047
117	0,00000	COMB7	Combination	-527,014	-90,959	33,510	0,0000	6,9317
117	0,41370	COMB7	Combination	-527,014	-113,299	11,170	0,0000	-2,3105
117	0,82741	COMB7	Combination	-527,014	-135,639	-11,170	0,0000	-2,3105
117	1,24111	COMB7	Combination	-527,014	-157,979	-33,510	0,0000	6,9316
117	0,00000	COMB7bis	Combination	-515,228	-77,646	28,546	0,0000	5,9047
117	0,41370	COMB7bis	Combination	-515,228	-96,677	9,515	0,0000	-1,9682
117	0,82741	COMB7bis	Combination	-515,228	-115,707	-9,515	0,0000	-1,9682
117	1,24111	COMB7bis	Combination	-515,228	-134,737	-28,546	0,0000	5,9047
118	0,00000	COMB7	Combination	-527,014	-7,949	33,510	0,0000	6,9316
118	0,41370	COMB7	Combination	-527,014	-30,289	11,170	0,0000	-2,3105
118	0,82741	COMB7	Combination	-527,014	-52,629	-11,170	0,0000	-2,3105
118	1,24111	COMB7	Combination	-527,014	-74,969	-33,510	0,0000	6,9316
118	0,00000	COMB7bis	Combination	-515,228	-6,829	28,546	0,0000	5,9047
118	0,41370	COMB7bis	Combination	-515,228	-25,859	9,515	0,0000	-1,9682
118	0,82741	COMB7bis	Combination	-515,228	-44,889	-9,515	0,0000	-1,9682

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
118	1,24111	COMB7bis	Combination	-515,228	-63,920	-28,546	0,0000	5,9047
119	0,00000	COMB7	Combination	-527,014	74,954	33,510	0,0000	6,9316
119	0,41370	COMB7	Combination	-527,014	52,614	11,170	0,0000	-2,3105
119	0,82741	COMB7	Combination	-527,014	30,274	-11,170	0,0000	-2,3105
119	1,24111	COMB7	Combination	-527,014	7,934	-33,510	0,0000	6,9316
119	0,00000	COMB7bis	Combination	-515,228	63,905	28,546	0,0000	5,9047
119	0,41370	COMB7bis	Combination	-515,228	44,875	9,515	0,0000	-1,9682
119	0,82741	COMB7bis	Combination	-515,228	25,844	-9,515	0,0000	-1,9682
119	1,24111	COMB7bis	Combination	-515,228	6,814	-28,546	0,0000	5,9047
120	0,00000	COMB7	Combination	-527,014	157,965	33,510	0,0000	6,9316
120	0,41370	COMB7	Combination	-527,014	135,625	11,170	0,0000	-2,3105
120	0,82741	COMB7	Combination	-527,014	113,285	-11,170	0,0000	-2,3105
120	1,24111	COMB7	Combination	-527,014	90,945	-33,510	0,0000	6,9317
120	0,00000	COMB7bis	Combination	-515,228	134,723	28,546	0,0000	5,9047
120	0,41370	COMB7bis	Combination	-515,228	115,693	9,515	0,0000	-1,9682
120	0,82741	COMB7bis	Combination	-515,228	96,663	-9,515	0,0000	-1,9682
120	1,24111	COMB7bis	Combination	-515,228	77,632	-28,546	0,0000	5,9047
121	0,00000	COMB7	Combination	-527,014	241,288	33,511	0,0000	6,9317
121	0,41370	COMB7	Combination	-527,014	218,948	11,171	0,0000	-2,3108
121	0,82741	COMB7	Combination	-527,014	196,608	-11,169	0,0000	-2,3111
121	1,24111	COMB7	Combination	-527,014	174,268	-33,509	0,0000	6,9308
121	0,00000	COMB7bis	Combination	-515,228	205,783	28,546	0,0000	5,9047
121	0,41370	COMB7bis	Combination	-515,228	186,753	9,516	0,0000	-1,9685
121	0,82741	COMB7bis	Combination	-515,228	167,723	-9,515	0,0000	-1,9687
121	1,24111	COMB7bis	Combination	-515,228	148,692	-28,545	0,0000	5,9040
122	0,00000	COMB7	Combination	-527,014	325,084	33,448	0,0000	6,9308
122	0,41370	COMB7	Combination	-527,014	302,744	11,108	0,0000	-2,2856
122	0,82741	COMB7	Combination	-527,014	280,404	-11,232	0,0000	-2,2598
122	1,24111	COMB7	Combination	-527,014	258,064	-33,572	0,0000	7,0082
122	0,00000	COMB7bis	Combination	-515,228	277,206	28,493	0,0000	5,9040
122	0,41370	COMB7bis	Combination	-515,228	258,176	9,462	0,0000	-1,9470
122	0,82741	COMB7bis	Combination	-515,228	239,145	-9,568	0,0000	-1,9250
122	1,24111	COMB7bis	Combination	-515,228	220,115	-28,599	0,0000	5,9699
123	0,00000	COMB7	Combination	-527,014	530,543	39,129	0,0000	7,0082
123	0,37056	COMB7	Combination	-527,014	510,533	19,119	0,0000	-3,7839
123	0,74111	COMB7	Combination	-527,014	490,523	-0,891	0,0000	-7,1611
123	0,00000	COMB7bis	Combination	-515,228	452,200	33,330	0,0000	5,9699
123	0,37056	COMB7bis	Combination	-515,228	435,154	16,284	0,0000	-3,2224
123	0,74111	COMB7bis	Combination	-515,228	418,108	-0,762	0,0000	-6,0984
124	0,50000	COMB7	Combination	-359,088	523,768	0,345	0,0307	-2,8726
124	0,87056	COMB7	Combination	-359,088	489,751	-7,659	0,0307	-1,5175
124	1,24111	COMB7	Combination	-359,088	455,734	-15,663	0,0307	2,8034
124	0,50000	COMB7bis	Combination	-316,945	446,172	0,294	0,0262	-2,4469
124	0,87056	COMB7bis	Combination	-316,945	417,195	-6,524	0,0262	-1,2927
124	1,24111	COMB7bis	Combination	-316,946	388,217	-13,342	0,0262	2,3881
125	0,00000	COMB7	Combination	-359,087	455,734	13,429	0,0070	2,8034
125	0,41370	COMB7	Combination	-359,087	417,756	4,493	0,0070	-0,9038
125	0,82741	COMB7	Combination	-359,088	379,778	-4,443	0,0070	-0,9142
125	1,24111	COMB7	Combination	-359,088	341,799	-13,379	0,0070	2,7723
125	0,00000	COMB7bis	Combination	-316,944	388,217	11,440	0,0060	2,3881
125	0,41370	COMB7bis	Combination	-316,945	355,865	3,827	0,0060	-0,7699
125	0,82741	COMB7bis	Combination	-316,945	323,514	-3,785	0,0060	-0,7788
125	1,24111	COMB7bis	Combination	-316,945	291,162	-11,397	0,0060	2,3616
126	0,00000	COMB7	Combination	-359,087	341,799	13,404	-0,0108	2,7723
126	0,41370	COMB7	Combination	-359,087	303,821	4,468	-0,0108	-0,9244

<p>GENERAL CONTRACTOR</p>  <p>Censorzio Collegamenti Integrati Veloci</p>	<p>ALTA SORVEGLIANZA</p>  <p>GRUPPO FERROVIE DELLO STATO ITALIANE</p>
	<p>a301-00-d-cv-ro-gn00-0x-013-e00</p> <p>Foglio 256 di 289</p>

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
126	0,82741	COMB7	Combination	-359,088	265,843	-4,468	-0,0108	-0,9243
126	1,24111	COMB7	Combination	-359,088	227,865	-13,404	-0,0108	2,7727
126	0,00000	COMB7bis	Combination	-316,944	291,162	11,418	-0,0091	2,3616
126	0,41370	COMB7bis	Combination	-316,945	258,810	3,806	-0,0091	-0,7875
126	0,82741	COMB7bis	Combination	-316,945	226,459	-3,806	-0,0091	-0,7874
126	1,24111	COMB7bis	Combination	-316,945	194,107	-11,418	-0,0091	2,3619
127	0,00000	COMB7	Combination	-359,087	227,865	13,404	-0,0227	2,7727
127	0,41370	COMB7	Combination	-359,087	189,887	4,468	-0,0227	-0,9242
127	0,82741	COMB7	Combination	-359,088	151,909	-4,468	-0,0227	-0,9242
127	1,24111	COMB7	Combination	-359,088	113,931	-13,404	-0,0227	2,7727
127	0,00000	COMB7bis	Combination	-316,944	194,107	11,418	-0,0192	2,3619
127	0,41370	COMB7bis	Combination	-316,945	161,755	3,806	-0,0192	-0,7873
127	0,82741	COMB7bis	Combination	-316,945	129,403	-3,806	-0,0192	-0,7873
127	1,24111	COMB7bis	Combination	-316,945	97,052	-11,418	-0,0192	2,3619
128	0,00000	COMB7	Combination	-359,087	113,931	13,404	-0,0286	2,7727
128	0,41370	COMB7	Combination	-359,087	75,953	4,468	-0,0286	-0,9242
128	0,82741	COMB7	Combination	-359,088	37,975	-4,468	-0,0286	-0,9242
128	1,24111	COMB7	Combination	-359,088	-3,469E-03	-13,404	-0,0286	2,7727
128	0,00000	COMB7bis	Combination	-316,944	97,052	11,418	-0,0243	2,3619
128	0,41370	COMB7bis	Combination	-316,945	64,700	3,806	-0,0243	-0,7873
128	0,82741	COMB7bis	Combination	-316,945	32,348	-3,806	-0,0243	-0,7873
128	1,24111	COMB7bis	Combination	-316,945	-3,471E-03	-11,418	-0,0243	2,3619
129	0,00000	COMB7	Combination	-359,087	-3,469E-03	13,404	-0,0286	2,7727
129	0,41370	COMB7	Combination	-359,087	-37,982	4,468	-0,0286	-0,9242
129	0,82741	COMB7	Combination	-359,088	-75,960	-4,468	-0,0286	-0,9242
129	1,24111	COMB7	Combination	-359,088	-113,938	-13,404	-0,0286	2,7727
129	0,00000	COMB7bis	Combination	-316,944	-3,471E-03	11,418	-0,0243	2,3619
129	0,41370	COMB7bis	Combination	-316,945	-32,355	3,806	-0,0243	-0,7873
129	0,82741	COMB7bis	Combination	-316,945	-64,707	-3,806	-0,0243	-0,7873
129	1,24111	COMB7bis	Combination	-316,945	-97,059	-11,418	-0,0243	2,3619
130	0,00000	COMB7	Combination	-359,087	-113,938	13,404	-0,0227	2,7727
130	0,41370	COMB7	Combination	-359,087	-151,916	4,468	-0,0227	-0,9242
130	0,82741	COMB7	Combination	-359,088	-189,894	-4,468	-0,0227	-0,9242
130	1,24111	COMB7	Combination	-359,088	-227,872	-13,404	-0,0227	2,7727
130	0,00000	COMB7bis	Combination	-316,944	-97,059	11,418	-0,0192	2,3619
130	0,41370	COMB7bis	Combination	-316,945	-129,410	3,806	-0,0192	-0,7873
130	0,82741	COMB7bis	Combination	-316,945	-161,762	-3,806	-0,0192	-0,7873
130	1,24111	COMB7bis	Combination	-316,945	-194,114	-11,418	-0,0192	2,3619
131	0,00000	COMB7	Combination	-359,087	-227,872	13,404	-0,0108	2,7727
131	0,41370	COMB7	Combination	-359,087	-265,850	4,468	-0,0108	-0,9243
131	0,82741	COMB7	Combination	-359,088	-303,828	-4,468	-0,0108	-0,9244
131	1,24111	COMB7	Combination	-359,088	-341,806	-13,404	-0,0108	2,7723
131	0,00000	COMB7bis	Combination	-316,944	-194,114	11,418	-0,0091	2,3619
131	0,41370	COMB7bis	Combination	-316,945	-226,466	3,806	-0,0091	-0,7874
131	0,82741	COMB7bis	Combination	-316,945	-258,817	-3,806	-0,0091	-0,7875
131	1,24111	COMB7bis	Combination	-316,945	-291,169	-11,418	-0,0091	2,3616
132	0,00000	COMB7	Combination	-359,087	-341,806	13,379	0,0070	2,7723
132	0,41370	COMB7	Combination	-359,087	-379,785	4,443	0,0070	-0,9142
132	0,82741	COMB7	Combination	-359,088	-417,763	-4,493	0,0070	-0,9038
132	1,24111	COMB7	Combination	-359,088	-455,741	-13,429	0,0070	2,8034
132	0,00000	COMB7bis	Combination	-316,944	-291,169	11,397	0,0060	2,3616
132	0,41370	COMB7bis	Combination	-316,945	-323,521	3,785	0,0060	-0,7788
132	0,82741	COMB7bis	Combination	-316,945	-355,872	-3,827	0,0060	-0,7699
132	1,24111	COMB7bis	Combination	-316,945	-388,224	-11,440	0,0060	2,3881
133	0,00000	COMB7	Combination	-359,087	-455,741	15,663	0,0307	2,8034

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
133	0,37056	COMB7	Combination	-359,087	-489,758	7,659	0,0307	-1,5176
133	0,74111	COMB7	Combination	-359,088	-523,775	-0,345	0,0307	-2,8726
133	0,00000	COMB7bis	Combination	-316,944	-388,224	13,343	0,0262	2,3881
133	0,37056	COMB7bis	Combination	-316,945	-417,202	6,524	0,0262	-1,2928
133	0,74111	COMB7bis	Combination	-316,945	-446,179	-0,294	0,0262	-2,4472
134	0,50000	COMB7	Combination	-133,192	46,215	0,130	0,0268	-1,0771
134	0,87056	COMB7	Combination	-133,193	43,214	-2,872	0,0268	-0,5690
134	1,24111	COMB7	Combination	-133,193	40,212	-5,873	0,0268	1,0513
134	0,50000	COMB7bis	Combination	-185,407	39,368	0,112	0,0229	-0,9167
134	0,87056	COMB7bis	Combination	-185,408	36,812	-2,445	0,0229	-0,4843
134	1,24111	COMB7bis	Combination	-185,408	34,255	-5,002	0,0229	0,8955
135	0,00000	COMB7	Combination	-133,192	40,212	5,036	-0,0036	1,0513
135	0,41370	COMB7	Combination	-133,192	36,861	1,685	-0,0036	-0,3389
135	0,82741	COMB7	Combination	-133,192	33,510	-1,666	-0,0036	-0,3428
135	1,24111	COMB7	Combination	-133,193	30,159	-5,017	-0,0036	1,0396
135	0,00000	COMB7bis	Combination	-185,407	34,255	4,290	-0,0031	0,8955
135	0,41370	COMB7bis	Combination	-185,407	31,400	1,435	-0,0031	-0,2887
135	0,82741	COMB7bis	Combination	-185,408	28,546	-1,419	-0,0031	-0,2920
135	1,24111	COMB7bis	Combination	-185,408	25,691	-4,274	-0,0031	0,8856
136	0,00000	COMB7	Combination	-133,192	30,159	5,026	-0,0061	1,0396
136	0,41370	COMB7	Combination	-133,192	26,808	1,675	-0,0061	-0,3467
136	0,82741	COMB7	Combination	-133,192	23,457	-1,676	-0,0061	-0,3466
136	1,24111	COMB7	Combination	-133,193	20,106	-5,027	-0,0061	1,0397
136	0,00000	COMB7bis	Combination	-185,407	25,691	4,282	-0,0052	0,8856
136	0,41370	COMB7bis	Combination	-185,407	22,837	1,427	-0,0052	-0,2953
136	0,82741	COMB7bis	Combination	-185,408	19,982	-1,427	-0,0052	-0,2953
136	1,24111	COMB7bis	Combination	-185,408	17,127	-4,282	-0,0052	0,8857
137	0,00000	COMB7	Combination	-133,192	20,106	5,027	-0,0078	1,0397
137	0,41370	COMB7	Combination	-133,192	16,755	1,676	-0,0078	-0,3466
137	0,82741	COMB7	Combination	-133,192	13,404	-1,676	-0,0078	-0,3466
137	1,24111	COMB7	Combination	-133,193	10,053	-5,027	-0,0078	1,0397
137	0,00000	COMB7bis	Combination	-185,407	17,127	4,282	-0,0066	0,8857
137	0,41370	COMB7bis	Combination	-185,407	14,273	1,427	-0,0066	-0,2952
137	0,82741	COMB7bis	Combination	-185,408	11,418	-1,427	-0,0066	-0,2952
137	1,24111	COMB7bis	Combination	-185,408	8,564	-4,282	-0,0066	0,8857
138	0,00000	COMB7	Combination	-133,192	10,053	5,027	-0,0086	1,0397
138	0,41370	COMB7	Combination	-133,192	6,702	1,676	-0,0086	-0,3466
138	0,82741	COMB7	Combination	-133,192	3,351	-1,676	-0,0086	-0,3466
138	1,24111	COMB7	Combination	-133,193	-4,656E-12	-5,027	-0,0086	1,0397
138	0,00000	COMB7bis	Combination	-185,407	8,564	4,282	-0,0073	0,8857
138	0,41370	COMB7bis	Combination	-185,407	5,709	1,427	-0,0073	-0,2952
138	0,82741	COMB7bis	Combination	-185,408	2,855	-1,427	-0,0073	-0,2952
138	1,24111	COMB7bis	Combination	-185,408	-4,270E-12	-4,282	-0,0073	0,8857
139	0,00000	COMB7	Combination	-133,192	-1,064E-12	5,027	-0,0086	1,0397
139	0,41370	COMB7	Combination	-133,192	-3,351	1,676	-0,0086	-0,3466
139	0,82741	COMB7	Combination	-133,192	-6,702	-1,676	-0,0086	-0,3466
139	1,24111	COMB7	Combination	-133,193	-10,053	-5,027	-0,0086	1,0397
139	0,00000	COMB7bis	Combination	-185,407	-1,210E-12	4,282	-0,0073	0,8857
139	0,41370	COMB7bis	Combination	-185,407	-2,855	1,427	-0,0073	-0,2952
139	0,82741	COMB7bis	Combination	-185,408	-5,709	-1,427	-0,0073	-0,2952
139	1,24111	COMB7bis	Combination	-185,408	-8,564	-4,282	-0,0073	0,8857
140	0,00000	COMB7	Combination	-133,192	-10,053	5,027	-0,0078	1,0397
140	0,41370	COMB7	Combination	-133,192	-13,404	1,676	-0,0078	-0,3466
140	0,82741	COMB7	Combination	-133,192	-16,755	-1,676	-0,0078	-0,3466
140	1,24111	COMB7	Combination	-133,193	-20,106	-5,027	-0,0078	1,0397

<p>GENERAL CONTRACTOR</p>  <p>Censorzio Collegamenti Integrati Veloci</p>	<p>ALTA SORVEGLIANZA</p>  <p>GRUPPO FERROVIE DELLO STATO ITALIANE</p>
	<p>a301-00-d-cv-ro-gn00-0x-013-e00</p> <p>Foglio 258 di 289</p>

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
140	0,00000	COMB7bis	Combination	-185,407	-8,564	4,282	-0,0066	0,8857
140	0,41370	COMB7bis	Combination	-185,407	-11,418	1,427	-0,0066	-0,2952
140	0,82741	COMB7bis	Combination	-185,408	-14,273	-1,427	-0,0066	-0,2952
140	1,24111	COMB7bis	Combination	-185,408	-17,127	-4,282	-0,0066	0,8857
141	0,00000	COMB7	Combination	-133,192	-20,106	5,027	-0,0061	1,0397
141	0,41370	COMB7	Combination	-133,192	-23,457	1,676	-0,0061	-0,3466
141	0,82741	COMB7	Combination	-133,192	-26,808	-1,675	-0,0061	-0,3467
141	1,24111	COMB7	Combination	-133,193	-30,159	-5,026	-0,0061	1,0396
141	0,00000	COMB7bis	Combination	-185,407	-17,127	4,282	-0,0052	0,8857
141	0,41370	COMB7bis	Combination	-185,407	-19,982	1,427	-0,0052	-0,2953
141	0,82741	COMB7bis	Combination	-185,408	-22,837	-1,427	-0,0052	-0,2953
141	1,24111	COMB7bis	Combination	-185,408	-25,691	-4,282	-0,0052	0,8856
142	0,00000	COMB7	Combination	-133,192	-30,159	5,017	-0,0036	1,0396
142	0,41370	COMB7	Combination	-133,192	-33,510	1,666	-0,0036	-0,3428
142	0,82741	COMB7	Combination	-133,192	-36,861	-1,685	-0,0036	-0,3389
142	1,24111	COMB7	Combination	-133,193	-40,212	-5,036	-0,0036	1,0513
142	0,00000	COMB7bis	Combination	-185,407	-25,691	4,274	-0,0031	0,8856
142	0,41370	COMB7bis	Combination	-185,407	-28,546	1,419	-0,0031	-0,2920
142	0,82741	COMB7bis	Combination	-185,408	-31,400	-1,435	-0,0031	-0,2887
142	1,24111	COMB7bis	Combination	-185,408	-34,255	-4,290	-0,0031	0,8956
143	0,00000	COMB7	Combination	-133,192	-40,212	5,874	0,0268	1,0513
143	0,37056	COMB7	Combination	-133,192	-43,214	2,872	0,0268	-0,5691
143	0,74111	COMB7	Combination	-133,192	-46,215	-0,129	0,0268	-1,0773
143	0,00000	COMB7bis	Combination	-185,407	-34,255	5,005	0,0229	0,8956
143	0,37056	COMB7bis	Combination	-185,407	-36,812	2,448	0,0229	-0,4852
143	0,74111	COMB7bis	Combination	-185,407	-39,368	-0,109	0,0229	-0,9185

Table: Element Forces - Frames, Part 2 of 2

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
1	0,00000	COMB7	0,0000	1-1	0,00000
1	0,34475	COMB7	378,0613	1-1	0,34475
1	0,68951	COMB7	749,7044	1-1	0,68951
1	1,03426	COMB7	1114,9293	1-1	1,03426
1	0,00000	COMB7bis	0,0000	1-1	0,00000
1	0,34475	COMB7bis	322,0522	1-1	0,34475
1	0,68951	COMB7bis	638,6371	1-1	0,68951
1	1,03426	COMB7bis	949,7546	1-1	1,03426
2	0,00000	COMB7	552,9600	2-1	0,00000
2	0,34475	COMB7	1121,6565	2-1	0,34475
2	0,68951	COMB7	1683,9348	2-1	0,68951
2	1,03426	COMB7	2239,7949	2-1	1,03426
2	0,00000	COMB7bis	471,0400	2-1	0,00000
2	0,34475	COMB7bis	955,4852	2-1	0,34475
2	0,68951	COMB7bis	1434,4630	2-1	0,68951
2	1,03426	COMB7bis	1907,9735	2-1	1,03426
3	0,00000	COMB7	2488,3200	3-1	0,00000
3	0,34475	COMB7	2485,1109	3-1	0,34475
3	0,68951	COMB7	2475,4836	3-1	0,68951
3	1,03426	COMB7	2459,4381	3-1	1,03426
3	0,00000	COMB7bis	2119,6800	3-1	0,00000
3	0,34475	COMB7bis	2116,9463	3-1	0,34475
3	0,68951	COMB7bis	2108,7453	3-1	0,68951

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
3	1,03426	COMB7bis	2095,0769	3-1	1,03426
4	0,00000	COMB7	1658,8800	4-1	0,00000
4	0,34475	COMB7	2227,5765	4-1	0,34475
4	0,68951	COMB7	2789,8548	4-1	0,68951
4	1,03426	COMB7	3345,7149	4-1	1,03426
4	0,00000	COMB7bis	1413,1200	4-1	0,00000
4	0,34475	COMB7bis	1897,5652	4-1	0,34475
4	0,68951	COMB7bis	2376,5430	4-1	0,68951
4	1,03426	COMB7bis	2850,0535	4-1	1,03426
5	0,00000	COMB7	2350,0800	5-1	0,00000
5	0,34475	COMB7	2346,8709	5-1	0,34475
5	0,68951	COMB7	2337,2436	5-1	0,68951
5	1,03426	COMB7	2321,1981	5-1	1,03426
5	0,00000	COMB7bis	2001,9200	5-1	0,00000
5	0,34475	COMB7bis	1999,1863	5-1	0,34475
5	0,68951	COMB7bis	1990,9853	5-1	0,68951
5	1,03426	COMB7bis	1977,3169	5-1	1,03426
6	0,00000	COMB7	2488,3200	6-1	0,00000
6	0,34475	COMB7	2675,7461	6-1	0,34475
6	0,68951	COMB7	2856,7540	6-1	0,68951
6	1,03426	COMB7	3031,3437	6-1	1,03426
6	0,00000	COMB7bis	2119,6800	6-1	0,00000
6	0,34475	COMB7bis	2279,3393	6-1	0,34475
6	0,68951	COMB7bis	2433,5312	6-1	0,68951
6	1,03426	COMB7bis	2582,2558	6-1	1,03426
7	0,00000	COMB7	2350,0800	7-1	0,00000
7	0,34475	COMB7	1870,2829	7-1	0,34475
7	0,68951	COMB7	1384,0676	7-1	0,68951
7	1,03426	COMB7	891,4342	7-1	1,03426
7	0,00000	COMB7bis	2001,9200	7-1	0,00000
7	0,34475	COMB7bis	1593,2040	7-1	0,34475
7	0,68951	COMB7bis	1179,0206	7-1	0,68951
7	1,03426	COMB7bis	759,3698	7-1	1,03426
8	0,00000	COMB7	1244,1600	8-1	0,00000
8	0,34475	COMB7	954,9981	8-1	0,34475
8	0,68951	COMB7	659,4180	8-1	0,68951
8	1,03426	COMB7	357,4198	8-1	1,03426
8	0,00000	COMB7bis	1059,8400	8-1	0,00000
8	0,34475	COMB7bis	813,5169	8-1	0,34475
8	0,68951	COMB7bis	561,7265	8-1	0,68951
8	1,03426	COMB7bis	304,4687	8-1	1,03426
9	0,00000	COMB7	138,2400	9-1	0,00000
9	0,34475	COMB7	230,3485	9-1	0,34475
9	0,68951	COMB7	316,0388	9-1	0,68951
9	1,03426	COMB7	395,3109	9-1	1,03426
9	0,00000	COMB7bis	117,7600	9-1	0,00000
9	0,34475	COMB7bis	196,2228	9-1	0,34475
9	0,68951	COMB7bis	269,2183	9-1	0,68951
9	1,03426	COMB7bis	336,7464	9-1	1,03426
10	0,00000	COMB7	138,2400	10-1	0,00000
10	0,34475	COMB7	-55,6043	10-1	0,34475
10	0,68951	COMB7	-255,8668	10-1	0,68951
10	1,03426	COMB7	-462,5474	10-1	1,03426
10	0,00000	COMB7bis	117,7600	10-1	0,00000
10	0,34475	COMB7bis	-47,3666	10-1	0,34475

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
10	0,68951	COMB7bis	-217,9606	10-1	0,68951
10	1,03426	COMB7bis	-394,0219	10-1	1,03426
11	0,00000	COMB7	-138,2400	11-1	0,00000
11	0,34475	COMB7	-141,4491	11-1	0,34475
11	0,68951	COMB7	-151,0764	11-1	0,68951
11	1,03426	COMB7	-167,1219	11-1	1,03426
11	0,00000	COMB7bis	-117,7600	11-1	0,00000
11	0,34475	COMB7bis	-120,4937	11-1	0,34475
11	0,68951	COMB7bis	-128,6947	11-1	0,68951
11	1,03426	COMB7bis	-142,3631	11-1	1,03426
12	0,00000	COMB7	-276,4800	12-1	0,00000
12	0,34475	COMB7	-89,0539	12-1	0,34475
12	0,68951	COMB7	91,9540	12-1	0,68951
12	1,03426	COMB7	266,5437	12-1	1,03426
12	0,00000	COMB7bis	-235,5200	12-1	0,00000
12	0,34475	COMB7bis	-75,8607	12-1	0,34475
12	0,68951	COMB7bis	78,3312	12-1	0,68951
12	1,03426	COMB7bis	227,0558	12-1	1,03426
13	0,00000	COMB7	-345,6000	13-1	0,00000
13	0,45421	COMB7	-100,0111	13-1	0,45421
13	0,90842	COMB7	134,4374	13-1	0,90842
13	0,00000	COMB7bis	-294,4000	13-1	0,00000
13	0,45421	COMB7bis	-85,1946	13-1	0,45421
13	0,90842	COMB7bis	114,5207	13-1	0,90842
14	0,00000	COMB7	518,4000	14-1	0,00000
14	0,45421	COMB7	889,5685	14-1	0,45421
14	0,90842	COMB7	1249,5966	14-1	0,90842
14	0,00000	COMB7bis	441,6000	14-1	0,00000
14	0,45421	COMB7bis	757,7806	14-1	0,45421
14	0,90842	COMB7bis	1064,4711	14-1	0,90842
15	0,00000	COMB7	967,6800	15-1	0,00000
15	0,45421	COMB7	1213,2689	15-1	0,45421
15	0,90842	COMB7	1447,7174	15-1	0,90842
15	0,00000	COMB7bis	824,3200	15-1	0,00000
15	0,45421	COMB7bis	1033,5254	15-1	0,45421
15	0,90842	COMB7bis	1233,2407	15-1	0,90842
16	0,00000	COMB7	1900,8000	16-1	0,00000
16	0,45421	COMB7	2020,8093	16-1	0,45421
16	0,90842	COMB7	2129,6782	16-1	0,90842
16	0,00000	COMB7bis	1619,2000	16-1	0,00000
16	0,45421	COMB7bis	1721,4302	16-1	0,45421
16	0,90842	COMB7bis	1814,1703	16-1	0,90842
17	0,00000	COMB7	2315,5200	17-1	0,00000
17	0,45421	COMB7	2372,7395	17-1	0,45421
17	0,90842	COMB7	2418,8186	17-1	0,90842
17	0,00000	COMB7bis	1972,4800	17-1	0,00000
17	0,45421	COMB7bis	2021,2226	17-1	0,45421
17	0,90842	COMB7bis	2060,4751	17-1	0,90842
18	0,00000	COMB7	2695,6800	18-1	0,00000
18	0,43213	COMB7	2526,3611	18-1	0,43213
18	0,86425	COMB7	2346,9586	18-1	0,86425
18	0,00000	COMB7bis	2296,3200	18-1	0,00000
18	0,43213	COMB7bis	2152,0854	18-1	0,43213
18	0,86425	COMB7bis	1999,2611	18-1	0,86425
19	0,00000	COMB7	2350,0800	19-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
19	0,43213	COMB7	2190,0950	19-1	0,43213
19	0,86425	COMB7	2020,0265	19-1	0,86425
19	0,00000	COMB7bis	2001,9200	19-1	0,00000
19	0,43213	COMB7bis	1865,6365	19-1	0,43213
19	0,86425	COMB7bis	1720,7633	19-1	0,86425
20	0,00000	COMB7	2073,6000	20-1	0,00000
20	0,43213	COMB7	1904,2811	20-1	0,43213
20	0,86425	COMB7	1724,8786	20-1	0,86425
20	0,00000	COMB7bis	1766,4000	20-1	0,00000
20	0,43213	COMB7bis	1622,1654	20-1	0,43213
20	0,86425	COMB7bis	1469,3411	20-1	0,86425
21	0,00000	COMB7	1451,5200	21-1	0,00000
21	0,43213	COMB7	1237,3983	21-1	0,43213
21	0,86425	COMB7	1013,1930	21-1	0,86425
21	0,00000	COMB7bis	1236,4800	21-1	0,00000
21	0,43213	COMB7bis	1054,0800	21-1	0,43213
21	0,86425	COMB7bis	863,0903	21-1	0,86425
22	0,00000	COMB7	1105,9200	22-1	0,00000
22	0,43213	COMB7	742,4555	22-1	0,43213
22	0,86425	COMB7	368,9073	22-1	0,86425
22	0,00000	COMB7bis	942,0800	22-1	0,00000
22	0,43213	COMB7bis	632,4621	22-1	0,43213
22	0,86425	COMB7bis	314,2544	22-1	0,86425
23	0,00000	COMB7	276,4800	23-1	0,00000
23	0,43213	COMB7	92,2268	23-1	0,43213
23	0,86425	COMB7	-102,1099	23-1	0,86425
23	0,00000	COMB7bis	235,5200	23-1	0,00000
23	0,43213	COMB7bis	78,5636	23-1	0,43213
23	0,86425	COMB7bis	-86,9825	23-1	0,86425
24	0,00000	COMB7	0,0000	24-1	0,00000
24	0,43213	COMB7	-243,9900	24-1	0,43213
24	0,86425	COMB7	-498,0635	24-1	0,86425
24	0,00000	COMB7bis	0,0000	24-1	0,00000
24	0,43213	COMB7bis	-207,8433	24-1	0,43213
24	0,86425	COMB7bis	-424,2763	24-1	0,86425
25	0,00000	COMB7	-69,1200	25-1	0,00000
25	0,34475	COMB7	22,9867	25-1	0,34475
25	0,68949	COMB7	108,6755	25-1	0,68949
25	1,03424	COMB7	187,9463	25-1	1,03424
25	0,00000	COMB7bis	-58,8800	25-1	0,00000
25	0,34475	COMB7bis	19,5813	25-1	0,34475
25	0,68949	COMB7bis	92,5754	25-1	0,68949
25	1,03424	COMB7bis	160,1024	25-1	1,03424
26	0,00000	COMB7	0,0000	26-1	0,00000
26	0,34475	COMB7	-3,2090	26-1	0,34475
26	0,68949	COMB7	-12,8359	26-1	0,68949
26	1,03424	COMB7	-28,8807	26-1	1,03424
26	0,00000	COMB7bis	0,0000	26-1	0,00000
26	0,34475	COMB7bis	-2,7336	26-1	0,34475
26	0,68949	COMB7bis	-10,9342	26-1	0,68949
26	1,03424	COMB7bis	-24,6021	26-1	1,03424
27	0,00000	COMB7	-172,8000	27-1	0,00000
27	0,34475	COMB7	-80,6933	27-1	0,34475
27	0,68949	COMB7	4,9955	27-1	0,68949
27	1,03424	COMB7	84,2663	27-1	1,03424

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
27	0,00000	COMB7bis	-147,2000	27-1	0,00000
27	0,34475	COMB7bis	-68,7387	27-1	0,34475
27	0,68949	COMB7bis	4,2554	27-1	0,68949
27	1,03424	COMB7bis	71,7824	27-1	1,03424
28	0,00000	COMB7	120,9600	28-1	0,00000
28	0,34475	COMB7	165,4089	28-1	0,34475
28	0,68949	COMB7	203,4398	28-1	0,68949
28	1,03424	COMB7	235,0528	28-1	1,03424
28	0,00000	COMB7bis	103,0400	28-1	0,00000
28	0,34475	COMB7bis	140,9038	28-1	0,34475
28	0,68949	COMB7bis	173,3006	28-1	0,68949
28	1,03424	COMB7bis	200,2302	28-1	1,03424
29	0,00000	COMB7	302,4000	29-1	0,00000
29	0,34475	COMB7	370,6778	29-1	0,34475
29	0,68949	COMB7	432,5376	29-1	0,68949
29	1,03424	COMB7	487,9796	29-1	1,03424
29	0,00000	COMB7bis	257,6000	29-1	0,00000
29	0,34475	COMB7bis	315,7626	29-1	0,34475
29	0,68949	COMB7bis	368,4580	29-1	0,68949
29	1,03424	COMB7bis	415,6863	29-1	1,03424
30	0,00000	COMB7	462,2400	30-1	0,00000
30	0,34475	COMB7	530,5178	30-1	0,34475
30	0,68949	COMB7	592,3776	30-1	0,68949
30	1,03424	COMB7	647,8196	30-1	1,03424
30	0,00000	COMB7bis	393,7600	30-1	0,00000
30	0,34475	COMB7bis	451,9226	30-1	0,34475
30	0,68949	COMB7bis	504,6180	30-1	0,68949
30	1,03424	COMB7bis	551,8463	30-1	1,03424
31	0,00000	COMB7	725,7600	31-1	0,00000
31	0,34475	COMB7	722,5510	31-1	0,34475
31	0,68949	COMB7	712,9241	31-1	0,68949
31	1,03424	COMB7	696,8793	31-1	1,03424
31	0,00000	COMB7bis	618,2400	31-1	0,00000
31	0,34475	COMB7bis	615,5064	31-1	0,34475
31	0,68949	COMB7bis	607,3058	31-1	0,68949
31	1,03424	COMB7bis	593,6379	31-1	1,03424
32	0,00000	COMB7	725,7600	32-1	0,00000
32	0,34475	COMB7	749,3586	32-1	0,34475
32	0,68949	COMB7	766,5392	32-1	0,68949
32	1,03424	COMB7	777,3019	32-1	1,03424
32	0,00000	COMB7bis	618,2400	32-1	0,00000
32	0,34475	COMB7bis	638,3425	32-1	0,34475
32	0,68949	COMB7bis	652,9778	32-1	0,68949
32	1,03424	COMB7bis	662,1461	32-1	1,03424
33	0,00000	COMB7	829,4400	33-1	0,00000
33	0,34475	COMB7	826,2310	33-1	0,34475
33	0,68949	COMB7	816,6041	33-1	0,68949
33	1,03424	COMB7	800,5593	33-1	1,03424
33	0,00000	COMB7bis	706,5600	33-1	0,00000
33	0,34475	COMB7bis	703,8264	33-1	0,34475
33	0,68949	COMB7bis	695,6258	33-1	0,68949
33	1,03424	COMB7bis	681,9579	33-1	1,03424
34	0,00000	COMB7	760,3200	34-1	0,00000
34	0,34475	COMB7	733,2821	34-1	0,34475
34	0,68949	COMB7	699,8263	34-1	0,68949

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
34	1,03424	COMB7	659,9526	34-1	1,03424
34	0,00000	COMB7bis	647,6800	34-1	0,00000
34	0,34475	COMB7bis	624,6477	34-1	0,34475
34	0,68949	COMB7bis	596,1483	34-1	0,68949
34	1,03424	COMB7bis	562,1818	34-1	1,03424
35	0,00000	COMB7	622,0800	35-1	0,00000
35	0,34475	COMB7	571,2132	35-1	0,34475
35	0,68949	COMB7	513,9285	35-1	0,68949
35	1,03424	COMB7	450,2258	35-1	1,03424
35	0,00000	COMB7bis	529,9200	35-1	0,00000
35	0,34475	COMB7bis	486,5890	35-1	0,34475
35	0,68949	COMB7bis	437,7909	35-1	0,68949
35	1,03424	COMB7bis	383,5257	35-1	1,03424
36	0,00000	COMB7	552,9600	36-1	0,00000
36	0,34475	COMB7	549,7510	36-1	0,34475
36	0,68949	COMB7	540,1241	36-1	0,68949
36	1,03424	COMB7	524,0793	36-1	1,03424
36	0,00000	COMB7bis	471,0400	36-1	0,00000
36	0,34475	COMB7bis	468,3064	36-1	0,34475
36	0,68949	COMB7bis	460,1058	36-1	0,68949
36	1,03424	COMB7bis	446,4380	36-1	1,03424
37	0,00000	COMB7	552,9600	37-1	0,00000
37	0,43214	COMB7	547,9178	37-1	0,43214
37	0,86429	COMB7	532,7913	37-1	0,86429
37	0,00000	COMB7bis	471,0400	37-1	0,00000
37	0,43214	COMB7bis	466,7448	37-1	0,43214
37	0,86429	COMB7bis	453,8592	37-1	0,86429
38	0,00000	COMB7	138,2400	38-1	0,00000
38	0,43214	COMB7	13,7190	38-1	0,43214
38	0,86429	COMB7	-120,8864	38-1	0,86429
38	0,00000	COMB7bis	117,7600	38-1	0,00000
38	0,43214	COMB7bis	11,6865	38-1	0,43214
38	0,86429	COMB7bis	-102,9773	38-1	0,86429
39	0,00000	COMB7	414,7200	39-1	0,00000
39	0,43214	COMB7	290,1990	39-1	0,43214
39	0,86429	COMB7	155,5936	39-1	0,86429
39	0,00000	COMB7bis	353,2800	39-1	0,00000
39	0,43214	COMB7bis	247,2065	39-1	0,43214
39	0,86429	COMB7bis	132,5427	39-1	0,86429
40	0,00000	COMB7	0,0000	40-1	0,00000
40	0,43214	COMB7	114,4367	40-1	0,43214
40	0,86429	COMB7	218,7890	40-1	0,86429
40	0,00000	COMB7bis	0,0000	40-1	0,00000
40	0,43214	COMB7bis	97,4831	40-1	0,43214
40	0,86429	COMB7bis	186,3758	40-1	0,86429
41	0,00000	COMB7	276,4800	41-1	0,00000
41	0,43214	COMB7	151,9590	41-1	0,43214
41	0,86429	COMB7	17,3536	41-1	0,86429
41	0,00000	COMB7bis	235,5200	41-1	0,00000
41	0,43214	COMB7bis	129,4465	41-1	0,43214
41	0,86429	COMB7bis	14,7827	41-1	0,86429
42	0,00000	COMB7	-552,9600	42-1	0,00000
42	0,43214	COMB7	-677,4810	42-1	0,43214
42	0,86429	COMB7	-812,0864	42-1	0,86429
42	0,00000	COMB7bis	-471,0400	42-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
42	0,43214	COMB7bis	-577,1135	42-1	0,43214
42	0,86429	COMB7bis	-691,7773	42-1	0,86429
43	0,00000	COMB7	-552,9600	43-1	0,00000
43	0,43214	COMB7	-1035,9176	43-1	0,43214
43	0,86429	COMB7	-1528,9596	43-1	0,86429
43	0,00000	COMB7bis	-471,0400	43-1	0,00000
43	0,43214	COMB7bis	-882,4483	43-1	0,43214
43	0,86429	COMB7bis	-1302,4471	43-1	0,86429
44	0,00000	COMB7	-1935,3600	44-1	0,00000
44	0,45415	COMB7	-1689,7998	44-1	0,45415
44	0,90831	COMB7	-1455,3774	44-1	0,90831
44	0,00000	COMB7bis	-1648,6400	44-1	0,00000
44	0,45415	COMB7bis	-1439,4591	44-1	0,45415
44	0,90831	COMB7bis	-1239,7659	44-1	0,90831
45	0,00000	COMB7	-1935,3600	45-1	0,00000
45	0,45415	COMB7	-1940,9289	45-1	0,45415
45	0,90831	COMB7	-1957,6357	45-1	0,90831
45	0,00000	COMB7bis	-1648,6400	45-1	0,00000
45	0,45415	COMB7bis	-1653,3839	45-1	0,45415
45	0,90831	COMB7bis	-1667,6156	45-1	0,90831
46	0,00000	COMB7	-1935,3600	46-1	0,00000
46	0,45415	COMB7	-1940,9289	46-1	0,45415
46	0,90831	COMB7	-1957,6357	46-1	0,90831
46	0,00000	COMB7bis	-1648,6400	46-1	0,00000
46	0,45415	COMB7bis	-1653,3839	46-1	0,45415
46	0,90831	COMB7bis	-1667,6156	46-1	0,90831
47	0,00000	COMB7	-552,9600	47-1	0,00000
47	0,45415	COMB7	-558,5289	47-1	0,45415
47	0,90831	COMB7	-575,2357	47-1	0,90831
47	0,00000	COMB7bis	-471,0400	47-1	0,00000
47	0,45415	COMB7bis	-475,7839	47-1	0,45415
47	0,90831	COMB7bis	-490,0156	47-1	0,90831
48	0,00000	COMB7	552,9600	48-1	0,00000
48	0,45415	COMB7	296,2620	48-1	0,45415
48	0,90831	COMB7	28,4261	48-1	0,90831
48	0,00000	COMB7bis	471,0400	48-1	0,00000
48	0,45415	COMB7bis	252,3713	48-1	0,45415
48	0,90831	COMB7bis	24,2148	48-1	0,90831
49	0,00000	COMB7	-414,7200	49-1	0,00000
49	0,34475	COMB7	-131,9787	49-1	0,34475
49	0,68950	COMB7	144,3445	49-1	0,68950
49	1,03425	COMB7	414,2496	49-1	1,03425
49	0,00000	COMB7bis	-353,2800	49-1	0,00000
49	0,34475	COMB7bis	-112,4263	49-1	0,34475
49	0,68950	COMB7bis	122,9601	49-1	0,68950
49	1,03425	COMB7bis	352,8793	49-1	1,03425
50	0,00000	COMB7	138,2400	50-1	0,00000
50	0,34475	COMB7	420,9813	50-1	0,34475
50	0,68950	COMB7	697,3045	50-1	0,68950
50	1,03425	COMB7	967,2096	50-1	1,03425
50	0,00000	COMB7bis	117,7600	50-1	0,00000
50	0,34475	COMB7bis	358,6137	50-1	0,34475
50	0,68950	COMB7bis	594,0001	50-1	0,68950
50	1,03425	COMB7bis	823,9193	50-1	1,03425
51	0,00000	COMB7	967,6800	51-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
51	0,34475	COMB7	1155,1045	51-1	0,34475
51	0,68950	COMB7	1336,1109	51-1	0,68950
51	1,03425	COMB7	1510,6993	51-1	1,03425
51	0,00000	COMB7bis	824,3200	51-1	0,00000
51	0,34475	COMB7bis	983,9779	51-1	0,34475
51	0,68950	COMB7bis	1138,1686	51-1	0,68950
51	1,03425	COMB7bis	1286,8920	51-1	1,03425
52	0,00000	COMB7	1382,4000	52-1	0,00000
52	0,34475	COMB7	1665,1413	52-1	0,34475
52	0,68950	COMB7	1941,4645	52-1	0,68950
52	1,03425	COMB7	2211,3696	52-1	1,03425
52	0,00000	COMB7bis	1177,6000	52-1	0,00000
52	0,34475	COMB7bis	1418,4537	52-1	0,34475
52	0,68950	COMB7bis	1653,8401	52-1	0,68950
52	1,03425	COMB7bis	1883,7593	52-1	1,03425
53	0,00000	COMB7	2350,0800	53-1	0,00000
53	0,34475	COMB7	2442,1877	53-1	0,34475
53	0,68950	COMB7	2527,8774	53-1	0,68950
53	1,03425	COMB7	2607,1490	53-1	1,03425
53	0,00000	COMB7bis	2001,9200	53-1	0,00000
53	0,34475	COMB7bis	2080,3821	53-1	0,34475
53	0,68950	COMB7bis	2153,3770	53-1	0,68950
53	1,03425	COMB7bis	2220,9047	53-1	1,03425
54	0,00000	COMB7	2488,3200	54-1	0,00000
54	0,34475	COMB7	2580,4277	54-1	0,34475
54	0,68950	COMB7	2666,1174	54-1	0,68950
54	1,03425	COMB7	2745,3890	54-1	1,03425
54	0,00000	COMB7bis	2119,6800	54-1	0,00000
54	0,34475	COMB7bis	2198,1421	54-1	0,34475
54	0,68950	COMB7bis	2271,1370	54-1	0,68950
54	1,03425	COMB7bis	2338,6647	54-1	1,03425
55	0,00000	COMB7	2557,4400	55-1	0,00000
55	0,34475	COMB7	2411,2558	55-1	0,34475
55	0,68950	COMB7	2258,6535	55-1	0,68950
55	1,03425	COMB7	2099,6332	55-1	1,03425
55	0,00000	COMB7bis	2178,5600	55-1	0,00000
55	0,34475	COMB7bis	2054,0327	55-1	0,34475
55	0,68950	COMB7bis	1924,0382	55-1	0,68950
55	1,03425	COMB7bis	1788,5764	55-1	1,03425
56	0,00000	COMB7	2142,7200	56-1	0,00000
56	0,34475	COMB7	1996,5358	56-1	0,34475
56	0,68950	COMB7	1843,9335	56-1	0,68950
56	1,03425	COMB7	1684,9132	56-1	1,03425
56	0,00000	COMB7bis	1825,2800	56-1	0,00000
56	0,34475	COMB7bis	1700,7527	56-1	0,34475
56	0,68950	COMB7bis	1570,7582	56-1	0,68950
56	1,03425	COMB7bis	1435,2964	56-1	1,03425
57	0,00000	COMB7	1486,0800	57-1	0,00000
57	0,34475	COMB7	1339,8958	57-1	0,34475
57	0,68950	COMB7	1187,2935	57-1	0,68950
57	1,03425	COMB7	1028,2732	57-1	1,03425
57	0,00000	COMB7bis	1265,9200	57-1	0,00000
57	0,34475	COMB7bis	1141,3927	57-1	0,34475
57	0,68950	COMB7bis	1011,3982	57-1	0,68950
57	1,03425	COMB7bis	875,9364	57-1	1,03425

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
58	0,00000	COMB7	1175,0400	58-1	0,00000
58	0,34475	COMB7	1076,5142	58-1	0,34475
58	0,68950	COMB7	971,5703	58-1	0,68950
58	1,03425	COMB7	860,2083	58-1	1,03425
58	0,00000	COMB7bis	1000,9600	58-1	0,00000
58	0,34475	COMB7bis	917,0306	58-1	0,34475
58	0,68950	COMB7bis	827,6340	58-1	0,68950
58	1,03425	COMB7bis	732,7701	58-1	1,03425
59	0,00000	COMB7	846,7200	59-1	0,00000
59	0,34475	COMB7	724,3650	59-1	0,34475
59	0,68950	COMB7	595,5919	59-1	0,68950
59	1,03425	COMB7	460,4008	59-1	1,03425
59	0,00000	COMB7bis	721,2800	59-1	0,00000
59	0,34475	COMB7bis	617,0517	59-1	0,34475
59	0,68950	COMB7bis	507,3561	59-1	0,68950
59	1,03425	COMB7bis	392,1932	59-1	1,03425
60	0,00000	COMB7	427,6800	60-1	0,00000
60	0,34475	COMB7	210,0082	60-1	0,34475
60	0,68950	COMB7	-14,0816	60-1	0,68950
60	1,03425	COMB7	-244,5895	60-1	1,03425
60	0,00000	COMB7bis	364,3200	60-1	0,00000
60	0,34475	COMB7bis	178,8959	60-1	0,34475
60	0,68950	COMB7bis	-11,9955	60-1	0,68950
60	1,03425	COMB7bis	-208,3541	60-1	1,03425
94	0,40000	COMB7	-920,9565	94-1	0,40000
94	0,76250	COMB7	-799,4872	94-1	0,76250
94	1,12500	COMB7	-684,1322	94-1	1,12500
94	0,40000	COMB7bis	-783,2558	94-1	0,40000
94	0,76250	COMB7bis	-677,0799	94-1	0,76250
94	1,12500	COMB7bis	-577,0183	94-1	1,12500
95	0,00000	COMB7	-684,1322	95-1	0,00000
95	0,37500	COMB7	-572,5539	95-1	0,37500
95	0,75000	COMB7	-468,2827	95-1	0,75000
95	1,12500	COMB7	-371,5790	95-1	1,12500
95	0,00000	COMB7bis	-577,0183	95-1	0,00000
95	0,37500	COMB7bis	-481,0756	95-1	0,37500
95	0,75000	COMB7bis	-392,4400	95-1	0,75000
95	1,12500	COMB7bis	-311,3719	95-1	1,12500
96	0,00000	COMB7	-371,5790	96-1	0,00000
96	0,37500	COMB7	-283,6371	96-1	0,37500
96	0,75000	COMB7	-203,7836	96-1	0,75000
96	1,12500	COMB7	-132,2788	96-1	1,12500
96	0,00000	COMB7bis	-311,3719	96-1	0,00000
96	0,37500	COMB7bis	-238,8327	96-1	0,37500
96	0,75000	COMB7bis	-174,3816	96-1	0,75000
96	1,12500	COMB7bis	-118,2793	96-1	1,12500
97	0,00000	COMB7	-132,2788	97-1	0,00000
97	0,37500	COMB7	-69,8485	97-1	0,37500
97	0,75000	COMB7	-16,5485	97-1	0,75000
97	1,12500	COMB7	27,0999	97-1	1,12500
97	0,00000	COMB7bis	-118,2793	97-1	0,00000
97	0,37500	COMB7bis	-71,0669	97-1	0,37500
97	0,75000	COMB7bis	-32,9847	97-1	0,75000
97	1,12500	COMB7bis	-4,5541	97-1	1,12500
98	0,00000	COMB7	2,9798	98-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
98	0,33842	COMB7	77,7609	98-1	0,33842
98	0,67684	COMB7	141,5467	98-1	0,67684
98	1,01526	COMB7	193,7518	98-1	1,01526
98	0,00000	COMB7bis	-25,1009	98-1	0,00000
98	0,33842	COMB7bis	53,6689	98-1	0,33842
98	0,67684	COMB7bis	121,4433	98-1	0,67684
98	1,01526	COMB7bis	177,6371	98-1	1,01526
99	0,00000	COMB7	193,7518	99-1	0,00000
99	0,33842	COMB7	233,7908	99-1	0,33842
99	0,67684	COMB7	261,0845	99-1	0,67684
99	1,01526	COMB7	275,1939	99-1	1,01526
99	0,00000	COMB7bis	177,6371	99-1	0,00000
99	0,33842	COMB7bis	221,6647	99-1	0,33842
99	0,67684	COMB7bis	252,9471	99-1	0,67684
99	1,01526	COMB7bis	271,0451	99-1	1,01526
100	0,00000	COMB7	275,1939	100-1	0,00000
100	0,33842	COMB7	275,8201	100-1	0,33842
100	0,67684	COMB7	262,6706	100-1	0,67684
100	1,01526	COMB7	235,4525	100-1	1,01526
100	0,00000	COMB7bis	271,0451	100-1	0,00000
100	0,33842	COMB7bis	275,6600	100-1	0,33842
100	0,67684	COMB7bis	266,4991	100-1	0,67684
100	1,01526	COMB7bis	243,2696	100-1	1,01526
101	0,00000	COMB7	235,4525	101-1	0,00000
101	0,33842	COMB7	193,8733	101-1	0,33842
101	0,67684	COMB7	137,6402	101-1	0,67684
101	1,01526	COMB7	66,4606	101-1	1,01526
101	0,00000	COMB7bis	243,2696	101-1	0,00000
101	0,33842	COMB7bis	205,6791	101-1	0,33842
101	0,67684	COMB7bis	153,4346	101-1	0,67684
101	1,01526	COMB7bis	86,2437	101-1	1,01526
102	0,00000	COMB7	66,4606	102-1	0,00000
102	0,33842	COMB7	-19,9582	102-1	0,33842
102	0,67684	COMB7	-121,9148	102-1	0,67684
102	1,01526	COMB7	-239,8451	102-1	1,01526
102	0,00000	COMB7bis	86,2437	102-1	0,00000
102	0,33842	COMB7bis	3,8135	102-1	0,33842
102	0,67684	COMB7bis	-94,1545	102-1	0,67684
102	1,01526	COMB7bis	-208,0961	102-1	1,01526
103	0,00000	COMB7	-239,8451	103-1	0,00000
103	0,01526	COMB7	-245,5473	103-1	0,01526
103	0,00000	COMB7bis	-208,0961	103-1	0,00000
103	0,01526	COMB7bis	-213,6185	103-1	0,01526
104	0,40000	COMB7	920,9993	104-1	0,40000
104	0,76250	COMB7	799,5297	104-1	0,76250
104	1,12500	COMB7	684,1744	104-1	1,12500
104	0,40000	COMB7bis	783,2986	104-1	0,40000
104	0,76250	COMB7bis	677,1224	104-1	0,76250
104	1,12500	COMB7bis	577,0605	104-1	1,12500
105	0,00000	COMB7	684,1744	105-1	0,00000
105	0,37500	COMB7	572,5944	105-1	0,37500
105	0,75000	COMB7	468,3214	105-1	0,75000
105	1,12500	COMB7	371,6160	105-1	1,12500
105	0,00000	COMB7bis	577,0605	105-1	0,00000
105	0,37500	COMB7bis	481,1161	105-1	0,37500

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
105	0,75000	COMB7bis	392,4788	105-1	0,75000
105	1,12500	COMB7bis	311,4090	105-1	1,12500
106	0,00000	COMB7	371,6160	106-1	0,00000
106	0,37500	COMB7	283,6699	106-1	0,37500
106	0,75000	COMB7	203,8122	106-1	0,75000
106	1,12500	COMB7	132,3031	106-1	1,12500
106	0,00000	COMB7bis	311,4090	106-1	0,00000
106	0,37500	COMB7bis	238,8655	106-1	0,37500
106	0,75000	COMB7bis	174,4103	106-1	0,75000
106	1,12500	COMB7bis	118,3037	106-1	1,12500
107	0,00000	COMB7	132,3031	107-1	0,00000
107	0,37500	COMB7	69,8652	107-1	0,37500
107	0,75000	COMB7	16,5575	107-1	0,75000
107	1,12500	COMB7	-27,0986	107-1	1,12500
107	0,00000	COMB7bis	118,3037	107-1	0,00000
107	0,37500	COMB7bis	71,0836	107-1	0,37500
107	0,75000	COMB7bis	32,9937	107-1	0,75000
107	1,12500	COMB7bis	4,5554	107-1	1,12500
108	0,00000	COMB7	-2,9785	108-1	0,00000
108	0,33842	COMB7	-77,7683	108-1	0,33842
108	0,67684	COMB7	-141,5622	108-1	0,67684
108	1,01526	COMB7	-193,7749	108-1	1,01526
108	0,00000	COMB7bis	25,1022	108-1	0,00000
108	0,33842	COMB7bis	-53,6763	108-1	0,33842
108	0,67684	COMB7bis	-121,4588	108-1	0,67684
108	1,01526	COMB7bis	-177,6601	108-1	1,01526
109	0,00000	COMB7	-193,7749	109-1	0,00000
109	0,33842	COMB7	-233,8209	109-1	0,33842
109	0,67684	COMB7	-261,1210	109-1	0,67684
109	1,01526	COMB7	-275,2362	109-1	1,01526
109	0,00000	COMB7bis	-177,6601	109-1	0,00000
109	0,33842	COMB7bis	-221,6948	109-1	0,33842
109	0,67684	COMB7bis	-252,9835	109-1	0,67684
109	1,01526	COMB7bis	-271,0874	109-1	1,01526
110	0,00000	COMB7	-275,2362	110-1	0,00000
110	0,33842	COMB7	-275,8677	110-1	0,33842
110	0,67684	COMB7	-262,7228	110-1	0,67684
110	1,01526	COMB7	-235,5088	110-1	1,01526
110	0,00000	COMB7bis	-271,0874	110-1	0,00000
110	0,33842	COMB7bis	-275,7075	110-1	0,33842
110	0,67684	COMB7bis	-266,5513	110-1	0,67684
110	1,01526	COMB7bis	-243,3260	110-1	1,01526
111	0,00000	COMB7	-235,5088	111-1	0,00000
111	0,33842	COMB7	-193,9332	111-1	0,33842
111	0,67684	COMB7	-137,7031	111-1	0,67684
111	1,01526	COMB7	-66,5258	111-1	1,01526
111	0,00000	COMB7bis	-243,3260	111-1	0,00000
111	0,33842	COMB7bis	-205,7390	111-1	0,33842
111	0,67684	COMB7bis	-153,4975	111-1	0,67684
111	1,01526	COMB7bis	-86,3089	111-1	1,01526
112	0,00000	COMB7	-66,5258	112-1	0,00000
112	0,33842	COMB7	19,8911	112-1	0,33842
112	0,67684	COMB7	121,8466	112-1	0,67684
112	1,01526	COMB7	239,7761	112-1	1,01526
112	0,00000	COMB7bis	-86,3089	112-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
112	0,33842	COMB7bis	-3,8806	112-1	0,33842
112	0,67684	COMB7bis	94,0862	112-1	0,67684
112	1,01526	COMB7bis	208,0271	112-1	1,01526
113	0,00000	COMB7	239,7761	113-1	0,00000
113	0,01526	COMB7	245,4782	113-1	0,01526
113	0,00000	COMB7bis	208,0271	113-1	0,00000
113	0,01526	COMB7bis	213,5494	113-1	0,01526
114	0,50000	COMB7	-456,7170	114-1	0,50000
114	0,87056	COMB7	-271,2410	114-1	0,87056
114	1,24111	COMB7	-78,3501	114-1	1,24111
114	0,50000	COMB7bis	-448,2094	114-1	0,50000
114	0,87056	COMB7bis	-290,1165	114-1	0,87056
114	1,24111	COMB7bis	-125,7072	114-1	1,24111
115	0,00000	COMB7	-78,3501	115-1	0,00000
115	0,41370	COMB7	33,0374	115-1	0,41370
115	0,82741	COMB7	153,6672	115-1	0,82741
115	1,24111	COMB7	283,5391	115-1	1,24111
115	0,00000	COMB7bis	-125,7072	115-1	0,00000
115	0,41370	COMB7bis	-30,7040	115-1	0,41370
115	0,82741	COMB7bis	72,1721	115-1	0,82741
115	1,24111	COMB7bis	182,9213	115-1	1,24111
116	0,00000	COMB7	283,5391	116-1	0,00000
116	0,41370	COMB7	360,2610	116-1	0,41370
116	0,82741	COMB7	446,2251	116-1	0,82741
116	1,24111	COMB7	541,4313	116-1	1,24111
116	0,00000	COMB7bis	182,9213	116-1	0,00000
116	0,41370	COMB7bis	248,3776	116-1	0,41370
116	0,82741	COMB7bis	321,7069	116-1	0,82741
116	1,24111	COMB7bis	402,9092	116-1	1,24111
117	0,00000	COMB7	541,4313	117-1	0,00000
117	0,41370	COMB7	583,6826	117-1	0,41370
117	0,82741	COMB7	635,1761	117-1	0,82741
117	1,24111	COMB7	695,9118	117-1	1,24111
117	0,00000	COMB7bis	402,9092	117-1	0,00000
117	0,41370	COMB7bis	438,9683	117-1	0,41370
117	0,82741	COMB7bis	482,9003	117-1	0,82741
117	1,24111	COMB7bis	534,7053	117-1	1,24111
118	0,00000	COMB7	695,9118	118-1	0,00000
118	0,41370	COMB7	703,8213	118-1	0,41370
118	0,82741	COMB7	720,9729	118-1	0,82741
118	1,24111	COMB7	747,3667	118-1	1,24111
118	0,00000	COMB7bis	534,7053	118-1	0,00000
118	0,41370	COMB7bis	541,4668	118-1	0,41370
118	0,82741	COMB7bis	556,1013	118-1	0,82741
118	1,24111	COMB7bis	578,6087	118-1	1,24111
119	0,00000	COMB7	747,3667	119-1	0,00000
119	0,41370	COMB7	720,9790	119-1	0,41370
119	0,82741	COMB7	703,8335	119-1	0,82741
119	1,24111	COMB7	695,9302	119-1	1,24111
119	0,00000	COMB7bis	578,6087	119-1	0,00000
119	0,41370	COMB7bis	556,1074	119-1	0,41370
119	0,82741	COMB7bis	541,4791	119-1	0,82741
119	1,24111	COMB7bis	534,7237	119-1	1,24111
120	0,00000	COMB7	695,9302	120-1	0,00000
120	0,41370	COMB7	635,2003	120-1	0,41370

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
120	0,82741	COMB7	583,7126	120-1	0,82741
120	1,24111	COMB7	541,4671	120-1	1,24111
120	0,00000	COMB7bis	534,7237	120-1	0,00000
120	0,41370	COMB7bis	482,9245	120-1	0,41370
120	0,82741	COMB7bis	438,9983	120-1	0,82741
120	1,24111	COMB7bis	402,9450	120-1	1,24111
121	0,00000	COMB7	541,4671	121-1	0,00000
121	0,41370	COMB7	446,2660	121-1	0,41370
121	0,82741	COMB7	360,3070	121-1	0,82741
121	1,24111	COMB7	283,5903	121-1	1,24111
121	0,00000	COMB7bis	402,9450	121-1	0,00000
121	0,41370	COMB7bis	321,7479	121-1	0,41370
121	0,82741	COMB7bis	248,4237	121-1	0,82741
121	1,24111	COMB7bis	182,9726	121-1	1,24111
122	0,00000	COMB7	283,5903	122-1	0,00000
122	0,41370	COMB7	153,7226	122-1	0,41370
122	0,82741	COMB7	33,0970	122-1	0,82741
122	1,24111	COMB7	-78,2863	122-1	1,24111
122	0,00000	COMB7bis	182,9726	122-1	0,00000
122	0,41370	COMB7bis	72,2276	122-1	0,41370
122	0,82741	COMB7bis	-30,6443	122-1	0,82741
122	1,24111	COMB7bis	-125,6433	122-1	1,24111
123	0,00000	COMB7	-78,2863	123-1	0,00000
123	0,37056	COMB7	-271,1755	123-1	0,37056
123	0,74111	COMB7	-456,6498	123-1	0,74111
123	0,00000	COMB7bis	-125,6433	123-1	0,00000
123	0,37056	COMB7bis	-290,0509	123-1	0,37056
123	0,74111	COMB7bis	-448,1422	123-1	0,74111
124	0,50000	COMB7	788,1637	124-1	0,50000
124	0,87056	COMB7	600,3802	124-1	0,87056
124	1,24111	COMB7	425,2021	124-1	1,24111
124	0,50000	COMB7bis	674,0854	124-1	0,50000
124	0,87056	COMB7bis	514,1219	124-1	0,87056
124	1,24111	COMB7bis	364,8963	124-1	1,24111
125	0,00000	COMB7	425,2021	125-1	0,00000
125	0,41370	COMB7	244,5187	125-1	0,41370
125	0,82741	COMB7	79,5470	125-1	0,82741
125	1,24111	COMB7	-69,7130	125-1	1,24111
125	0,00000	COMB7bis	364,8963	125-1	0,00000
125	0,41370	COMB7bis	210,9810	125-1	0,41370
125	0,82741	COMB7bis	70,4498	125-1	0,82741
125	1,24111	COMB7bis	-56,6974	125-1	1,24111
126	0,00000	COMB7	-69,7130	126-1	0,00000
126	0,41370	COMB7	-203,2612	126-1	0,41370
126	0,82741	COMB7	-321,0977	126-1	0,82741
126	1,24111	COMB7	-423,2225	126-1	1,24111
126	0,00000	COMB7bis	-56,6974	126-1	0,00000
126	0,41370	COMB7bis	-170,4605	126-1	0,41370
126	0,82741	COMB7bis	-270,8395	126-1	0,82741
126	1,24111	COMB7bis	-357,8345	126-1	1,24111
127	0,00000	COMB7	-423,2225	127-1	0,00000
127	0,41370	COMB7	-509,6356	127-1	0,41370
127	0,82741	COMB7	-580,3369	127-1	0,82741
127	1,24111	COMB7	-635,3265	127-1	1,24111
127	0,00000	COMB7bis	-357,8345	127-1	0,00000

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
127	0,41370	COMB7bis	-431,4454	127-1	0,41370
127	0,82741	COMB7bis	-491,6723	127-1	0,82741
127	1,24111	COMB7bis	-538,5151	127-1	1,24111
128	0,00000	COMB7	-635,3265	128-1	0,00000
128	0,41370	COMB7	-674,6044	128-1	0,41370
128	0,82741	COMB7	-698,1706	128-1	0,82741
128	1,24111	COMB7	-706,0250	128-1	1,24111
128	0,00000	COMB7bis	-538,5151	128-1	0,00000
128	0,41370	COMB7bis	-571,9738	128-1	0,41370
128	0,82741	COMB7bis	-592,0484	128-1	0,82741
128	1,24111	COMB7bis	-598,7390	128-1	1,24111
129	0,00000	COMB7	-706,0250	129-1	0,00000
129	0,41370	COMB7	-698,1677	129-1	0,41370
129	0,82741	COMB7	-674,5987	129-1	0,82741
129	1,24111	COMB7	-635,3179	129-1	1,24111
129	0,00000	COMB7bis	-598,7390	129-1	0,00000
129	0,41370	COMB7bis	-592,0456	129-1	0,41370
129	0,82741	COMB7bis	-571,9680	129-1	0,82741
129	1,24111	COMB7bis	-538,5064	129-1	1,24111
130	0,00000	COMB7	-635,3179	130-1	0,00000
130	0,41370	COMB7	-580,3254	130-1	0,41370
130	0,82741	COMB7	-509,6212	130-1	0,82741
130	1,24111	COMB7	-423,2053	130-1	1,24111
130	0,00000	COMB7bis	-538,5064	130-1	0,00000
130	0,41370	COMB7bis	-491,6608	130-1	0,41370
130	0,82741	COMB7bis	-431,4311	130-1	0,82741
130	1,24111	COMB7bis	-357,8173	130-1	1,24111
131	0,00000	COMB7	-423,2053	131-1	0,00000
131	0,41370	COMB7	-321,0776	131-1	0,41370
131	0,82741	COMB7	-203,2383	131-1	0,82741
131	1,24111	COMB7	-69,6871	131-1	1,24111
131	0,00000	COMB7bis	-357,8173	131-1	0,00000
131	0,41370	COMB7bis	-270,8194	131-1	0,41370
131	0,82741	COMB7bis	-170,4375	131-1	0,82741
131	1,24111	COMB7bis	-56,6715	131-1	1,24111
132	0,00000	COMB7	-69,6871	132-1	0,00000
132	0,41370	COMB7	79,5757	132-1	0,41370
132	0,82741	COMB7	244,5503	132-1	0,82741
132	1,24111	COMB7	425,2366	132-1	1,24111
132	0,00000	COMB7bis	-56,6715	132-1	0,00000
132	0,41370	COMB7bis	70,4785	132-1	0,41370
132	0,82741	COMB7bis	211,0126	132-1	0,82741
132	1,24111	COMB7bis	364,9308	132-1	1,24111
133	0,00000	COMB7	425,2366	133-1	0,00000
133	0,37056	COMB7	600,4173	133-1	0,37056
133	0,74111	COMB7	788,2033	133-1	0,74111
133	0,00000	COMB7bis	364,9308	133-1	0,00000
133	0,37056	COMB7bis	514,1590	133-1	0,37056
133	0,74111	COMB7bis	674,1250	133-1	0,74111
134	0,50000	COMB7	-1,199E-16	134-1	0,50000
134	0,87056	COMB7	-16,5692	134-1	0,87056
134	1,24111	COMB7	-32,0262	134-1	1,24111
134	0,50000	COMB7bis	-1,021E-16	134-1	0,50000
134	0,87056	COMB7bis	-14,1145	134-1	0,87056
134	1,24111	COMB7bis	-27,2816	134-1	1,24111

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
135	0,00000	COMB7	-32,0262	135-1	0,00000
135	0,41370	COMB7	-47,9690	135-1	0,41370
135	0,82741	COMB7	-62,5255	135-1	0,82741
135	1,24111	COMB7	-75,6956	135-1	1,24111
135	0,00000	COMB7bis	-27,2816	135-1	0,00000
135	0,41370	COMB7bis	-40,8625	135-1	0,41370
135	0,82741	COMB7bis	-53,2624	135-1	0,82741
135	1,24111	COMB7bis	-64,4814	135-1	1,24111
136	0,00000	COMB7	-75,6956	136-1	0,00000
136	0,41370	COMB7	-87,4794	136-1	0,41370
136	0,82741	COMB7	-97,8769	136-1	0,82741
136	1,24111	COMB7	-106,8880	136-1	1,24111
136	0,00000	COMB7bis	-64,4814	136-1	0,00000
136	0,41370	COMB7bis	-74,5195	136-1	0,41370
136	0,82741	COMB7bis	-83,3766	136-1	0,82741
136	1,24111	COMB7bis	-91,0527	136-1	1,24111
137	0,00000	COMB7	-106,8880	137-1	0,00000
137	0,41370	COMB7	-114,5128	137-1	0,41370
137	0,82741	COMB7	-120,7513	137-1	0,82741
137	1,24111	COMB7	-125,6034	137-1	1,24111
137	0,00000	COMB7bis	-91,0527	137-1	0,00000
137	0,41370	COMB7bis	-97,5480	137-1	0,41370
137	0,82741	COMB7bis	-102,8622	137-1	0,82741
137	1,24111	COMB7bis	-106,9955	137-1	1,24111
138	0,00000	COMB7	-125,6034	138-1	0,00000
138	0,41370	COMB7	-129,0693	138-1	0,41370
138	0,82741	COMB7	-131,1488	138-1	0,82741
138	1,24111	COMB7	-131,8419	138-1	1,24111
138	0,00000	COMB7bis	-106,9955	138-1	0,00000
138	0,41370	COMB7bis	-109,9479	138-1	0,41370
138	0,82741	COMB7bis	-111,7193	138-1	0,82741
138	1,24111	COMB7bis	-112,3098	138-1	1,24111
139	0,00000	COMB7	-131,8419	139-1	0,00000
139	0,41370	COMB7	-131,1488	139-1	0,41370
139	0,82741	COMB7	-129,0693	139-1	0,82741
139	1,24111	COMB7	-125,6034	139-1	1,24111
139	0,00000	COMB7bis	-112,3098	139-1	0,00000
139	0,41370	COMB7bis	-111,7193	139-1	0,41370
139	0,82741	COMB7bis	-109,9479	139-1	0,82741
139	1,24111	COMB7bis	-106,9955	139-1	1,24111
140	0,00000	COMB7	-125,6034	140-1	0,00000
140	0,41370	COMB7	-120,7513	140-1	0,41370
140	0,82741	COMB7	-114,5128	140-1	0,82741
140	1,24111	COMB7	-106,8880	140-1	1,24111
140	0,00000	COMB7bis	-106,9955	140-1	0,00000
140	0,41370	COMB7bis	-102,8622	140-1	0,41370
140	0,82741	COMB7bis	-97,5480	140-1	0,82741
140	1,24111	COMB7bis	-91,0527	140-1	1,24111
141	0,00000	COMB7	-106,8880	141-1	0,00000
141	0,41370	COMB7	-97,8769	141-1	0,41370
141	0,82741	COMB7	-87,4794	141-1	0,82741
141	1,24111	COMB7	-75,6956	141-1	1,24111
141	0,00000	COMB7bis	-91,0527	141-1	0,00000
141	0,41370	COMB7bis	-83,3766	141-1	0,41370
141	0,82741	COMB7bis	-74,5195	141-1	0,82741

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
141	1,24111	COMB7bis	-64,4814	141-1	1,24111
142	0,00000	COMB7	-75,6956	142-1	0,00000
142	0,41370	COMB7	-62,5255	142-1	0,41370
142	0,82741	COMB7	-47,9690	142-1	0,82741
142	1,24111	COMB7	-32,0262	142-1	1,24111
142	0,00000	COMB7bis	-64,4814	142-1	0,00000
142	0,41370	COMB7bis	-53,2624	142-1	0,41370
142	0,82741	COMB7bis	-40,8625	142-1	0,82741
142	1,24111	COMB7bis	-27,2816	142-1	1,24111
143	0,00000	COMB7	-32,0262	143-1	0,00000
143	0,37056	COMB7	-16,5692	143-1	0,37056
143	0,74111	COMB7	-9,405E-13	143-1	0,74111
143	0,00000	COMB7bis	-27,2816	143-1	0,00000
143	0,37056	COMB7bis	-14,1145	143-1	0,37056
143	0,74111	COMB7bis	-9,708E-13	143-1	0,74111

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

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

Frame	Joint	OutputCase	CaseType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
1	1	COMB7	Combination	-3,638	-0,599	1980,565	-194,8646	36,7036
1	2	COMB7	Combination	3,638	0,599	-1924,715	187,3712	-1468,0733
1	1	COMB7bis	Combination	-3,099	-0,510	1687,148	-165,9958	31,2660
1	2	COMB7bis	Combination	3,099	0,510	-1639,572	159,6125	-1250,5810
2	2	COMB7	Combination	-1,494	-0,548	1272,085	-129,8367	866,1605
2	3	COMB7	Combination	1,494	0,548	-1216,235	132,1566	-2055,5815
2	2	COMB7bis	Combination	-1,273	-0,467	1083,628	-110,6017	737,8405
2	3	COMB7bis	Combination	1,273	0,467	-1036,052	112,5778	-1751,0509
3	3	COMB7	Combination	-4,346	-0,536	27,925	-134,4187	2110,3036
3	4	COMB7	Combination	3,266	0,536	27,925	109,7131	-2746,7933
3	3	COMB7bis	Combination	-3,702	-0,456	23,788	-114,5048	1797,6660
3	4	COMB7bis	Combination	2,782	0,456	23,788	93,4593	-2339,8610
4	4	COMB7	Combination	-3,707	-0,316	1202,965	-70,3286	2075,7436
4	5	COMB7	Combination	3,707	0,316	-1147,115	76,7422	-2573,9933
4	4	COMB7bis	Combination	-3,158	-0,270	1024,748	-59,9095	1768,2260
4	5	COMB7bis	Combination	3,158	0,270	-977,172	65,3730	-2192,6610
5	5	COMB7	Combination	-3,616	-0,388	183,445	-70,3560	2196,7036
5	6	COMB7	Combination	3,616	0,388	-127,595	68,1608	-2539,4333
5	5	COMB7bis	Combination	-3,080	-0,331	156,268	-59,9329	1871,2660
5	6	COMB7bis	Combination	3,080	0,331	-108,692	58,0629	-2163,2210
6	6	COMB7	Combination	-0,495	-0,207	-41,195	-74,0207	2732,3836
6	7	COMB7	Combination	0,495	0,207	97,045	75,3261	-2608,5533
6	6	COMB7bis	Combination	-0,421	-0,176	-35,092	-63,0547	2327,5860
6	7	COMB7bis	Combination	0,421	0,176	82,668	64,1667	-2222,1010
7	7	COMB7	Combination	-1,136	-0,156	-749,675	-35,4178	2283,0527
7	8	COMB7	Combination	1,136	0,156	805,525	46,2690	-1364,4289
7	7	COMB7bis	Combination	-0,968	-0,133	-638,612	-30,1707	1944,8226
7	8	COMB7bis	Combination	0,968	0,133	686,188	39,4144	-1162,2913
8	8	COMB7	Combination	2,062	-0,118	-404,075	-37,6311	1177,2515
8	9	COMB7	Combination	-2,062	0,118	459,925	46,1604	-534,9059
8	8	COMB7bis	Combination	1,756	-0,101	-344,212	-32,0561	1002,8438
8	9	COMB7bis	Combination	-1,756	0,101	391,788	39,3218	-455,6606
9	9	COMB7	Combination	0,695	-0,143	-576,875	-27,2160	278,6236
9	10	COMB7	Combination	-0,695	0,143	632,725	16,4462	190,8067

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

Frame	Joint	OutputCase	CaseType	F1	F2	F3	M1	M2
				KN	KN	KN	KN-m	KN-m
9	9	COMB7bis	Combination	0,592	-0,122	-491,412	-23,1840	237,3460
9	10	COMB7bis	Combination	-0,592	0,122	538,988	14,0097	162,5390
10	10	COMB7	Combination	2,238	-0,143	477,205	-39,4922	71,2636
10	11	COMB7	Combination	-2,238	0,143	-421,355	32,1919	52,5667
10	10	COMB7bis	Combination	1,906	-0,122	406,508	-33,6415	60,7060
10	11	COMB7bis	Combination	-1,906	0,122	-358,932	27,4227	44,7790
11	11	COMB7	Combination	0,436	-0,139	356,245	-60,4058	123,1036
11	12	COMB7	Combination	-0,436	0,139	-300,395	39,2934	259,9267
11	11	COMB7bis	Combination	0,371	-0,119	303,468	-51,4568	104,8660
11	12	COMB7bis	Combination	-0,371	0,119	-255,892	33,4721	221,4190
12	12	COMB7	Combination	2,537	-0,165	235,285	-8,5667	-15,1195
12	13	COMB7	Combination	-2,537	0,165	-179,435	23,9674	-51,1015
12	12	COMB7bis	Combination	2,161	-0,140	200,428	-7,2976	-12,8795
12	13	COMB7bis	Combination	-2,161	0,140	-152,852	20,4167	-43,5309
13	13	COMB7	Combination	1,114	-0,151	197,730	-205,4724	169,7912
13	14	COMB7	Combination	-1,114	0,286	-148,675	175,5597	-180,5736
13	13	COMB7bis	Combination	0,949	-0,128	168,436	-175,0320	144,6370
13	14	COMB7bis	Combination	-0,949	0,243	-126,649	149,5509	-153,8220
14	14	COMB7	Combination	1,371	-0,403	751,141	402,3876	169,7203
14	15	COMB7	Combination	-1,371	0,403	-702,087	-1240,5960	-189,2139
14	14	COMB7bis	Combination	1,168	-0,343	639,861	342,7746	144,5766
14	15	COMB7bis	Combination	-1,168	0,343	-598,074	-1056,8040	-161,1822
15	15	COMB7	Combination	0,274	-0,381	743,538	1023,7828	178,4328
15	16	COMB7	Combination	-0,274	0,381	-694,484	-1739,5918	-180,5727
15	15	COMB7bis	Combination	0,234	-0,325	633,384	872,1113	151,9983
15	16	COMB7bis	Combination	-0,234	0,325	-591,597	-1481,8745	-153,8212
16	16	COMB7	Combination	0,266	-0,418	323,325	1763,1969	178,4691
16	17	COMB7	Combination	-0,266	0,283	-412,511	-2073,0860	-197,8520
16	16	COMB7bis	Combination	0,226	-0,356	275,425	1501,9826	152,0292
16	17	COMB7bis	Combination	-0,226	0,241	-351,398	-1765,9621	-168,5406
17	17	COMB7	Combination	0,025	-0,323	189,938	2296,9462	195,6048
17	18	COMB7	Combination	-0,025	0,255	-140,883	-2506,8988	-215,1340
17	17	COMB7bis	Combination	0,022	-0,275	161,799	1956,6578	166,6263
17	18	COMB7bis	Combination	-0,022	0,217	-120,012	-2135,5064	-183,2623
18	18	COMB7	Combination	-0,110	-0,203	-400,573	2591,8027	94,9191
18	19	COMB7	Combination	0,110	0,203	447,243	-2440,6274	-94,8291
18	18	COMB7bis	Combination	-0,093	-0,173	-341,229	2207,8319	80,8570
18	19	COMB7bis	Combination	0,093	0,173	380,985	-2079,0530	-80,7803
19	19	COMB7	Combination	-0,266	-0,320	-394,315	2357,3134	43,0791
19	20	COMB7	Combination	0,266	0,320	440,985	-2069,6035	-34,3491
19	19	COMB7bis	Combination	-0,226	-0,272	-335,898	2008,0818	36,6970
19	20	COMB7bis	Combination	0,226	0,272	375,654	-1762,9955	-29,2604
20	20	COMB7	Combination	-1,118	-0,202	-416,905	2042,7785	43,0790
20	21	COMB7	Combination	1,118	0,202	463,574	-1870,1810	-60,2692
20	20	COMB7bis	Combination	-0,952	-0,172	-355,141	1740,1446	36,6969
20	21	COMB7bis	Combination	0,952	0,172	394,897	-1593,1171	-51,3404
21	21	COMB7	Combination	0,287	-0,272	-376,086	1600,9287	43,0790
21	22	COMB7	Combination	-0,287	0,272	422,756	-946,1975	-42,9892
21	21	COMB7bis	Combination	0,244	-0,232	-320,370	1363,7540	36,6969
21	22	COMB7bis	Combination	-0,244	0,232	360,126	-806,0201	-36,6204
22	22	COMB7	Combination	-0,456	-0,200	-582,495	1155,5855	51,7190
22	23	COMB7	Combination	0,456	0,166	629,165	-444,8743	-34,3492
22	22	COMB7bis	Combination	-0,388	-0,171	-496,200	984,3877	44,0569
22	23	COMB7bis	Combination	0,388	0,142	535,955	-378,9670	-29,2604
23	23	COMB7	Combination	-0,160	-0,155	-530,656	360,7045	25,7990

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

Frame	Joint	OutputCase	CaseType	F1	F2	F3	M1	M2
				KN	KN	KN	KN-m	KN-m
23	24	COMB7	Combination	0,160	0,155	577,326	108,0878	-25,7092
23	23	COMB7bis	Combination	-0,137	-0,132	-452,040	307,2668	21,9769
23	24	COMB7bis	Combination	0,137	0,132	491,796	92,0748	-21,9004
24	24	COMB7	Combination	-1,477	-0,281	-220,099	104,0161	66,8137
24	25	COMB7	Combination	1,477	0,281	266,768	378,6422	-71,0747
24	24	COMB7bis	Combination	-1,258	-0,239	-187,491	88,6063	56,9153
24	25	COMB7bis	Combination	1,258	0,239	227,247	322,5471	-60,5451
25	25	COMB7	Combination	-1,028	-0,240	338,965	-288,0092	73,9341
25	26	COMB7	Combination	1,028	0,240	-283,115	283,0494	133,4270
25	25	COMB7bis	Combination	-0,875	-0,205	288,748	-245,3412	62,9809
25	26	COMB7bis	Combination	0,875	0,205	-241,172	241,1162	113,6601
26	26	COMB7	Combination	-0,860	-0,211	-23,915	-293,7552	-29,7466
26	27	COMB7	Combination	0,860	0,211	79,765	293,7633	-108,4934
26	26	COMB7bis	Combination	-0,732	-0,180	-20,372	-250,2359	-25,3397
26	27	COMB7bis	Combination	0,732	0,180	67,948	250,2428	-92,4203
27	27	COMB7	Combination	-1,036	-0,194	269,845	-311,0352	160,3334
27	28	COMB7	Combination	1,036	0,194	-213,995	311,0433	-4,8134
27	27	COMB7bis	Combination	-0,882	-0,165	229,868	-264,9559	136,5803
27	28	COMB7bis	Combination	0,882	0,165	-182,292	264,9628	-4,1003
28	28	COMB7	Combination	-1,240	-0,215	148,885	-365,1460	-150,7066
28	29	COMB7	Combination	1,240	0,215	-93,035	367,1454	306,2266
28	28	COMB7bis	Combination	-1,056	-0,183	126,828	-311,0503	-128,3797
28	29	COMB7bis	Combination	1,056	0,183	-79,252	312,7535	260,8597
29	29	COMB7	Combination	-0,771	-0,194	200,725	-345,5964	-306,2266
29	30	COMB7	Combination	0,771	0,194	-144,875	345,6025	479,0266
29	29	COMB7bis	Combination	-0,657	-0,165	170,988	-294,3970	-260,8597
29	30	COMB7bis	Combination	0,657	0,165	-123,412	294,4021	408,0597
30	30	COMB7	Combination	-0,485	-0,240	200,725	-380,1552	-461,7466
30	31	COMB7	Combination	0,485	0,240	-144,875	380,1633	651,8266
30	30	COMB7bis	Combination	-0,413	-0,205	170,988	-323,8359	-393,3397
30	31	COMB7bis	Combination	0,413	0,205	-123,412	323,8428	555,2597
31	31	COMB7	Combination	-1,741	-0,253	10,645	-371,5152	-720,9466
31	32	COMB7	Combination	1,741	0,253	45,205	371,5233	755,5066
31	31	COMB7bis	Combination	-1,483	-0,216	9,068	-316,4759	-614,1397
31	32	COMB7bis	Combination	1,483	0,216	38,508	316,4828	643,5797
32	32	COMB7	Combination	-0,898	-0,325	79,765	-388,7964	-703,6666
32	33	COMB7	Combination	0,898	0,325	-23,915	388,8025	755,5066
32	32	COMB7bis	Combination	-0,765	-0,277	67,948	-331,1970	-599,4197
32	33	COMB7bis	Combination	0,765	0,277	-20,372	331,2021	643,5797
33	33	COMB7	Combination	-0,474	-0,359	-6,635	-397,4352	-841,9066
33	34	COMB7	Combination	0,474	0,359	62,485	397,4433	755,5066
33	33	COMB7bis	Combination	-0,403	-0,305	-5,652	-338,5559	-717,1797
33	34	COMB7bis	Combination	0,403	0,305	53,228	338,5628	643,5797
34	34	COMB7	Combination	0,430	-0,262	-75,755	-406,0752	-755,5066
34	35	COMB7	Combination	-0,430	0,262	131,605	406,0833	651,8266
34	34	COMB7bis	Combination	0,366	-0,223	-64,532	-345,9159	-643,5797
34	35	COMB7bis	Combination	-0,366	0,223	112,108	345,9228	555,2597
35	35	COMB7	Combination	0,595	-0,156	-110,315	-406,0764	-599,9866
35	36	COMB7	Combination	-0,595	0,156	166,165	406,0825	409,9066
35	35	COMB7bis	Combination	0,507	-0,133	-93,972	-345,9170	-511,0997
35	36	COMB7bis	Combination	-0,507	0,133	141,548	345,9221	349,1797
36	36	COMB7	Combination	1,238	-0,051	-41,195	-431,9738	-513,5866
36	37	COMB7	Combination	-1,238	0,051	97,045	432,0183	617,2666
36	36	COMB7bis	Combination	1,055	-0,043	-35,092	-367,9777	-437,4997
36	37	COMB7bis	Combination	-1,055	0,043	82,668	368,0156	525,8197

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

Frame	Joint	OutputCase	CaseType	F1	F2	F3	M1	M2
				KN	KN	KN	KN-m	KN-m
37	37	COMB7	Combination	0,030	-0,500	142,572	-508,3213	-617,1051
37	38	COMB7	Combination	-0,030	0,500	-95,901	364,0674	615,9890
37	37	COMB7bis	Combination	0,025	-0,426	121,450	-433,0145	-525,6822
37	38	COMB7bis	Combination	-0,025	0,426	-81,693	310,1314	524,7314
38	38	COMB7	Combination	-0,397	-0,898	-132,184	-203,9985	-608,4693
38	39	COMB7	Combination	0,397	0,898	178,856	342,2385	590,0284
38	38	COMB7bis	Combination	-0,338	-0,765	-112,601	-173,7765	-518,3257
38	39	COMB7bis	Combination	0,338	0,765	152,359	291,5365	502,6168
39	39	COMB7	Combination	0,388	0,098	-149,464	-376,7985	-599,8863
39	40	COMB7	Combination	-0,388	-0,098	196,136	134,8785	581,3911
39	39	COMB7bis	Combination	0,331	0,084	-127,321	-320,9765	-511,0142
39	40	COMB7bis	Combination	-0,331	-0,084	167,079	114,8965	495,2591
40	40	COMB7	Combination	0,565	7,383E-03	-11,224	-31,1985	-582,5494
40	41	COMB7	Combination	-0,565	-7,383E-03	57,896	134,8785	590,0284
40	40	COMB7bis	Combination	0,482	6,289E-03	-9,561	-26,5765	-496,2458
40	41	COMB7bis	Combination	-0,482	-6,289E-03	49,319	114,8965	502,6168
41	41	COMB7	Combination	1,291	1,578	-345,743	-274,1519	-565,3263
41	42	COMB7	Combination	-1,291	-1,578	392,415	63,3196	555,4711
41	41	COMB7bis	Combination	1,100	1,344	-294,522	-233,5368	-481,5742
41	42	COMB7bis	Combination	-1,100	-1,344	334,279	53,9389	473,1790
42	42	COMB7	Combination	2,004	0,799	144,296	694,5615	-565,3110
42	43	COMB7	Combination	-2,004	-0,799	-97,624	-625,4415	564,1111
42	42	COMB7bis	Combination	1,707	0,681	122,919	591,6635	-481,5612
42	43	COMB7bis	Combination	-1,707	-0,681	-83,161	-532,7835	480,5390
43	43	COMB7	Combination	1,460	0,133	-1497,304	383,5215	-556,6074
43	44	COMB7	Combination	-1,460	-0,403	1543,976	-1454,8815	546,8800
43	43	COMB7bis	Combination	1,243	0,113	-1275,481	326,7035	-474,1471
43	44	COMB7bis	Combination	-1,243	-0,343	1315,239	-1239,3435	465,8608
44	44	COMB7	Combination	-0,059	0,154	-50,572	1540,9733	-100,7256
44	45	COMB7	Combination	0,059	-0,154	99,620	-1776,9354	90,4370
44	44	COMB7bis	Combination	-0,050	0,131	-43,079	1312,6810	-85,8033
44	45	COMB7bis	Combination	0,050	-0,131	84,862	-1513,6857	77,0389
45	45	COMB7	Combination	-0,734	0,313	681,498	1964,1736	-126,3714
45	46	COMB7	Combination	0,734	-0,313	-632,449	-1752,0167	116,5000
45	45	COMB7bis	Combination	-0,625	0,267	580,535	1673,1849	-107,6497
45	46	COMB7bis	Combination	0,625	-0,267	-538,753	-1492,4587	99,2407
46	46	COMB7	Combination	-1,553	-0,250	433,564	1798,5600	-126,3741
46	47	COMB7	Combination	1,553	0,250	-384,515	-1083,9391	116,4991
46	46	COMB7bis	Combination	-1,323	-0,213	369,332	1532,1067	-107,6520
46	47	COMB7bis	Combination	1,323	0,213	-327,550	-923,3555	99,2400
47	47	COMB7	Combination	-2,050	-0,667	412,446	841,8048	-100,4527
47	48	COMB7	Combination	2,050	0,667	-363,397	-830,1597	90,5791
47	47	COMB7bis	Combination	-1,747	-0,568	351,343	717,0930	-85,5708
47	48	COMB7bis	Combination	1,747	0,568	-309,561	-707,1731	77,1600
48	48	COMB7	Combination	-0,991	-0,417	655,769	-410,6721	20,5080
48	1	COMB7	Combination	0,991	0,417	-606,720	96,1270	-30,3809
48	48	COMB7bis	Combination	-0,845	-0,355	558,618	-349,8318	17,4698
48	1	COMB7bis	Combination	0,845	0,355	-516,836	81,8859	-25,8800
49	44	COMB7	Combination	0,969	0,207	995,605	227,0049	-505,9336
49	49	COMB7	Combination	-0,969	-0,207	-939,755	-241,7244	-444,4664
49	44	COMB7bis	Combination	0,825	0,176	848,108	193,3745	-430,9804
49	49	COMB7bis	Combination	-0,825	-0,176	-800,532	-205,9134	-378,6196
50	49	COMB7	Combination	2,495	0,181	961,045	257,7906	116,1464
50	50	COMB7	Combination	-2,495	-0,181	-905,195	-263,1676	-997,4264
50	49	COMB7bis	Combination	2,125	0,155	818,668	219,5994	98,9396

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

Frame	Joint	OutputCase	CaseType	F1	F2	F3	M1	M2
				KN	KN	KN	KN-m	KN-m
50	50	COMB7bis	Combination	-2,125	-0,155	-771,092	-224,1798	-849,6596
51	50	COMB7	Combination	0,117	0,262	494,485	263,1827	893,7464
51	51	COMB7	Combination	-0,117	-0,262	-438,635	-266,2220	-1412,1464
51	50	COMB7bis	Combination	0,099	0,223	421,228	224,1926	761,3396
51	51	COMB7bis	Combination	-0,099	-0,223	-373,652	-226,7817	-1202,9396
52	51	COMB7	Combination	3,218	0,308	632,725	251,9484	1308,4664
52	52	COMB7	Combination	-3,218	-0,308	-576,875	-248,6356	-2207,0264
52	51	COMB7bis	Combination	2,741	0,262	538,988	214,6227	1114,6196
52	52	COMB7bis	Combination	-2,741	-0,262	-491,412	-211,8007	-1880,0596
53	52	COMB7	Combination	0,216	0,215	235,285	227,8760	2397,1064
53	53	COMB7	Combination	-0,216	-0,215	-179,435	-224,4828	-2345,2664
53	52	COMB7bis	Combination	0,184	0,183	200,428	194,1166	2041,9796
53	53	COMB7bis	Combination	-0,184	-0,183	-152,852	-191,2261	-1997,8196
54	53	COMB7	Combination	2,200	0,093	200,725	182,7899	2466,2264
54	54	COMB7	Combination	-2,200	-0,093	-144,875	-169,7888	-2690,8664
54	53	COMB7bis	Combination	1,874	0,079	170,988	155,7099	2100,8596
54	54	COMB7bis	Combination	-1,874	-0,079	-123,412	-144,6349	-2292,2196
55	54	COMB7	Combination	3,354	0,063	-352,235	170,7319	2552,6264
55	55	COMB7	Combination	-3,354	-0,063	408,085	-159,7002	-2207,0264
55	54	COMB7bis	Combination	2,857	0,054	-300,052	145,4383	2174,4596
55	55	COMB7bis	Combination	-2,857	-0,054	347,628	-136,0409	-1880,0596
56	55	COMB7	Combination	3,056	-0,101	-438,635	148,2671	2207,0264
56	56	COMB7	Combination	-3,056	0,101	494,485	-152,5868	-1584,9464
56	55	COMB7bis	Combination	2,603	-0,086	-373,652	126,3016	1880,0596
56	56	COMB7bis	Combination	-2,603	0,086	421,228	-129,9814	-1350,1396
57	56	COMB7	Combination	3,068	-0,114	-300,395	158,5985	1533,1064
57	57	COMB7	Combination	-3,068	0,114	356,245	-148,4493	-1101,1064
57	56	COMB7bis	Combination	2,614	-0,097	-255,892	135,1025	1305,9796
57	57	COMB7bis	Combination	-2,614	0,097	303,468	-126,4568	-937,9796
58	57	COMB7	Combination	3,486	-0,160	-213,995	146,8343	1187,5064
58	58	COMB7	Combination	-3,486	0,160	269,845	-146,5714	-859,1864
58	57	COMB7bis	Combination	2,970	-0,137	-182,292	125,0811	1011,5796
58	58	COMB7bis	Combination	-2,970	0,137	229,868	-124,8571	-731,8996
59	58	COMB7	Combination	2,204	-0,148	-300,395	122,3724	911,0264
59	59	COMB7	Combination	-2,204	0,148	356,245	-109,4406	-479,0264
59	58	COMB7bis	Combination	1,877	-0,126	-255,892	104,2432	776,0596
59	59	COMB7bis	Combination	-1,877	0,126	303,468	-93,2272	-408,0596
60	59	COMB7	Combination	0,853	-0,046	-576,875	115,4138	461,7464
60	18	COMB7	Combination	-0,853	0,046	632,725	-105,2815	281,2936
60	59	COMB7bis	Combination	0,727	-0,040	-491,412	98,3155	393,3396
60	18	COMB7bis	Combination	-0,727	0,040	538,988	-89,6842	239,6204
94	60	COMB7	Combination	-359,479	-569,668	15,188	-2,8477	5,688E-05
94	87	COMB7	Combination	309,355	600,043	15,187	2,8477	-5,688E-05
94	60	COMB7bis	Combination	-317,290	-485,272	12,938	-2,4258	2,995E-04
94	87	COMB7bis	Combination	267,166	511,147	12,937	2,4258	-2,995E-04
95	87	COMB7	Combination	-307,054	-600,043	15,188	-2,8477	5,688E-05
95	88	COMB7	Combination	247,555	630,418	15,187	2,8477	-5,688E-05
95	87	COMB7bis	Combination	-265,359	-511,147	12,938	-2,4258	2,995E-04
95	88	COMB7bis	Combination	205,860	537,022	12,937	2,4258	-2,995E-04
96	88	COMB7	Combination	-245,064	-630,418	15,188	-2,8477	5,688E-05
96	89	COMB7	Combination	179,317	660,793	15,187	2,8477	-5,688E-05
96	88	COMB7bis	Combination	-203,991	-537,022	12,938	-2,4258	2,995E-04
96	89	COMB7bis	Combination	138,243	562,897	12,937	2,4258	-2,995E-04
97	89	COMB7	Combination	-178,191	-660,793	15,188	-2,8477	5,688E-05
97	64	COMB7	Combination	103,064	691,168	15,187	2,8477	-5,688E-05

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

Frame	Joint	OutputCase	CaseType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
97	89	COMB7bis	Combination	-137,610	-562,897	12,938	-2,4258	2,995E-04
97	64	COMB7bis	Combination	62,483	588,772	12,937	2,4258	-2,995E-04
98	64	COMB7	Combination	-236,640	-741,433	13,677	-2,3241	2,480E-04
98	90	COMB7	Combination	136,575	768,845	13,735	2,3141	0,0095
98	64	COMB7bis	Combination	-248,427	-631,591	11,651	-1,9797	0,0018
98	90	COMB7bis	Combination	148,361	654,942	11,700	1,9712	0,0085
99	90	COMB7	Combination	-136,575	-768,845	13,676	-2,3242	-0,0095
99	91	COMB7	Combination	21,915	796,257	13,736	2,3139	0,0136
99	90	COMB7bis	Combination	-148,361	-654,942	11,650	-1,9799	-0,0085
99	91	COMB7bis	Combination	33,701	678,293	11,701	1,9711	0,0133
100	91	COMB7	Combination	-21,915	-796,257	13,675	-2,3244	-0,0136
100	92	COMB7	Combination	-101,501	823,669	13,737	2,3137	0,0116
100	91	COMB7bis	Combination	-33,701	-678,293	11,649	-1,9801	-0,0133
100	92	COMB7bis	Combination	-89,715	701,644	11,702	1,9709	0,0119
101	92	COMB7	Combination	101,501	-823,669	13,674	-2,3246	-0,0116
101	93	COMB7	Combination	-232,701	851,081	13,738	2,3135	0,0030
101	92	COMB7bis	Combination	89,715	-701,644	11,648	-1,9802	-0,0119
101	93	COMB7bis	Combination	-220,915	724,994	11,702	1,9708	0,0039
102	93	COMB7	Combination	232,701	-851,081	13,673	-2,3248	-0,0030
102	94	COMB7	Combination	-372,636	878,493	13,739	2,3133	-0,0126
102	93	COMB7bis	Combination	220,915	-724,994	11,648	-1,9804	-0,0039
102	94	COMB7bis	Combination	-360,850	748,345	11,703	1,9706	-0,0111
103	94	COMB7	Combination	372,636	-878,493	13,672	-2,3250	0,0126
103	61	COMB7	Combination	-527,014	905,905	13,740	2,3132	-0,0358
103	94	COMB7bis	Combination	360,850	-748,345	11,647	-1,9805	0,0111
103	61	COMB7bis	Combination	-515,228	771,696	11,704	1,9705	-0,0337
104	63	COMB7	Combination	359,480	-569,675	15,187	-2,8477	5,663E-05
104	95	COMB7	Combination	-309,355	600,050	15,188	2,8477	-5,663E-05
104	63	COMB7bis	Combination	317,291	-485,279	12,937	-2,4258	2,866E-04
104	95	COMB7bis	Combination	-267,167	511,154	12,938	2,4258	-2,866E-04
105	95	COMB7	Combination	307,058	-600,050	15,187	-2,8477	5,663E-05
105	96	COMB7	Combination	-247,560	630,425	15,188	2,8477	-5,663E-05
105	95	COMB7bis	Combination	265,363	-511,154	12,937	-2,4258	2,866E-04
105	96	COMB7bis	Combination	-205,865	537,029	12,938	2,4258	-2,866E-04
106	96	COMB7	Combination	245,076	-630,425	15,187	-2,8477	5,663E-05
106	97	COMB7	Combination	-179,328	660,800	15,188	2,8477	-5,663E-05
106	96	COMB7bis	Combination	204,002	-537,029	12,937	-2,4258	2,866E-04
106	97	COMB7bis	Combination	-138,254	562,904	12,938	2,4258	-2,866E-04
107	97	COMB7	Combination	178,212	-660,800	15,187	-2,8477	5,663E-05
107	65	COMB7	Combination	-103,084	691,175	15,188	2,8477	-5,663E-05
107	97	COMB7bis	Combination	137,631	-562,904	12,937	-2,4258	2,866E-04
107	65	COMB7bis	Combination	-62,503	588,779	12,938	2,4258	-2,866E-04
108	65	COMB7	Combination	236,667	-741,440	13,733	-2,3145	2,469E-04
108	98	COMB7	Combination	-136,597	768,852	13,678	2,3241	0,0091
108	65	COMB7bis	Combination	248,453	-631,598	11,699	-1,9716	0,0017
108	98	COMB7bis	Combination	-148,383	654,949	11,652	1,9798	0,0082
109	98	COMB7	Combination	136,597	-768,852	13,734	-2,3143	-0,0091
109	99	COMB7	Combination	-21,932	796,264	13,677	2,3243	0,0131
109	98	COMB7bis	Combination	148,383	-654,949	11,700	-1,9715	-0,0082
109	99	COMB7bis	Combination	-33,718	678,300	11,651	1,9799	0,0128
110	99	COMB7	Combination	21,932	-796,264	13,735	-2,3141	-0,0131
110	100	COMB7	Combination	101,490	823,676	13,676	2,3244	0,0111
110	99	COMB7bis	Combination	33,718	-678,300	11,701	-1,9713	-0,0128
110	100	COMB7bis	Combination	89,704	701,650	11,650	1,9801	0,0114
111	100	COMB7	Combination	-101,490	-823,676	13,736	-2,3140	-0,0111

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

Frame	Joint	OutputCase	CaseType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
111	101	COMB7	Combination	232,695	851,088	13,675	2,3246	0,0029
111	100	COMB7bis	Combination	-89,704	-701,650	11,701	-1,9712	-0,0114
111	101	COMB7bis	Combination	220,909	725,001	11,649	1,9802	0,0037
112	101	COMB7	Combination	-232,695	-851,088	13,737	-2,3138	-0,0029
112	102	COMB7	Combination	372,634	878,500	13,674	2,3248	-0,0121
112	101	COMB7bis	Combination	-220,909	-725,001	11,702	-1,9710	-0,0037
112	102	COMB7bis	Combination	360,848	748,352	11,649	1,9804	-0,0107
113	102	COMB7	Combination	-372,634	-878,500	13,738	-2,3136	0,0121
113	62	COMB7	Combination	527,014	905,912	13,673	2,3250	-0,0344
113	102	COMB7bis	Combination	-360,848	-748,352	11,703	-1,9709	0,0107
113	62	COMB7bis	Combination	515,228	771,703	11,648	1,9805	-0,0324
114	61	COMB7	Combination	527,014	-463,528	27,834	0,0000	0,0358
114	103	COMB7	Combination	-527,014	530,548	39,186	0,0000	7,0090
114	61	COMB7bis	Combination	515,228	-395,113	23,708	0,0000	0,0337
114	103	COMB7bis	Combination	-515,228	452,204	33,384	0,0000	5,9707
115	103	COMB7	Combination	527,014	-258,074	33,573	0,0000	-7,0090
115	104	COMB7	Combination	-527,014	325,094	33,447	0,0000	6,9308
115	103	COMB7bis	Combination	515,228	-220,125	28,599	0,0000	-5,9707
115	104	COMB7bis	Combination	-515,228	277,216	28,492	0,0000	5,9040
116	104	COMB7	Combination	527,014	-174,281	33,509	0,0000	-6,9308
116	105	COMB7	Combination	-527,014	241,301	33,511	0,0000	6,9317
116	104	COMB7bis	Combination	515,228	-148,705	28,545	0,0000	-5,9040
116	105	COMB7bis	Combination	-515,228	205,796	28,546	0,0000	5,9047
117	105	COMB7	Combination	527,014	-90,959	33,510	0,0000	-6,9317
117	106	COMB7	Combination	-527,014	157,979	33,510	0,0000	6,9316
117	105	COMB7bis	Combination	515,228	-77,646	28,546	0,0000	-5,9047
117	106	COMB7bis	Combination	-515,228	134,737	28,546	0,0000	5,9047
118	106	COMB7	Combination	527,014	-7,949	33,510	0,0000	-6,9316
118	107	COMB7	Combination	-527,014	74,969	33,510	0,0000	6,9316
118	106	COMB7bis	Combination	515,228	-6,829	28,546	0,0000	-5,9047
118	107	COMB7bis	Combination	-515,228	63,920	28,546	0,0000	5,9047
119	107	COMB7	Combination	527,014	74,954	33,510	0,0000	-6,9316
119	108	COMB7	Combination	-527,014	-7,934	33,510	0,0000	6,9316
119	107	COMB7bis	Combination	515,228	63,905	28,546	0,0000	-5,9047
119	108	COMB7bis	Combination	-515,228	-6,814	28,546	0,0000	5,9047
120	108	COMB7	Combination	527,014	157,965	33,510	0,0000	-6,9316
120	109	COMB7	Combination	-527,014	-90,945	33,510	0,0000	6,9317
120	108	COMB7bis	Combination	515,228	134,723	28,546	0,0000	-5,9047
120	109	COMB7bis	Combination	-515,228	-77,632	28,546	0,0000	5,9047
121	109	COMB7	Combination	527,014	241,288	33,511	0,0000	-6,9317
121	110	COMB7	Combination	-527,014	-174,268	33,509	0,0000	6,9308
121	109	COMB7bis	Combination	515,228	205,783	28,546	0,0000	-5,9047
121	110	COMB7bis	Combination	-515,228	-148,692	28,545	0,0000	5,9040
122	110	COMB7	Combination	527,014	325,084	33,448	0,0000	-6,9308
122	111	COMB7	Combination	-527,014	-258,064	33,572	0,0000	7,0082
122	110	COMB7bis	Combination	515,228	277,206	28,493	0,0000	-5,9040
122	111	COMB7bis	Combination	-515,228	-220,115	28,599	0,0000	5,9699
123	111	COMB7	Combination	527,014	530,543	39,129	0,0000	-7,0082
123	62	COMB7	Combination	-527,014	-463,523	27,891	0,0000	0,0344
123	111	COMB7bis	Combination	515,228	452,200	33,330	0,0000	-5,9699
123	62	COMB7bis	Combination	-515,228	-395,108	23,762	0,0000	0,0324
124	60	COMB7	Combination	359,088	569,668	11,128	0,0214	-5,688E-05
124	112	COMB7	Combination	-359,088	-455,734	15,680	0,0098	2,8034
124	60	COMB7bis	Combination	316,945	485,272	9,479	0,0182	-2,995E-04
124	112	COMB7bis	Combination	-316,945	-388,217	13,358	0,0084	2,3881

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

Frame	Joint	OutputCase	CaseType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
125	112	COMB7	Combination	359,088	455,734	13,412	0,0139	-2,8034
125	113	COMB7	Combination	-359,088	-341,799	13,397	0,0104	2,7723
125	112	COMB7bis	Combination	316,945	388,217	11,424	0,0118	-2,3881
125	113	COMB7bis	Combination	-316,945	-291,162	11,412	0,0088	2,3616
126	113	COMB7	Combination	359,088	341,799	13,386	0,0074	-2,7723
126	114	COMB7	Combination	-359,088	-227,865	13,422	0,0099	2,7727
126	113	COMB7bis	Combination	316,945	291,162	11,402	0,0063	-2,3616
126	114	COMB7bis	Combination	-316,945	-194,107	11,434	0,0084	2,3619
127	114	COMB7	Combination	359,088	227,865	13,386	0,0019	-2,7727
127	115	COMB7	Combination	-359,088	-113,931	13,422	0,0085	2,7727
127	114	COMB7bis	Combination	316,945	194,107	11,403	0,0017	-2,3619
127	115	COMB7bis	Combination	-316,945	-97,052	11,434	0,0072	2,3619
128	115	COMB7	Combination	359,088	113,931	13,386	-0,0025	-2,7727
128	116	COMB7	Combination	-359,088	3,470E-03	13,422	0,0060	2,7727
128	115	COMB7bis	Combination	316,945	97,052	11,403	-0,0021	-2,3619
128	116	COMB7bis	Combination	-316,945	3,471E-03	11,434	0,0051	2,3619
129	116	COMB7	Combination	359,088	-3,470E-03	13,386	-0,0060	-2,7727
129	117	COMB7	Combination	-359,088	113,938	13,422	0,0025	2,7727
129	116	COMB7bis	Combination	316,945	-3,471E-03	11,403	-0,0051	-2,3619
129	117	COMB7bis	Combination	-316,945	97,059	11,434	0,0021	2,3619
130	117	COMB7	Combination	359,088	-113,938	13,386	-0,0085	-2,7727
130	118	COMB7	Combination	-359,088	227,872	13,422	-0,0019	2,7727
130	117	COMB7bis	Combination	316,945	-97,059	11,403	-0,0072	-2,3619
130	118	COMB7bis	Combination	-316,945	194,114	11,434	-0,0017	2,3619
131	118	COMB7	Combination	359,088	-227,872	13,387	-0,0099	-2,7727
131	119	COMB7	Combination	-359,088	341,806	13,421	-0,0074	2,7723
131	118	COMB7bis	Combination	316,945	-194,114	11,403	-0,0084	-2,3619
131	119	COMB7bis	Combination	-316,945	291,169	11,434	-0,0063	2,3616
132	119	COMB7	Combination	359,088	-341,806	13,361	-0,0104	-2,7723
132	120	COMB7	Combination	-359,088	455,741	13,447	-0,0139	2,8034
132	119	COMB7bis	Combination	316,945	-291,169	11,381	-0,0088	-2,3616
132	120	COMB7bis	Combination	-316,945	388,224	11,455	-0,0118	2,3881
133	120	COMB7	Combination	359,088	-455,741	15,645	-0,0098	-2,8034
133	63	COMB7	Combination	-359,088	569,675	11,163	-0,0214	-5,663E-05
133	120	COMB7bis	Combination	316,945	-388,224	13,327	-0,0084	-2,3881
133	63	COMB7bis	Combination	-316,945	485,279	9,509	-0,0182	-2,866E-04
134	64	COMB7	Combination	133,192	50,265	4,173	-0,0256	-1,911E-04
134	121	COMB7	Combination	-133,192	-40,212	5,880	0,0284	1,0513
134	64	COMB7bis	Combination	185,407	42,818	3,552	-0,0219	-0,0015
134	121	COMB7bis	Combination	-185,407	-34,255	5,011	0,0242	0,8955
135	121	COMB7	Combination	133,192	40,212	5,029	0,0021	-1,0513
135	122	COMB7	Combination	-133,192	-30,159	5,024	7,238E-05	1,0396
135	121	COMB7bis	Combination	185,407	34,255	4,281	0,0018	-0,8955
135	122	COMB7bis	Combination	-185,407	-25,691	4,283	6,166E-05	0,8856
136	122	COMB7	Combination	133,192	30,159	5,020	0,0024	-1,0396
136	123	COMB7	Combination	-133,192	-20,106	5,033	-8,791E-04	1,0397
136	122	COMB7bis	Combination	185,407	25,691	4,273	0,0021	-0,8856
136	123	COMB7bis	Combination	-185,407	-17,127	4,291	-7,488E-04	0,8857
137	123	COMB7	Combination	133,192	20,106	5,020	0,0025	-1,0397
137	124	COMB7	Combination	-133,192	-10,053	5,033	-0,0016	1,0397
137	123	COMB7bis	Combination	185,407	17,127	4,273	0,0022	-0,8857
137	124	COMB7bis	Combination	-185,407	-8,564	4,291	-0,0014	0,8857
138	124	COMB7	Combination	133,192	10,053	5,020	0,0024	-1,0397
138	125	COMB7	Combination	-133,192	1,839E-07	5,033	-0,0021	1,0397
138	124	COMB7bis	Combination	185,407	8,564	4,273	0,0021	-0,8857

<p>GENERAL CONTRACTOR</p>  <p>Censorzio Collegamenti Integrati Veloci</p>	<p>ALTA SORVEGLIANZA</p>  <p>GRUPPO FERROVIE DELLO STATO ITALIANE</p>
	<p>a301-00-d-cv-ro-gn00-0x-013-e00</p> <p>Foglio 281 di 289</p>

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

Frame	Joint	OutputCase	CaseType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
138	125	COMB7bis	Combination	-185,407	2,560E-07	4,291	-0,0018	0,8857
139	125	COMB7	Combination	133,192	-1,839E-07	5,020	0,0021	-1,0397
139	126	COMB7	Combination	-133,192	10,053	5,033	-0,0024	1,0397
139	125	COMB7bis	Combination	185,407	-2,560E-07	4,273	0,0018	-0,8857
139	126	COMB7bis	Combination	-185,407	8,564	4,291	-0,0021	0,8857
140	126	COMB7	Combination	133,192	-10,053	5,020	0,0016	-1,0397
140	127	COMB7	Combination	-133,192	20,106	5,033	-0,0025	1,0397
140	126	COMB7bis	Combination	185,407	-8,564	4,273	0,0014	-0,8857
140	127	COMB7bis	Combination	-185,407	17,127	4,291	-0,0022	0,8857
141	127	COMB7	Combination	133,192	-20,106	5,020	8,791E-04	-1,0397
141	128	COMB7	Combination	-133,192	30,159	5,033	-0,0024	1,0396
141	127	COMB7bis	Combination	185,407	-17,127	4,273	7,488E-04	-0,8857
141	128	COMB7bis	Combination	-185,407	25,691	4,291	-0,0021	0,8856
142	128	COMB7	Combination	133,192	-30,159	5,011	-7,238E-05	-1,0396
142	129	COMB7	Combination	-133,192	40,212	5,042	-0,0021	1,0513
142	128	COMB7bis	Combination	185,407	-25,691	4,265	-6,166E-05	-0,8856
142	129	COMB7bis	Combination	-185,407	34,255	4,299	-0,0018	0,8956
143	129	COMB7	Combination	133,192	-40,212	5,867	-0,0284	-1,0513
143	65	COMB7	Combination	-133,192	50,265	4,186	0,0256	-1,902E-04
143	129	COMB7bis	Combination	185,407	-34,255	4,996	-0,0242	-0,8956
143	65	COMB7bis	Combination	-185,407	42,818	3,568	0,0219	-0,0015

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

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
1	1	COMB7	-2,1294	1
1	2	COMB7	1,5820	1
1	1	COMB7bis	-1,8139	1
1	2	COMB7bis	1,3477	1
2	2	COMB7	-1,5435	2
2	3	COMB7	0,8944	2
2	2	COMB7bis	-1,3149	2
2	3	COMB7bis	0,7619	2
3	3	COMB7	-0,9250	3
3	4	COMB7	0,4978	3
3	3	COMB7bis	-0,7879	3
3	4	COMB7bis	0,4241	3
4	4	COMB7	-0,3923	4
4	5	COMB7	0,0970	4
4	4	COMB7bis	-0,3342	4
4	5	COMB7bis	0,0827	4
5	5	COMB7	-0,0828	5
5	6	COMB7	-0,2573	5
5	5	COMB7bis	-0,0705	5
5	6	COMB7bis	-0,2192	5
6	6	COMB7	0,2985	6
6	7	COMB7	-0,4894	6
6	6	COMB7bis	0,2543	6
6	7	COMB7bis	-0,4169	6
7	7	COMB7	0,4936	7
7	8	COMB7	-0,6117	7
7	7	COMB7bis	0,4205	7
7	8	COMB7bis	-0,5211	7

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
8	8	COMB7	0,6196	8
8	9	COMB7	-0,7341	8
8	8	COMB7bis	0,5278	8
8	9	COMB7bis	-0,6253	8
9	9	COMB7	0,7219	9
9	10	COMB7	-0,8227	9
9	9	COMB7bis	0,6150	9
9	10	COMB7bis	-0,7008	9
10	10	COMB7	0,8606	10
10	11	COMB7	-0,9872	10
10	10	COMB7bis	0,7331	10
10	11	COMB7bis	-0,8409	10
11	11	COMB7	0,9946	11
11	12	COMB7	-1,1475	11
11	11	COMB7bis	0,8472	11
11	12	COMB7bis	-0,9775	11
12	12	COMB7	1,1327	12
12	13	COMB7	-1,2994	12
12	12	COMB7bis	0,9649	12
12	13	COMB7bis	-1,1069	12
13	13	COMB7	1,1306	13
13	14	COMB7	-0,1983	13
13	13	COMB7bis	0,9631	13
13	14	COMB7bis	-0,1689	13
14	14	COMB7	-0,0200	14
14	15	COMB7	0,9323	14
14	14	COMB7bis	-0,0171	14
14	15	COMB7bis	0,7942	14
15	15	COMB7	-1,2034	15
15	16	COMB7	1,5272	15
15	15	COMB7bis	-1,0251	15
15	16	COMB7bis	1,3009	15
16	16	COMB7	-1,3816	16
16	17	COMB7	2,0123	16
16	16	COMB7bis	-1,1770	16
16	17	COMB7bis	1,7142	16
17	17	COMB7	-2,3878	17
17	18	COMB7	2,0292	17
17	17	COMB7bis	-2,0341	17
17	18	COMB7bis	1,7286	17
18	18	COMB7	-2,0018	18
18	19	COMB7	1,8858	18
18	18	COMB7bis	-1,7052	18
18	19	COMB7bis	1,6064	18
19	19	COMB7	-1,7508	19
19	20	COMB7	1,1348	19
19	19	COMB7bis	-1,4914	19
19	20	COMB7bis	0,9667	19
20	20	COMB7	-1,5377	20
20	21	COMB7	0,8269	20
20	20	COMB7bis	-1,3099	20
20	21	COMB7bis	0,7044	20
21	21	COMB7	-0,7763	21
21	22	COMB7	0,8648	21
21	21	COMB7bis	-0,6613	21

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
21	22	COMB7bis	0,7367	21
22	22	COMB7	-0,8406	22
22	23	COMB7	0,0422	22
22	22	COMB7bis	-0,7161	22
22	23	COMB7bis	0,0359	22
23	23	COMB7	-0,0485	23
23	24	COMB7	-0,5695	23
23	23	COMB7bis	-0,0413	23
23	24	COMB7bis	-0,4852	23
24	24	COMB7	0,3670	24
24	25	COMB7	-1,5314	24
24	24	COMB7bis	0,3127	24
24	25	COMB7bis	-1,3045	24
25	25	COMB7	1,6443	25
25	26	COMB7	-1,3922	25
25	25	COMB7bis	1,4007	25
25	26	COMB7bis	-1,1859	25
26	26	COMB7	1,4091	26
26	27	COMB7	-1,2023	26
26	26	COMB7bis	1,2003	26
26	27	COMB7bis	-1,0242	26
27	27	COMB7	1,1844	27
27	28	COMB7	-0,9872	27
27	27	COMB7bis	1,0089	27
27	28	COMB7bis	-0,8409	27
28	28	COMB7	1,0215	28
28	29	COMB7	-0,7763	28
28	28	COMB7bis	0,8701	28
28	29	COMB7bis	-0,6613	28
29	29	COMB7	0,7631	29
29	30	COMB7	-0,5569	29
29	29	COMB7bis	0,6500	29
29	30	COMB7bis	-0,4744	29
30	30	COMB7	0,5405	30
30	31	COMB7	-0,2616	30
30	30	COMB7bis	0,4604	30
30	31	COMB7bis	-0,2228	30
31	31	COMB7	0,2805	31
31	32	COMB7	-0,0084	31
31	31	COMB7bis	0,2390	31
31	32	COMB7bis	-0,0072	31
32	32	COMB7	0,1202	32
32	33	COMB7	0,2953	32
32	32	COMB7bis	0,1024	32
32	33	COMB7bis	0,2516	32
33	33	COMB7	-0,2927	33
33	34	COMB7	0,6117	33
33	33	COMB7bis	-0,2493	33
33	34	COMB7bis	0,5211	33
34	34	COMB7	-0,6956	34
34	35	COMB7	0,8902	34
34	34	COMB7bis	-0,5925	34
34	35	COMB7bis	0,7583	34
35	35	COMB7	-0,9223	35
35	36	COMB7	1,1433	35

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
35	35	COMB7bis	-0,7857	35
35	36	COMB7bis	0,9739	35
36	36	COMB7	-1,1596	36
36	37	COMB7	1,2698	36
36	36	COMB7bis	-0,9878	36
36	37	COMB7bis	1,0817	36
37	37	COMB7	-1,2751	37
37	38	COMB7	0,9408	37
37	37	COMB7bis	-1,0862	37
37	38	COMB7bis	0,8014	37
38	38	COMB7	-1,0536	38
38	39	COMB7	1,1306	38
38	38	COMB7bis	-0,8975	38
38	39	COMB7bis	0,9631	38
39	39	COMB7	-1,2234	39
39	40	COMB7	0,8395	39
39	39	COMB7bis	-1,0422	39
39	40	COMB7bis	0,7152	39
40	40	COMB7	-0,8438	40
40	41	COMB7	0,4641	40
40	40	COMB7bis	-0,7188	40
40	41	COMB7bis	0,3953	40
41	41	COMB7	-0,2626	41
41	42	COMB7	-0,9661	41
41	41	COMB7bis	-0,2237	41
41	42	COMB7bis	-0,8230	41
42	42	COMB7	0,6022	42
42	43	COMB7	-2,2106	42
42	42	COMB7bis	0,5130	42
42	43	COMB7bis	-1,8831	42
43	43	COMB7	2,0440	43
43	44	COMB7	-3,2358	43
43	43	COMB7bis	1,7412	43
43	44	COMB7bis	-2,7564	43
44	44	COMB7	2,4732	44
44	45	COMB7	-2,3330	44
44	44	COMB7bis	2,1068	44
44	45	COMB7bis	-1,9873	44
45	45	COMB7	2,3425	45
45	46	COMB7	-1,8689	45
45	45	COMB7bis	1,9954	45
45	46	COMB7bis	-1,5920	45
46	46	COMB7	1,8394	46
46	47	COMB7	-0,7720	46
46	46	COMB7bis	1,5669	46
46	47	COMB7bis	-0,6577	46
47	47	COMB7	0,8026	47
47	48	COMB7	0,9492	47
47	47	COMB7bis	0,6837	47
47	48	COMB7bis	0,8086	47
48	48	COMB7	-1,0178	48
48	1	COMB7	1,9575	48
48	48	COMB7bis	-0,8670	48
48	1	COMB7bis	1,6675	48
49	44	COMB7	1,0742	49

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
49	49	COMB7	-0,9028	49
49	44	COMB7bis	0,9151	49
49	49	COMB7bis	-0,7691	49
50	49	COMB7	0,8933	50
50	50	COMB7	-0,6244	50
50	49	COMB7bis	0,7610	50
50	50	COMB7bis	-0,5319	50
51	50	COMB7	0,6518	51
51	51	COMB7	-0,3080	51
51	50	COMB7bis	0,5552	51
51	51	COMB7bis	-0,2623	51
52	51	COMB7	0,3048	52
52	52	COMB7	-0,0464	52
52	51	COMB7bis	0,2596	52
52	52	COMB7bis	-0,0395	52
53	52	COMB7	0,0517	53
53	53	COMB7	0,2025	53
53	52	COMB7bis	0,0440	53
53	53	COMB7bis	0,1725	53
54	53	COMB7	-0,2631	54
54	54	COMB7	0,3839	54
54	53	COMB7bis	-0,2242	54
54	54	COMB7bis	0,3270	54
55	54	COMB7	-0,3628	55
55	55	COMB7	0,5105	55
55	54	COMB7bis	-0,3091	55
55	55	COMB7bis	0,4348	55
56	55	COMB7	-0,4509	56
56	56	COMB7	0,3544	56
56	55	COMB7bis	-0,3841	56
56	56	COMB7bis	0,3019	56
57	56	COMB7	-0,3596	57
57	57	COMB7	0,2447	57
57	56	COMB7bis	-0,3064	57
57	57	COMB7bis	0,2084	57
58	57	COMB7	-0,2236	58
58	58	COMB7	0,0506	58
58	57	COMB7bis	-0,1905	58
58	58	COMB7bis	0,0431	58
59	58	COMB7	-0,0659	59
59	59	COMB7	-0,0970	59
59	58	COMB7bis	-0,0562	59
59	59	COMB7bis	-0,0827	59
60	59	COMB7	0,0928	60
60	18	COMB7	-0,1477	60
60	59	COMB7bis	0,0791	60
60	18	COMB7bis	-0,1258	60
94	60	COMB7	-1061,5227	61
94	87	COMB7	684,1322	61
94	60	COMB7bis	-906,9466	61
94	87	COMB7bis	577,0183	61
95	87	COMB7	-684,1322	62
95	88	COMB7	371,5790	62
95	87	COMB7bis	-577,0183	62
95	88	COMB7bis	311,3719	62

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
96	88	COMB7	-371,5790	63
96	89	COMB7	132,2788	63
96	88	COMB7bis	-311,3719	63
96	89	COMB7bis	118,2793	63
97	89	COMB7	-132,2788	64
97	64	COMB7	-27,0999	64
97	89	COMB7bis	-118,2793	64
97	64	COMB7bis	4,5541	64
98	64	COMB7	2,9798	65
98	90	COMB7	-193,7518	65
98	64	COMB7bis	-25,1009	65
98	90	COMB7bis	-177,6371	65
99	90	COMB7	193,7518	66
99	91	COMB7	-275,1939	66
99	90	COMB7bis	177,6371	66
99	91	COMB7bis	-271,0451	66
100	91	COMB7	275,1939	67
100	92	COMB7	-235,4525	67
100	91	COMB7bis	271,0451	67
100	92	COMB7bis	-243,2696	67
101	92	COMB7	235,4525	68
101	93	COMB7	-66,4606	68
101	92	COMB7bis	243,2696	68
101	93	COMB7bis	-86,2437	68
102	93	COMB7	66,4606	69
102	94	COMB7	239,8451	69
102	93	COMB7bis	86,2437	69
102	94	COMB7bis	208,0961	69
103	94	COMB7	-239,8451	70
103	61	COMB7	695,2307	70
103	94	COMB7bis	-208,0961	70
103	61	COMB7bis	651,5158	70
104	63	COMB7	1061,5658	71
104	95	COMB7	-684,1744	71
104	63	COMB7bis	906,9897	71
104	95	COMB7bis	-577,0605	71
105	95	COMB7	684,1744	72
105	96	COMB7	-371,6160	72
105	95	COMB7bis	577,0605	72
105	96	COMB7bis	-311,4090	72
106	96	COMB7	371,6160	73
106	97	COMB7	-132,3031	73
106	96	COMB7bis	311,4090	73
106	97	COMB7bis	-118,3037	73
107	97	COMB7	132,3031	74
107	65	COMB7	27,0986	74
107	97	COMB7bis	118,3037	74
107	65	COMB7bis	-4,5554	74
108	65	COMB7	-2,9785	75
108	98	COMB7	193,7749	75
108	65	COMB7bis	25,1022	75
108	98	COMB7bis	177,6601	75
109	98	COMB7	-193,7749	76
109	99	COMB7	275,2362	76
109	98	COMB7bis	-177,6601	76

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
109	99	COMB7bis	271,0874	76
110	99	COMB7	-275,2362	77
110	100	COMB7	235,5088	77
110	99	COMB7bis	-271,0874	77
110	100	COMB7bis	243,3260	77
111	100	COMB7	-235,5088	78
111	101	COMB7	66,5258	78
111	100	COMB7bis	-243,3260	78
111	101	COMB7bis	86,3089	78
112	101	COMB7	-66,5258	79
112	102	COMB7	-239,7761	79
112	101	COMB7bis	-86,3089	79
112	102	COMB7bis	-208,0271	79
113	102	COMB7	239,7761	80
113	62	COMB7	-695,1613	80
113	102	COMB7bis	208,0271	80
113	62	COMB7bis	-651,4463	80
114	61	COMB7	-695,2307	81
114	103	COMB7	78,3501	81
114	61	COMB7bis	-651,5158	81
114	103	COMB7bis	125,7072	81
115	103	COMB7	-78,3501	82
115	104	COMB7	-283,5391	82
115	103	COMB7bis	-125,7072	82
115	104	COMB7bis	-182,9213	82
116	104	COMB7	283,5391	83
116	105	COMB7	-541,4313	83
116	104	COMB7bis	182,9213	83
116	105	COMB7bis	-402,9092	83
117	105	COMB7	541,4313	84
117	106	COMB7	-695,9118	84
117	105	COMB7bis	402,9092	84
117	106	COMB7bis	-534,7053	84
118	106	COMB7	695,9118	85
118	107	COMB7	-747,3667	85
118	106	COMB7bis	534,7053	85
118	107	COMB7bis	-578,6087	85
119	107	COMB7	747,3667	86
119	108	COMB7	-695,9302	86
119	107	COMB7bis	578,6087	86
119	108	COMB7bis	-534,7237	86
120	108	COMB7	695,9302	87
120	109	COMB7	-541,4671	87
120	108	COMB7bis	534,7237	87
120	109	COMB7bis	-402,9450	87
121	109	COMB7	541,4671	88
121	110	COMB7	-283,5903	88
121	109	COMB7bis	402,9450	88
121	110	COMB7bis	-182,9726	88
122	110	COMB7	283,5903	89
122	111	COMB7	78,2863	89
122	110	COMB7bis	182,9726	89
122	111	COMB7bis	125,6433	89
123	111	COMB7	-78,2863	90
123	62	COMB7	695,1613	90

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
123	111	COMB7bis	-125,6433	90
123	62	COMB7bis	651,4463	90
124	60	COMB7	1061,5227	91
124	112	COMB7	-425,2021	91
124	60	COMB7bis	906,9466	91
124	112	COMB7bis	-364,8963	91
125	112	COMB7	425,2021	92
125	113	COMB7	69,7130	92
125	112	COMB7bis	364,8963	92
125	113	COMB7bis	56,6974	92
126	113	COMB7	-69,7130	93
126	114	COMB7	423,2225	93
126	113	COMB7bis	-56,6974	93
126	114	COMB7bis	357,8345	93
127	114	COMB7	-423,2225	94
127	115	COMB7	635,3265	94
127	114	COMB7bis	-357,8345	94
127	115	COMB7bis	538,5151	94
128	115	COMB7	-635,3265	95
128	116	COMB7	706,0250	95
128	115	COMB7bis	-538,5151	95
128	116	COMB7bis	598,7390	95
129	116	COMB7	-706,0250	96
129	117	COMB7	635,3179	96
129	116	COMB7bis	-598,7390	96
129	117	COMB7bis	538,5064	96
130	117	COMB7	-635,3179	97
130	118	COMB7	423,2053	97
130	117	COMB7bis	-538,5064	97
130	118	COMB7bis	357,8173	97
131	118	COMB7	-423,2053	98
131	119	COMB7	69,6871	98
131	118	COMB7bis	-357,8173	98
131	119	COMB7bis	56,6715	98
132	119	COMB7	-69,6871	99
132	120	COMB7	-425,2366	99
132	119	COMB7bis	-56,6715	99
132	120	COMB7bis	-364,9308	99
133	120	COMB7	425,2366	100
133	63	COMB7	-1061,5658	100
133	120	COMB7bis	364,9308	100
133	63	COMB7bis	-906,9897	100
134	64	COMB7	24,1201	101
134	121	COMB7	32,0262	101
134	64	COMB7bis	20,5467	101
134	121	COMB7bis	27,2816	101
135	121	COMB7	-32,0262	102
135	122	COMB7	75,6956	102
135	121	COMB7bis	-27,2816	102
135	122	COMB7bis	64,4814	102
136	122	COMB7	-75,6956	103
136	123	COMB7	106,8880	103
136	122	COMB7bis	-64,4814	103
136	123	COMB7bis	91,0527	103
137	123	COMB7	-106,8880	104

<p>GENERAL CONTRACTOR</p>  <p>CODIV Consorzio Collegamenti Integrati Veloci</p>	<p>ALTA SORVEGLIANZA</p>  <p>ITALFERR GRUPPO FERROVIE DELLO STATO ITALIANE</p>
	<p>a301-00-d-cv-ro-gn00-0x-013-e00</p> <p style="text-align: right;">Foglio 289 di 289</p>

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

Frame	Joint	OutputCase	M3 KN-m	FrameElem
137	124	COMB7	125,6034	104
137	123	COMB7bis	-91,0527	104
137	124	COMB7bis	106,9955	104
138	124	COMB7	-125,6034	105
138	125	COMB7	131,8419	105
138	124	COMB7bis	-106,9955	105
138	125	COMB7bis	112,3098	105
139	125	COMB7	-131,8419	106
139	126	COMB7	125,6034	106
139	125	COMB7bis	-112,3098	106
139	126	COMB7bis	106,9955	106
140	126	COMB7	-125,6034	107
140	127	COMB7	106,8880	107
140	126	COMB7bis	-106,9955	107
140	127	COMB7bis	91,0527	107
141	127	COMB7	-106,8880	108
141	128	COMB7	75,6956	108
141	127	COMB7bis	-91,0527	108
141	128	COMB7bis	64,4814	108
142	128	COMB7	-75,6956	109
142	129	COMB7	32,0262	109
142	128	COMB7bis	-64,4814	109
142	129	COMB7bis	27,2816	109
143	129	COMB7	-32,0262	110
143	65	COMB7	-24,1201	110
143	129	COMB7bis	-27,2816	110
143	65	COMB7bis	-20,5467	110